

1850 GRAND AVENUE

BALDWIN, NEW YORK 11510

ZONING CALCULATION:

LOT AREA = 37.5' X 120'-0" = 4500 SF.

BUILDING AREA = 37.5' X 118.75' = 4453.13 SF.

FIRST FLOOR PUBLIC ASSEMBLY AREA

- (1) WOMEN'S PRAYER ROOM = 264 SF.
- (2) MEN'S PRAYER ROOM = 824 + 841 = 1665 SF.

TOTAL FIRST FLOOR ASSEMBLY AREA = 1929 SF.

CELLAR HALL 1979.23 SF./15 = 132 (NON- SIMULTANEOUS USE)

OCC. LOAD CALC. PER NYS TABLE 1003.2.2.2 STANDING SPACE 5 SF.

NET/PER PERSON

- (1) WOMEN'S 264 SF./5 = 53
- (2) MEN'S 1665 SF./5 = 333

PROPOSED PRAYER SPACE 8 SF PER PERSON (MUSLIM PRAYER AREA)

TOTAL PROPOSED 1929/8 = 241 PERSONS

PER ART. XXI - SECTION 319(5) 1 PARKING SPACE REQUIRED PER 3

OCCUPANTS

ASSEMBLY PARKING 241 / 3 = 81 PARKING SPACES REQUIRED

TOTAL PARKING TO BE WAIVED = 81 SPACES

ALTERNATE PARKING CALC. -2 PER 139-40(B)

CELLAR AREA = 386 / .33 SF

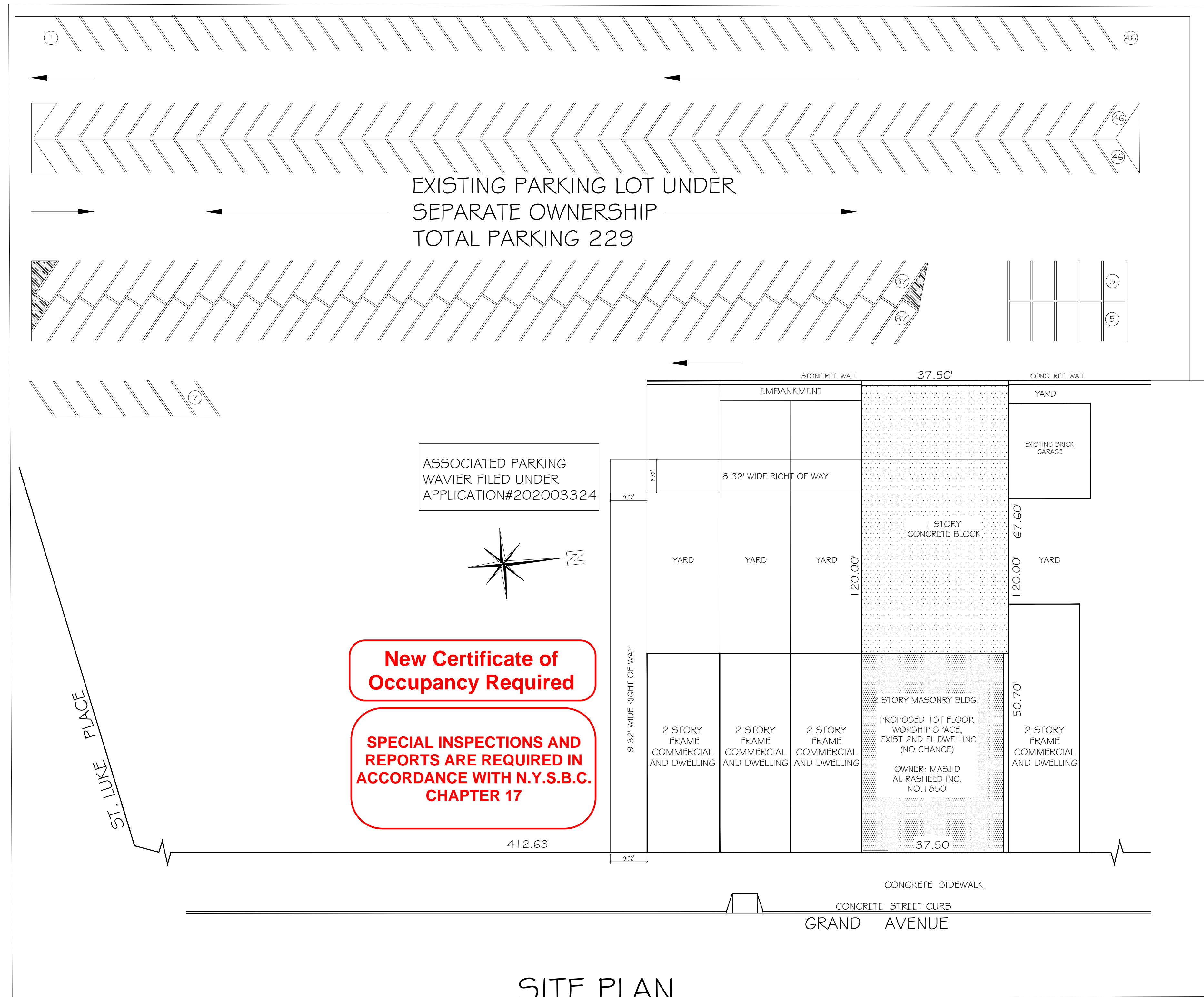
FIRST AREA = 4453 SF

TOTAL AREA = 8314.33

TOTAL SPACES REQUIRED = 8314.33/200 = 41.57 = 42

REQUESTING WAIVER OF 42 PARKING SPACES.

GENERAL INFORMATION	2 STORY MASONRY # FRAME BUILDING WITH CELLAR										
	OCCUPANCY GROUP A-3 CELLAR # FIRST FLOOR SECOND FLOOR EXISTING 2 FAMILY NO CHANGE										
	CONSTRUCTION CLASS IIIA										
	STRUCTURAL OCC. CAT. II										
OCCUPANCY	PROPOSED TOTAL MOSQUE OCCUPANCY = 241										
	1ST + CELLAR ARE NON-SIMULTANEOUS OCCUPANCY.										
EGRESS	EGRESS PROVIDED FROM 1ST FLOOR = 900 > 241 (OK)										
	EGRESS PROVIDED FROM CELLAR = 900 > 131 (OK)										
PARKING	1st FLOOR MAX. PRIMARY TRAVEL DISTANCE = 46' < 150' MAX.										
	CELLAR FLOOR MAX. PRIMARY TRAVEL DISTANCE = 56' < 150' MAX.										
	1st FLOOR MAX. SECONDARY TRAVEL DISTANCE = 51' < 150' MAX.										
	CELLAR FLOOR MAX. SECONDARY TRAVEL DISTANCE = 73' < 150' MAX.										
PLUMBING	PARKING REQUIRED										
	PARKING WAIVED PER										
PLUMBING	PLUMBING FIXTURES FOR 241 OCCUPANTS										
		WATER CLOSETS				LAVATORIES				DRINKING FOUNTAIN	OTHERS
		REQUIRED	PROPOSED	REQUIRED	PROPOSED	REQUIRED	PROPOSED	REQUIRED	PROPOSED	REQUIRED	PROPOSED
CELLAR FLOOR	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE			
FIRST FLOOR	1	2	3	3	1	1	1	1	2	1	
TOTAL	1	2	4	4	1	1	5	4	1	2	



ASSOCIATED PARKING
WAVIER FILED UNDER
APPLICATION # 202003324

**New Certificate of
Occupancy Required**

**SPECIAL INSPECTIONS AND
REPORTS ARE REQUIRED IN
ACCORDANCE WITH N.Y.S.B.C.
CHAPTER 17**

SITE PLAN

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

**SEPARATE PERMIT IS REQUIRED
FOR ELEVATOR**

HANDICAPPED ACCESSIBILITY
ALL CONSTRUCTION SHALL COMPLY WITH THE
REQUIREMENTS SET FORTH IN THE BUILDING CODE OF
NEW YORK STATE AND ANSI A117.1

**ALL CONSTRUCTION AND DEMOLITION
SHALL COMPLY WITH CHAPTER 33 OF
THE N.Y.S.B.C. (SAFEGUARDS DURING
CONSTRUCTION)**

Plumbing Permit Required

**Subject to Final Approval From
Nassau County Fire Marshal.
Separate Permit is Required**

**SEPARATE PERMIT IS REQUIRED
FOR SIGNS - SEE SIGN DIVISION**

**FIRE PROTECTION, FIRE
EXTINGUISHING AND FIRE & SMOKE
DETECTING SYSTEMS IN BUILDINGS
SHALL COMPLY WITH NASSAU
COUNTY FIRE MARSHAL'S FIRE
PREVENTION ORDINANCE, AS
APPLICABLE. PLEASE NOTE- THESE
REQUIREMENTS MAY DIFFER FROM
N.Y.S. CODE, SEPARATE PERMIT
IS REQUIRED.**

APPROVED
04/08/2022
CHIEF BUILDING INSPECTOR
TOWN OF HEMPSTEAD, NY
PER JOSEPH NEHREBECKI

Nasir J. Khanzada L.L.C.
Consulting Engineer

181-24 HILLSIDE AVENUE
QUEENS, N.Y 11432

PHONE NO.: (212) 380-1543
FAX NO.: (718) 989-9200

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IN THIS DRAWING IN ANYWAY. (NYS EDUCATION LAW SEC. 7209-2)

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SHALL NOT BE CONSTRUED AS A CONTRACT BETWEEN OWNER AND
CONTRACTOR. WRITTEN CONTRACT SUPERCEDES CONSTRUCTION
DRAWINGS.
2- CONTRACTOR TO VERIFY ALL LOCATIONS, DIMENSIONS AND
CONDITIONS AT THE JOB. NOTIFY NASIR J. KHANZADA L.L.C. OF
ERRORS, OMISSIONS, DISCREPANCIES OR CONFLICTS BEFORE
PROCEEDING WITH THE WORK.

NO.	DATE	DESCRIPTION	BY	CHK'D BY

MAP NO.: ---- NORTH ARROW
SECTION: 36
BLOCK: 410
LOT: 82

PROJECT LOCATION:
1850 GRAND AVENUE
BALDWIN, NY 11510

WORK DESCRIPTION:
INTERIOR RENOVATION TO
EXISTING COMMERCIAL
SPACE AND CHANGE OF USE
TO MOSQUE

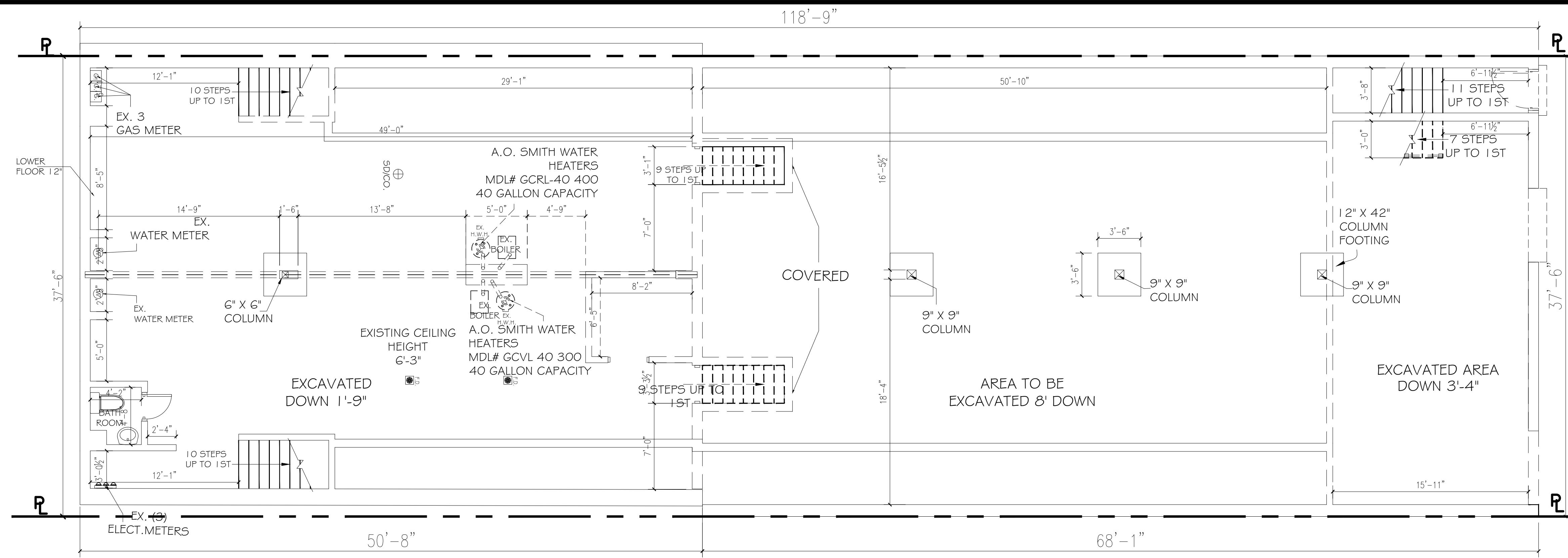
SHEET TITLE:
SITE PLAN AND NOTES

DEPT. OF BLDGS. JOB NUMBER / SCAN CODE:
APPLICATION# 20-17156
TRACKING# 202003321

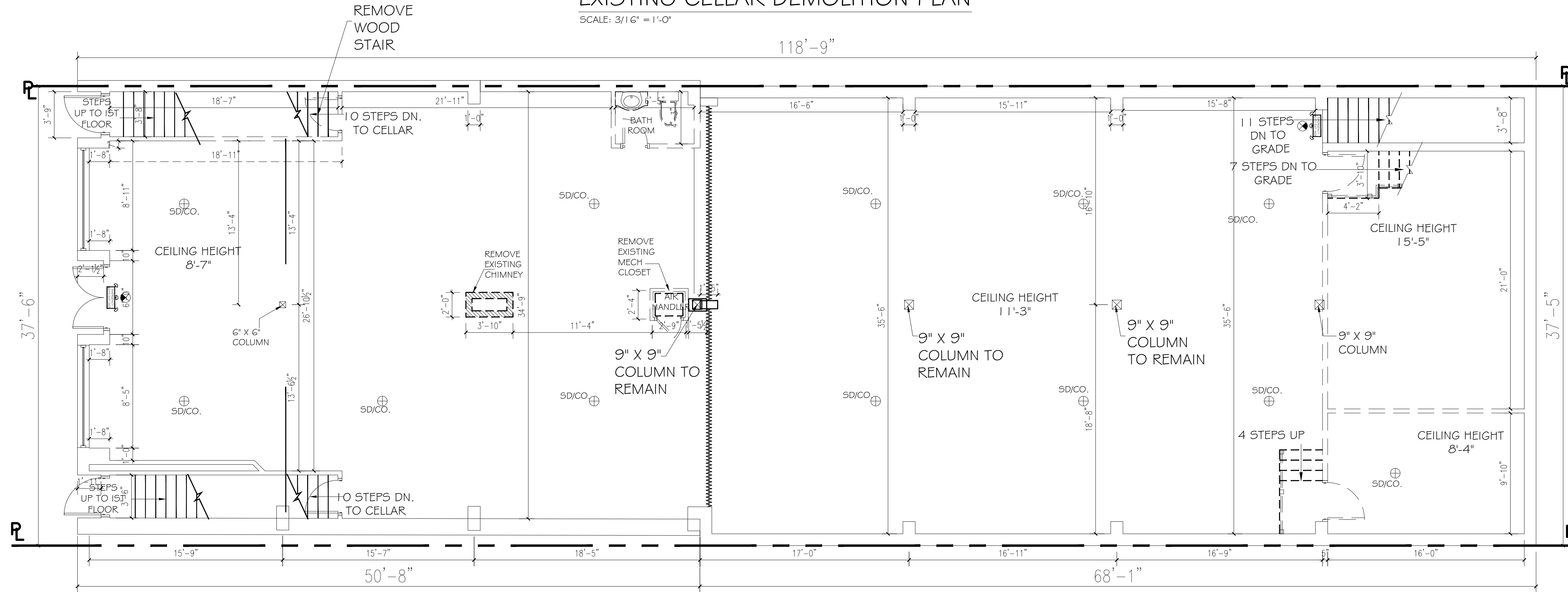
APPROVAL SEAL & SIGNATURE:

SEAL & SIGNATURE: [Signature]
INITIAL DATE: 11/27/19
REVISED DATE: 07/20/20
CHECKED BY INITIALS:
SCALE: AS SHOWN

SHEET NO.: Z-001.00
1 OF 20



EXISTING CELLAR DEMOLITION PLAN
SCALE: 3/16" = 1'-0"



EXISTING FIRST DEMOLITION PLAN
SCALE: 3/16" = 1'-0"

DEMOLITION NOTES:

- DEMOLITION OPERATIONS SHALL BE CONDUCTED IN ACCORDANCE WITH CURRENT APPROPRIATE OSHA RULES AND 2016 NYS UNIFORM CODE 2015 IECC. CONTRACTOR SHALL PERFORM ALL OPERATIONS OF DEMOLITION AND REMOVAL INDICATED ON THE DRAWINGS AND AS MAY BE REQUIRED BY THE WORK. ALL WORK SHALL BE DONE CAREFULLY AND NEATLY IN A SYSTEMATIC MANNER.
- ALL EXISTING SURFACES AND EQUIPMENT TO REMAIN SHALL BE FULLY PROTECTED FROM DAMAGE. THE CONTRACTOR SHALL ASSUME FULL RESPONSIBILITY FOR DAMAGE AND SHALL MAKE REPAIRS REQUIRED WITHOUT ADDITIONAL COST TO THE OWNER.
- WHERE A STRUCTURE TO BE DEMOLISHED HAS BEEN PARTIALLY WRECKED OR WEAKENED BY FIRE, FLOOD, EXPLOSION, AGE, OR OTHER CAUSES, IT SHALL BE SHORED OR BRACED TO THE EXTENT NECESSARY TO PERMIT ORDERLY FULL DEMOLITION WITHOUT COLLAPSE.
- STEEL, REINFORCED CONCRETE AND HEAVY TIMBER CONSTRUCTION SHALL BE DEMOLISHED COLUMN LENGTH-BY-COLUMN LENGTH AND TIER-BY-TIER. ANY STRUCTURAL MEMBER THAT ARE BEING DISMEMBERED SHALL NOT SUPPORT ANY LOAD OTHER THAN ITS OWN WEIGHT, AND SUCH MEMBER SHALL BE CHAINED OR LASHED IN PLACE TO PREVENT ANY UNCONTROLLED SWING OR DROP.
- NO DEBRIS SHALL BE ALLOWED TO ACCUMULATE ON THE SITE. DEBRIS SHALL BE REMOVED BY THE CONTRACTOR AS THE JOB PROCEEDS. THE SITE SHALL BE LEFT BROOM CLEANED AT THE COMPLETION OF DEMOLITION. DEMOLISHED MATERIALS, UNLESS OTHERWISE NOTED, SHALL BECOME THE PROPERTY OF THE CONTRACTOR.
- ROOF, THIRD, SECOND AND FIRST FLOORS SHALL BE DEMOLISHED BY USE OF HANDHELD MECHANICAL EQUIPMENT.
- NO STRUCTURAL ELEMENTS SHALL BE REMOVED UNLESS PORTIONS AFFECTED ARE ADEQUATELY SUPPORTED BY EITHER TEMPORARY SHORING OR NEW STRUCTURAL ELEMENTS AS REQUIRED TO PROTECT THE STABILITY AND INTEGRITY OF THE EXISTING STRUCTURE.
- NO WALL, CHIMNEY, OR OTHER STRUCTURAL PART SHALL BE LEFT IN SUCH CONDITION THAT IT MAY COLLAPSE OR BE TOPPLED BY WIND, VIBRATION OR ANY OTHER CAUSE.
- TO BE LEFT IN PLACE UNTIL ACTUAL DEMOLITION OF SUCH FLOOR IS IN PROGRESS.
- ALL ADJOINING PROPERTY AFFECTED BY ANY OPERATIONS OF DEMOLITION SHALL BE PROTECTED PER REQUIREMENTS.
- BEFORE COMMENCEMENT OF DEMOLITION ALL WIRING, PLUMBING AND MECHANICAL EQUIPMENT AFFECTED BY REMOVAL OF PARTITIONS SHALL BE REMOVED OR RELOCATED.

- THE CONTRACTOR SHALL PROVIDE ADEQUATE WEATHER PROTECTION FOR THE BUILDING AND ITS CONTENTS DURING THE COURSE OF THE WORK. ALL OPENINGS IN ANY WALL OR ROOF SHALL BE PROTECTED FROM ALL FORMS OF WEATHER OR WATER PENETRATION DURING DEMOLITION.
- THE CONTRACTOR SHALL MAKE ARRANGEMENTS TO PREVENT THE ACCUMULATION OF WATER OR WATER DAMAGE TO ANY FOUNDATIONS ON THE PREMISES OR TO THE ADJOINING PROPERTY.
- ANY ERRORS, OMISSIONS, OR UNUSUAL CONDITIONS SHALL BE REPORTED TO NASIR J. KHANZADA P.E., IMMEDIATELY.
- CONTRACTOR SHALL BE RESPONSIBLE FOR FIELD VERIFICATION AND PROTECTION OF THE UTILITIES DURING DEMOLITION.
- NO MATERIAL SHALL BE DROPPED OR THROWN OUTSIDE THE EXTERIOR WALLS OF THE BUILDING.
- EGRESS PATHS SHALL BE PROVIDED / MAINTAINED THROUGHOUT DEMOLITION.
- CONTRACTOR SHALL CONTROL DUST ACCUMULATION BY SPRAYING CONTINUOUS WATER ON THE DEMOLITION STRUCTURE.

LEGEND

- EXISTING TO BE REMOVE
- EXISTING WALL TO REMAIN



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NO.	DATE	DESCRIPTION	BY	CHK'D BY

MAP NO.:	----	NORTH ARROW
SECTION	36	
BLOCK:	410	
LOT:	82	

PROJECT LOCATION:
**1850 GRAND AVENUE
BALDWIN, NY 11510**

WORK DESCRIPTION:
**INTERIOR RENOVATION TO
EXISTING COMMERCIAL
SPACE AND CHANGE OF USE
TO MOSQUE**

SHEET TITLE:
**EXISTING CELLAR, FIRST
FLOOR DEMOLITION PLAN**

DEPT. OF BLDGS. JOB NUMBER / SCAN CODE:
**APPLICATION# 20-17156
TRACKING# 202003321**

APPROVAL SEAL & SIGNATURE:

SEAL & SIGNATURE:

INITIAL DATE:
11/27/19

REVISED DATE:
02/19/20

CHECKED BY INITIALS:

SCALE:
AS SHOWN

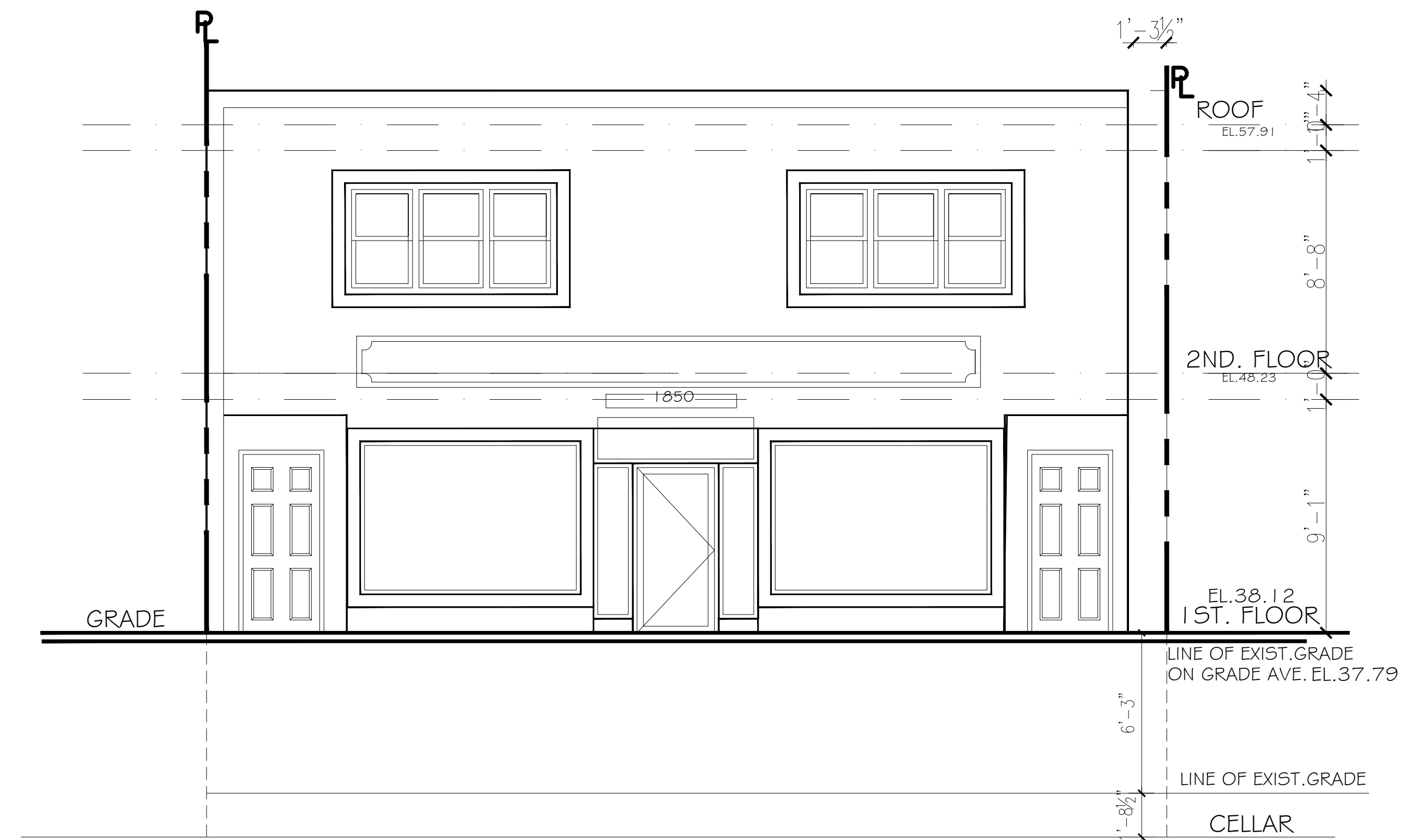
SHEET NO.:
DM-001.00

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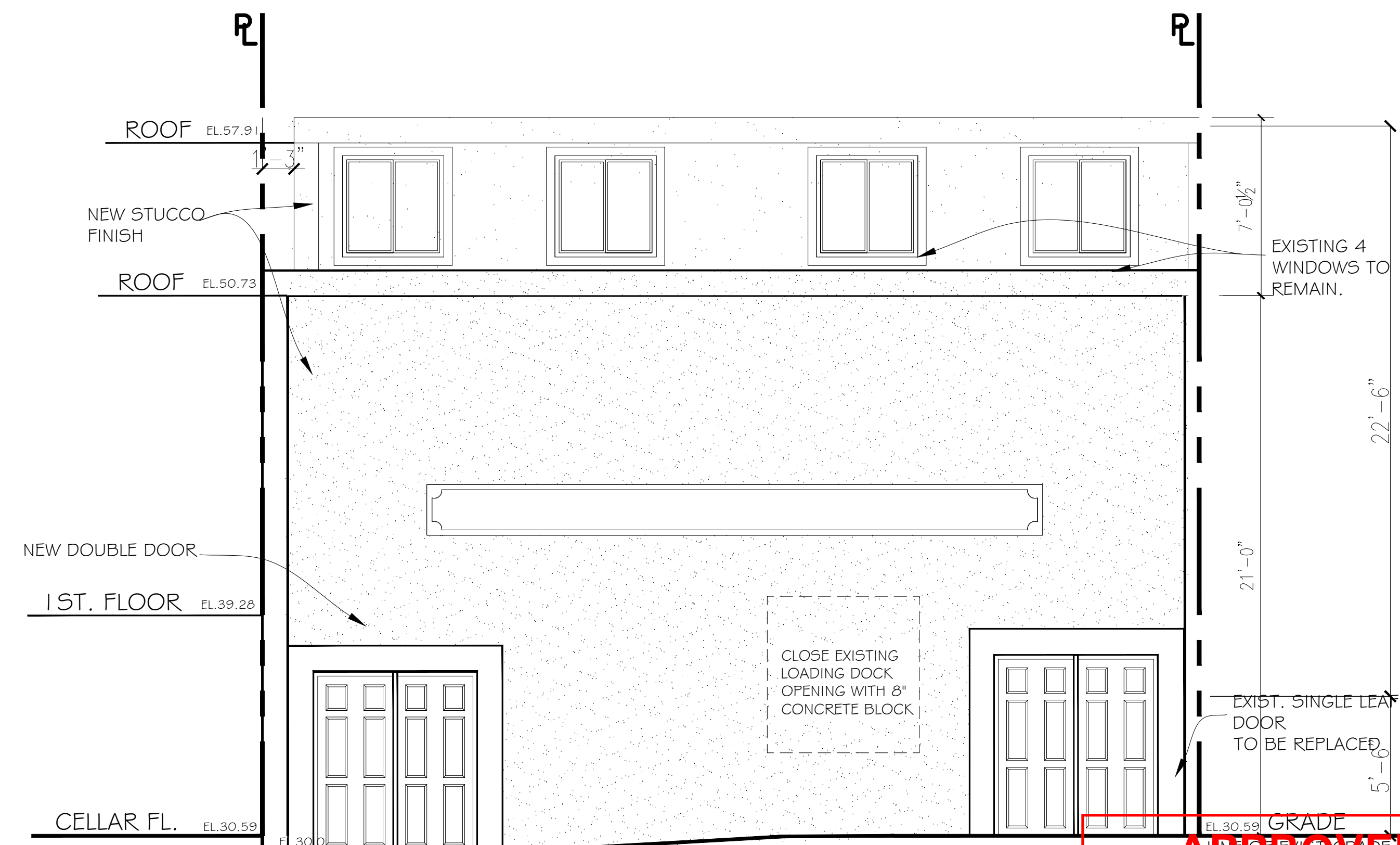
GENERAL NOTES:

NOTE: ENGINEER IS NOT RETAINED FOR ACTUAL CONSTRUCTION SUPERVISION
ENGINEER OF RECORD IS NOT RESPONSIBLE FOR THE CONSTRUCTION MEANS,
METHODS, DEVIATIONS, TECHNIQUES, PROCEDURES AND SAFETY PRECAUTIONS
IN CONNECTION WITH THESE PLANS

1. THE ENGINEER HAS BEEN RETAINED FOR REQUIRED CONSTRUCTION INSPECTIONS EXCEPT THE FINAL INSPECTION TO BE PERFORMED BY THE DEPARTMENT OF BUILDINGS.
2. ALL WORK SHALL CONFORM TO THE REQUIREMENTS OF NYC ZONING RESOLUTION AND BUILDING CODE AND SHALL CONFORM TO ALL THE RECOMMENDATIONS OF NYC BUILDING CODE AMENDMENTS: ALL WORK SHALL ALSO CONFORM TO THE REQUIREMENTS OF ANY OTHER AUTHORITIES HAVING JURISDICTION. THE CONTRACTOR SHALL OBTAIN AND ARRANGE FOR ALL REQUIRED PERMITS, INSPECTIONS, CERTIFICATES, TESTS AND SURVEYS.
3. THE CONTRACTOR SHALL VERIFY ALL EXISTING CONDITIONS AND DIMENSIONS BEFORE STARTING CONSTRUCTION AND SHALL NOTIFY THE ENGINEER OF ANY AMBIGUITIES OR DISCREPANCIES BEFORE PROCEEDING WITH THE WORK. IF ANY QUESTION ARISE BEFORE OR DURING CONSTRUCTION AS TO THE INTENT OR DETAILS OF THE DRAWINGS, THE CONTRACTOR SHALL CALL ENGINEER FOR CLARIFICATION AND/OR INSTRUCTIONS. IF THE CONTRACTOR FAILS TO FOLLOW THE FOLLOWING PROCEDURE, HE SHALL ASSUME ALL THE RESPONSIBILITY FOR THE CONSEQUENCES OF HIS ACTIONS AND/OR DECISIONS
4. THE OWNER SHALL ARRANGE FOR SUPERVISION OF THE CONSTRUCTION WORK TO. INSURE COMPLIANCE WITH THE CONTRACT DOCUMENTS.
5. ALL PLUMBING WORK SHALL PERFORMED IN STRICT ACCORDANCE WITH ALL APPLICABLE DEPARTMENT OF BUILDING CODE.
6. CAULK AND FINISH ALL WINDOWS AND DOORS AS REQUIRED. INSTALL METAL FLASHING AROUND ALL ROOF PENETRATIONS.
7. PROVIDE AND INSTALL ALL MOLDINGS, SILLS, STOOLS AND TRIM AROUND ALL WINDOWS AND DOORS AS REQUIRED.
8. ALL COLORS AND FINISHES SHALL BE SELECTED BY OWNER.
9. ALL WINDOWS, AS SELECTED BY OWNER, SHALL HAVE HIGH PERFORMANCE INSULATED GLASS.
10. ALL INSULATION WHICH IS CAPABLE OF ABSORBING WATER SHALL BE PROTECTED BY A VAPOR BARRIER LOCATED ON THE WINTER WARM SIDE OF THE INSULATION. INSULATION SHALL BE INSTALLED IN SUCH A MANNER THAT PROVIDES CONTINUITY OF INSULATION AT PLATE LINES, SILL LINES AND CORNER.
11. ALL FOUNDATION SHALL REST ON UNDISTURBED SOIL OF 2 TSF BEARING CAPACITY; CONTRACTOR SHALL HAVE THE LEVEL OF BEARING STRATA VERIFIED IN THE FIELD PRIOR TO FOUNDATION CONSTRUCTION.
12. ALL CONCRETE WORK SHALL CONFORM TO THE REQUIREMENTS AND RECOMMENDATIONS OF ACI-301-84 "SPECIFICATIONS FOR STRUCTURAL CONCRETE FOR BUILDINGS" ($F_c = 3,000$ PSI). REINFORCING STEEL SHALL CONFORM TO ASTM A-615 GRADE 60.
13. ALL STEEL WORK SHALL CONFORM TO THE REQUIREMENTS OF THE AISC "SPECIFICATIONS FOR THE DESIGN, FABRICATION, AND ERECTION OF STRUCTURAL STEEL FOR BUILDINGS." STEEL SHALL CONFORM TO ASTM A-36 AND A-50.
14. PROVIDE SINGLE STATION SMOKE DETECTING ALARM DEVICE ON EACH FLOOR AS PER NYS BUILDING CODE PART 717.5.
15. RAILINGS AND HANDRAILS, BOTH INTERIOR AND EXTERIOR, SHALL BE DESIGN TO RESIST A LATERAL IMPACT AT TOP EQUIVALENT TO A MINIMUM LINEAR LOAD OF 50 LBS. PER FOOT.
16. STAIRS, DOORS AND EXITS SHALL COMPLY WITH NYS BUILDING CODE PART 713.
17. WINDOWS THAT SERVES AS OPENINGS FOR EMERGENCY EXITS SHALL COMPLY WITH NYS BUILDING CODE PART 714.
18. FOAM PLASTIC INSULATION SHALL COMPLY WITH NYS BUILDING CODE PART 719.2. IN FLOORS.



EXISTING FRONT ELEVATION (NO CHANGE)
APPROVED UNDER JOB#201806337
SCALE: 1/4"=1'-0"



PROPOSED REAR ELEVATION
SCALE: 1/4"=1'-0"

APPROVED
04/08/2022
CHIEF BUILDING INSPECTOR
TOWN OF HEMPSTEAD, NY
PER JOSEPH NEHREBECKI

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MAP NO.:	----	NORTH ARROW
SECTION	36	
BLOCK:	410	
LOT:	82	


PROJECT LOCATION:
1850 GRAND AVENUE
BALDWIN, NY 11510

WORK DESCRIPTION:
INTERIOR RENOVATION TO EXISTING COMMERCIAL SPACE AND CHANGE OF USE TO MOSQUE

SHEET TITLE:
PROPOSED FRONT AND REAR ELEVATION

DEPT. OF BLDGS. JOB NUMBER / SCAN CODE:
APPLICATION# 20-17156
TRACKING# 202003321

APPROVAL SEAL & SIGNATURE:

SEAL & SIGNATURE: 
INITIAL DATE: 11/27/19
REVISED DATE: 07/20/2020
CHECKED BY INITIALS:
SCALE: AS SHOWN

SHEET NO.: A-001.00
4 OF 20

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INTERIOR RENOVATION TO EXISTING COMMERCIAL SPACE AND CHANGE OF USE TO MOSQUE

SHEET TITLE:
PROPOSED FOUNDATION, CELLAR AND FIRST FLOOR PLAN

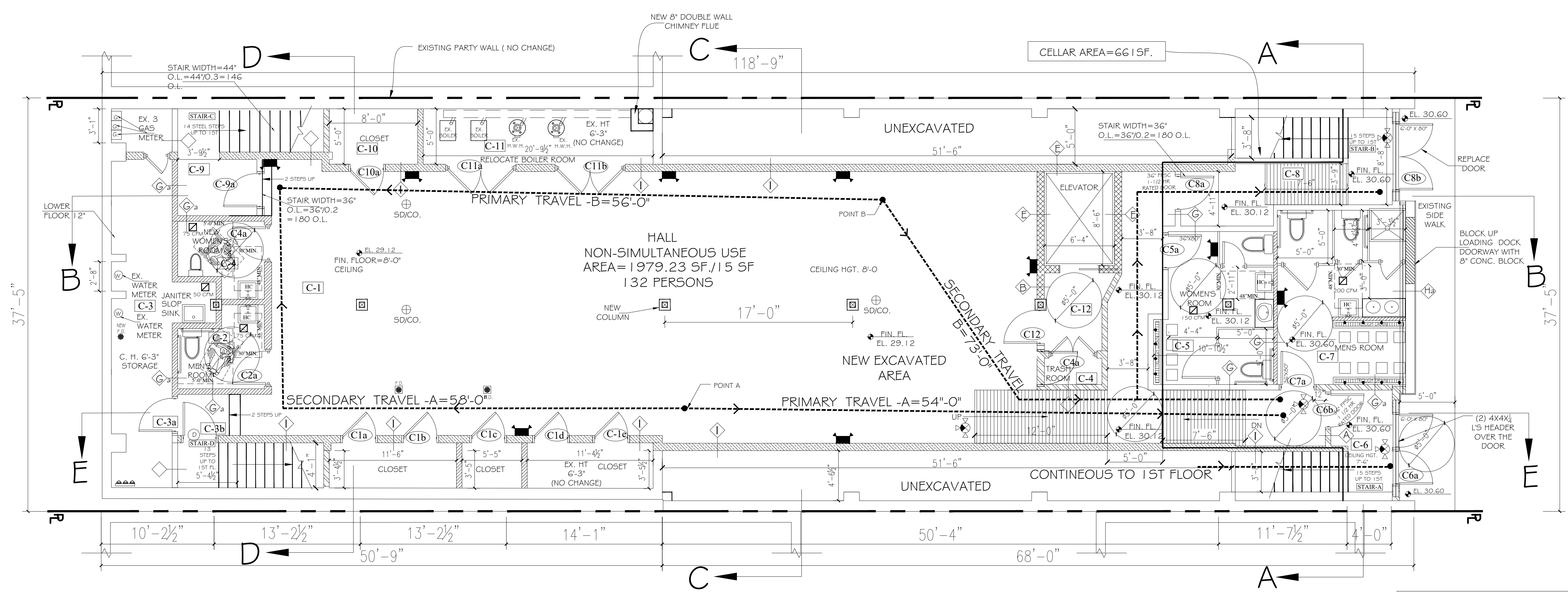
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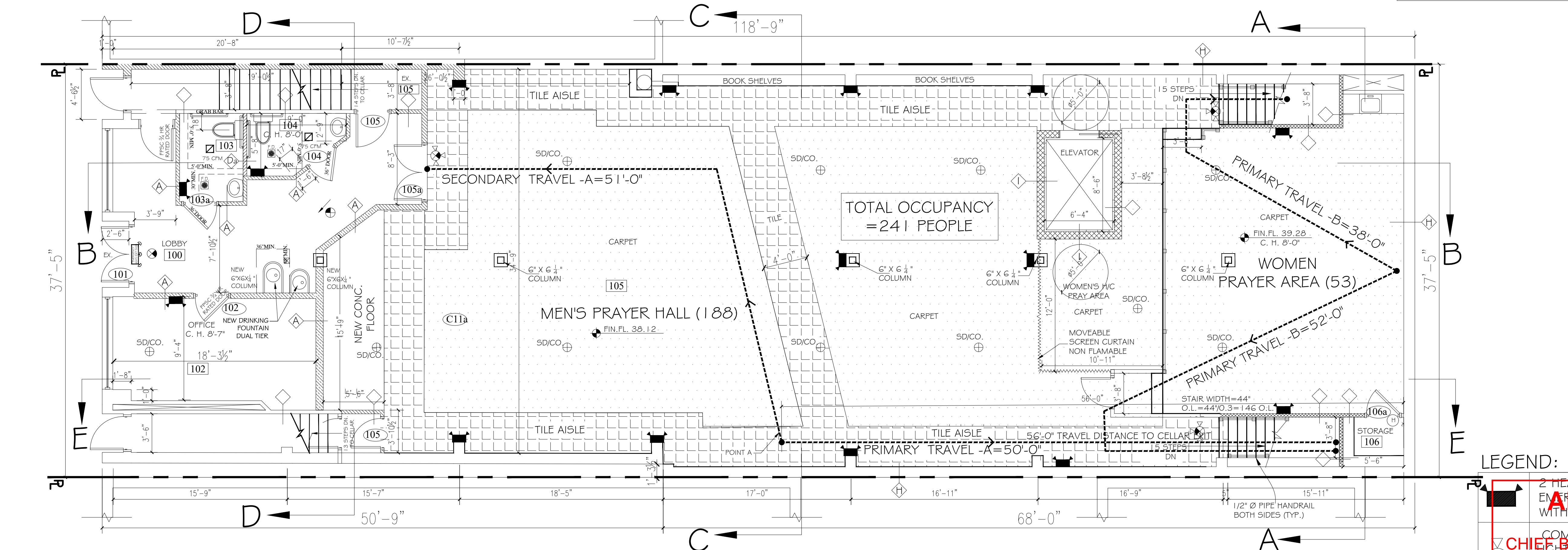
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A-002.00
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PROPOSED CELLAR FLOOR PLAN
SCALE: 3/16" = 1'-0"

LEGEND

- NEW INTERIOR WALL 2 HR RATED
- NEW INTERIOR 8" BLOCK WALL 2HR RATED
- NEW INTERIOR WALL NON RATED
- NEW INTERIOR 8" BLOCK WALL 2HR RATED



PROPOSED FIRST FLOOR PLAN
SCALE: 3/16" = 1'-0"

LEGEND:

- 2 HEAD CEILING MOUNTED ENCL. WITH MR 1'S LED BULBS
- COMBINED EMERGENCY EXIT LIGHTS (2'S HEAD MOUNTED)

APPROVED
04/08/2022
CHIEF BUILDING INSPECTOR
TOWN OF CHEMPSTEAD, NY
PER JOSEPH WEHREBECKI



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MAP NO.: ---- NORTH ARROW
SECTION: 36
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PROJECT LOCATION:
1850 GRAND AVENUE
BALDWIN, NY 11510

WORK DESCRIPTION:
INTERIOR RENOVATION TO EXISTING COMMERCIAL SPACE AND CHANGE OF USE TO MOSQUE

SHEET TITLE:
EXISTING SECOND FLOOR PLAN AND WALL DETAILS

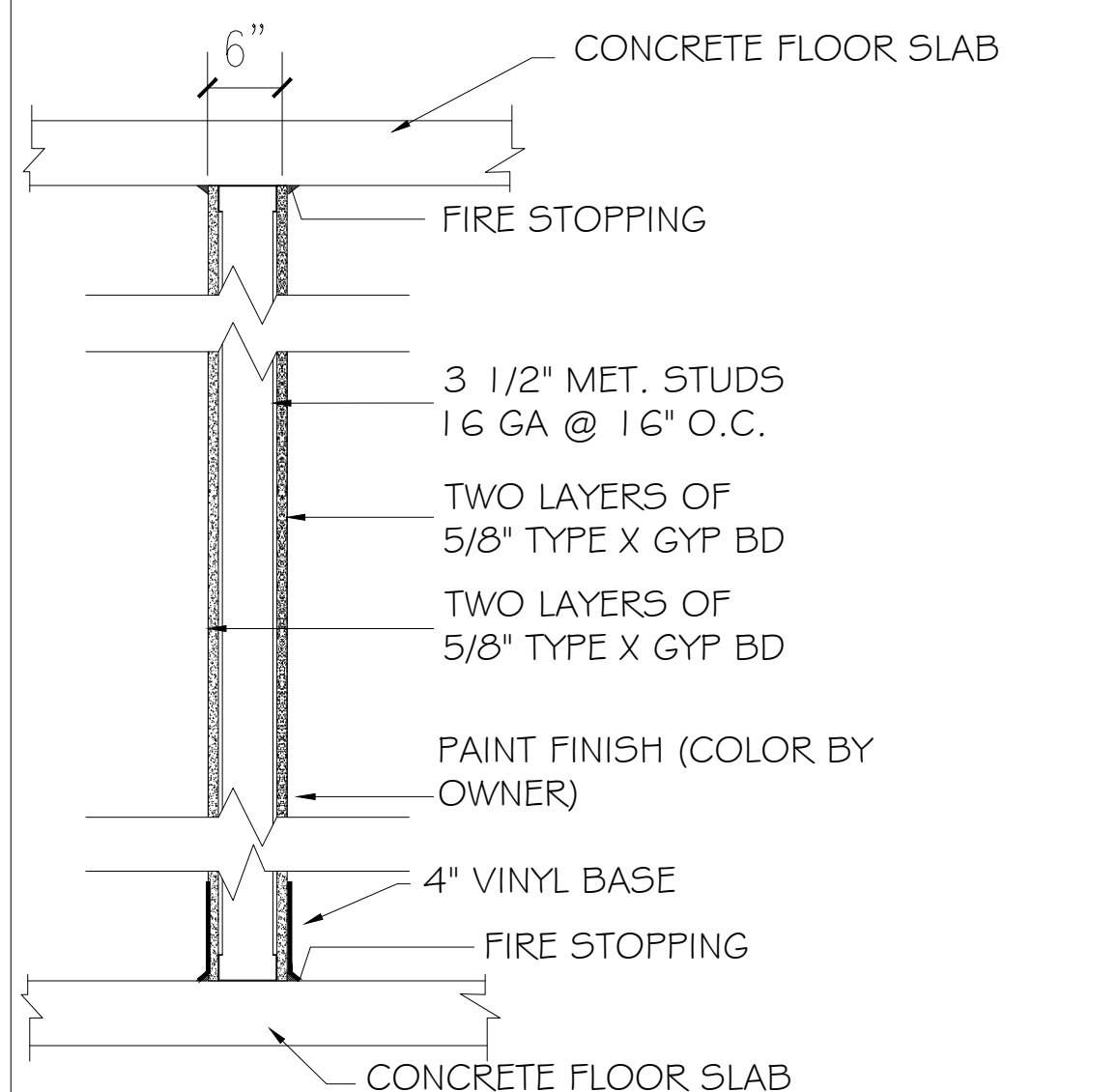
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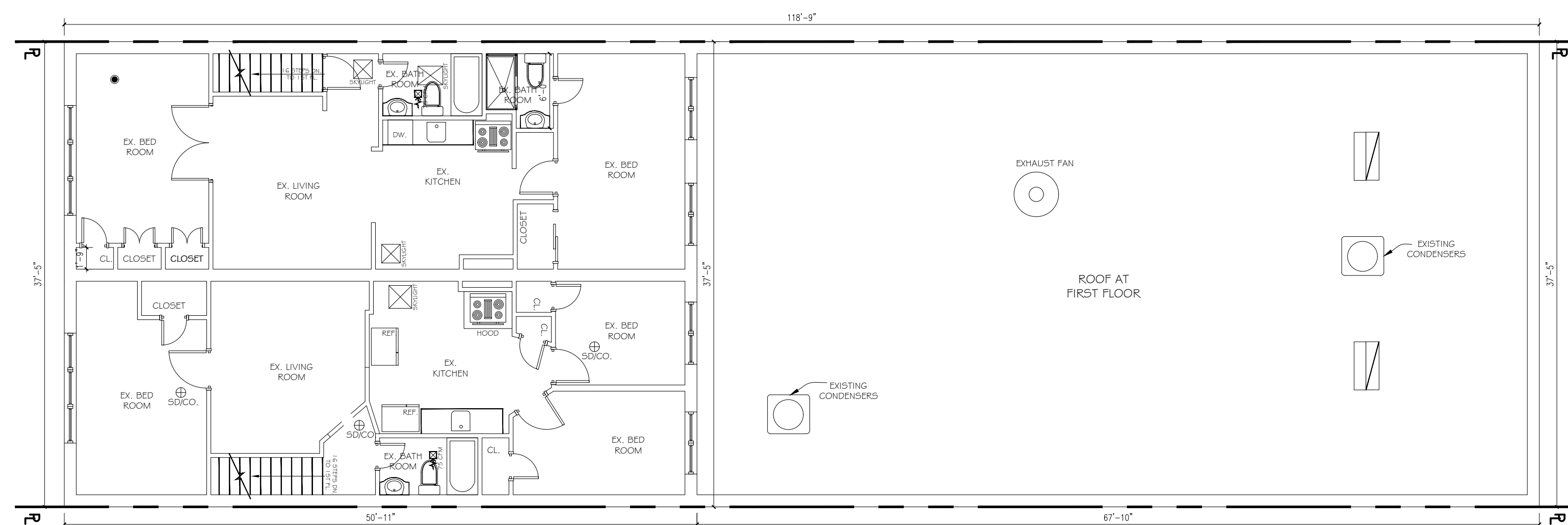
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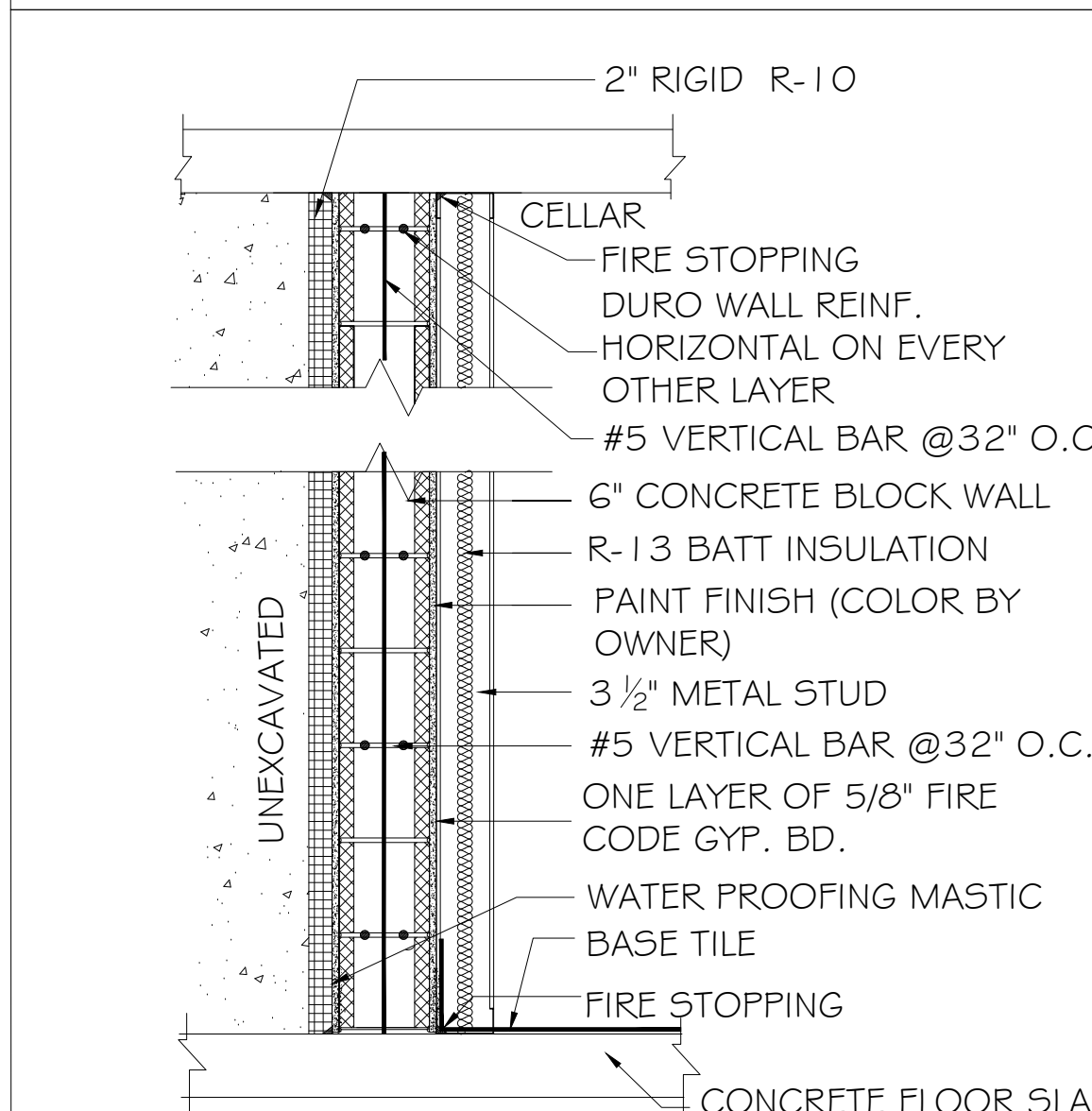
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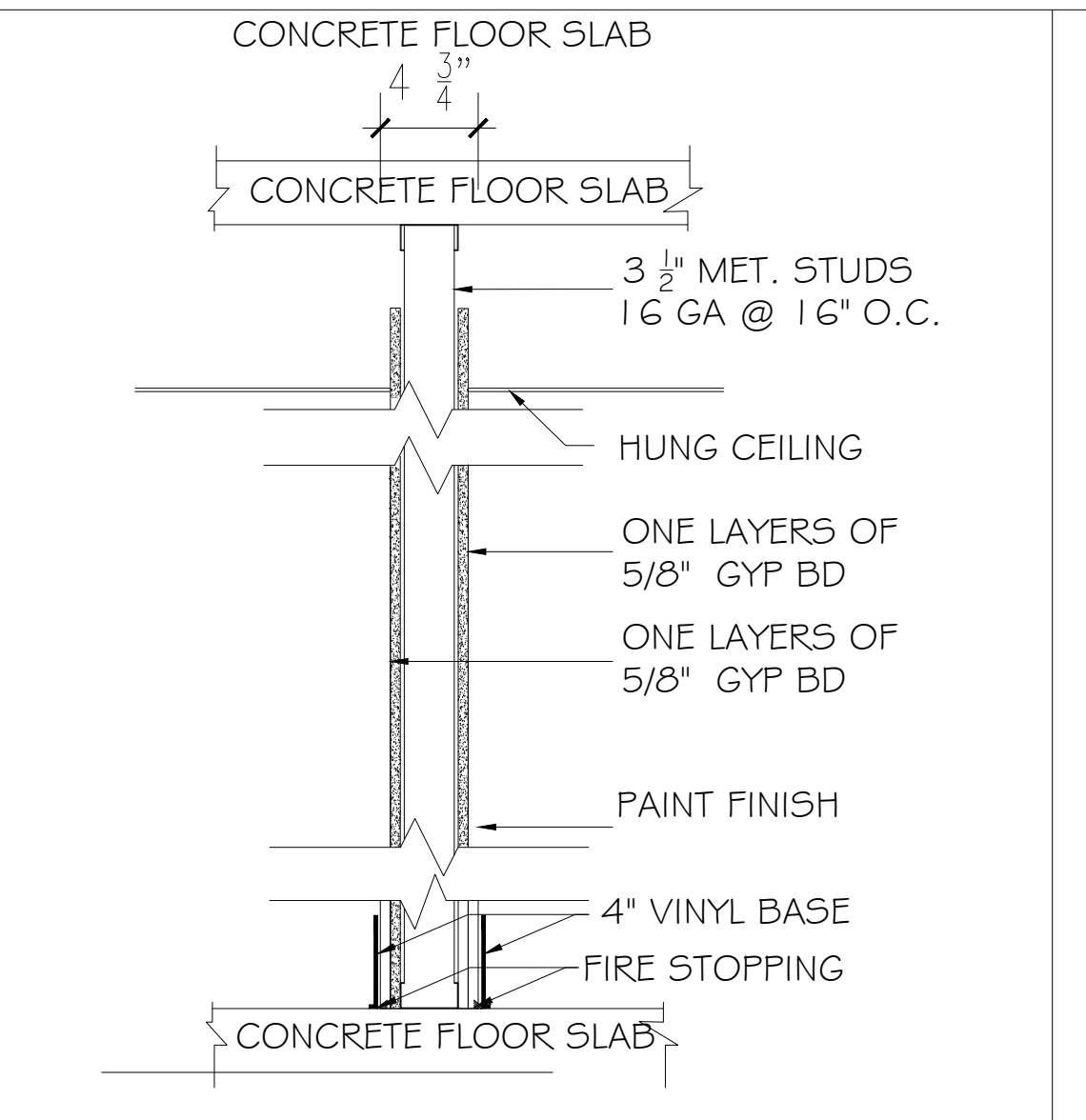
A 6" INTERIOR PARTITION 2 HR. RATED
a) WATER RESIST. GYP. BD. ONE SIDE



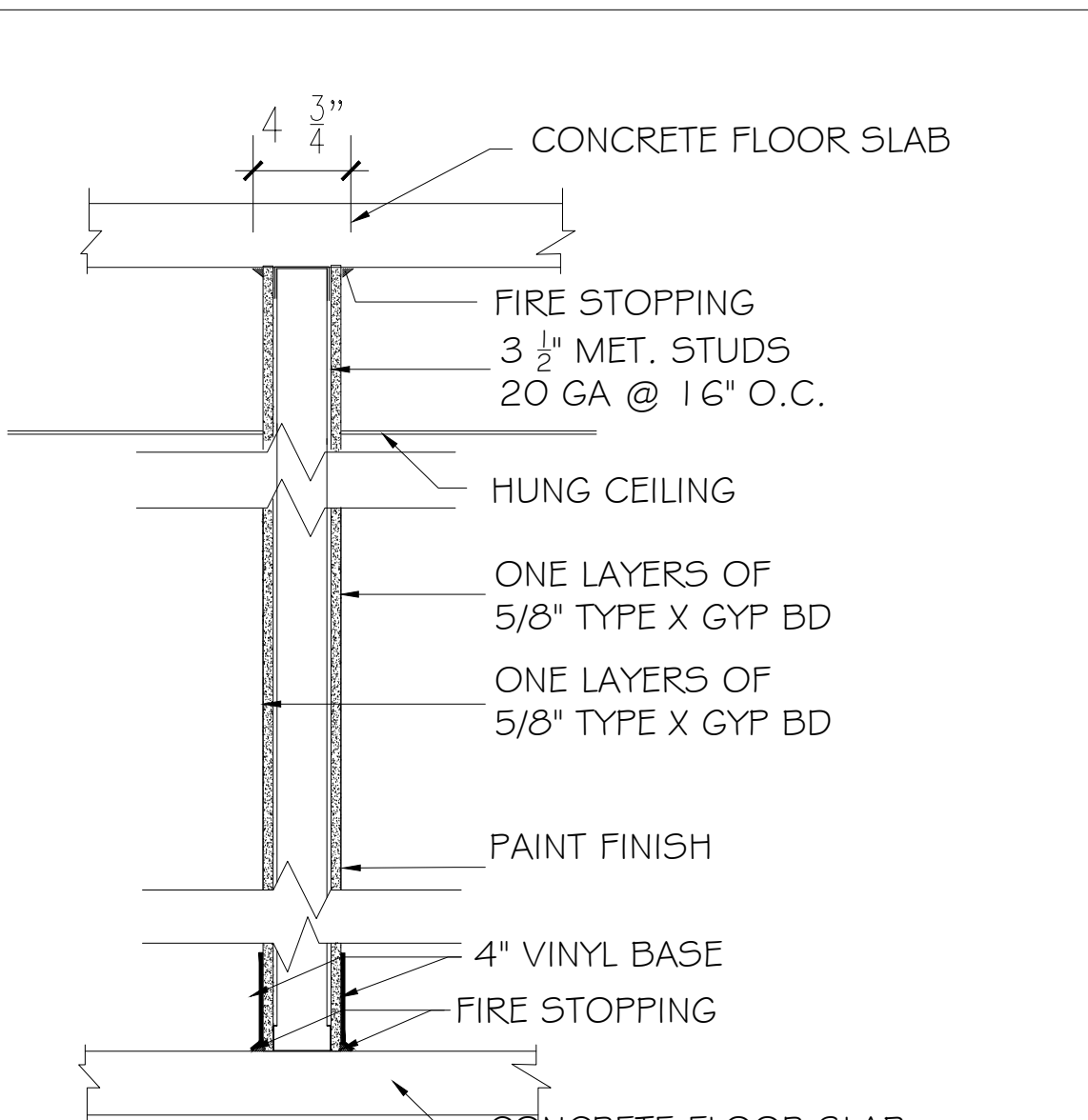
EXISTING SECOND FLOOR PLAN
SCALE: 1/8" = 1'-0"



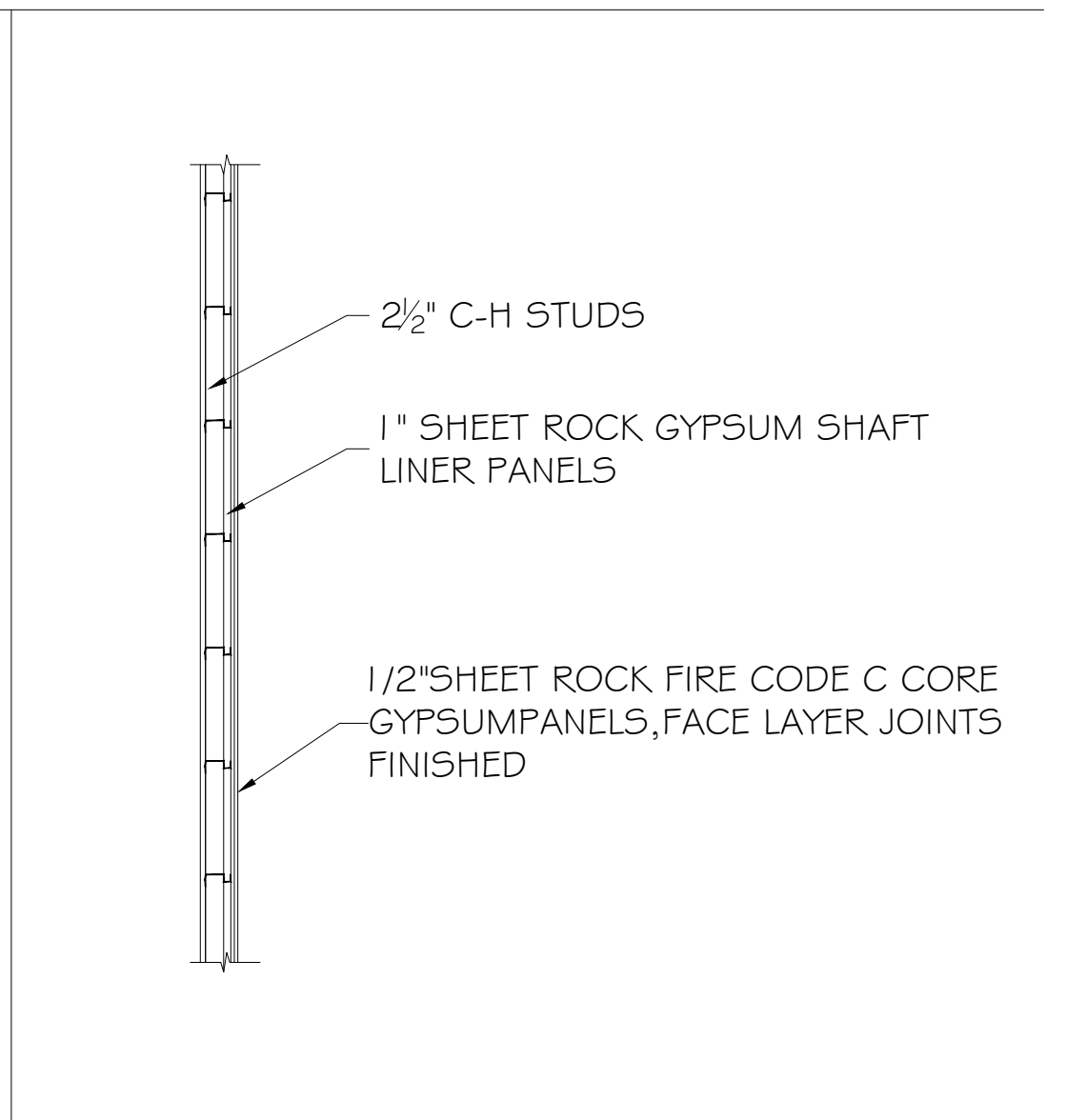
B 8" INTERIOR WALL 4HR. RATED
UL912



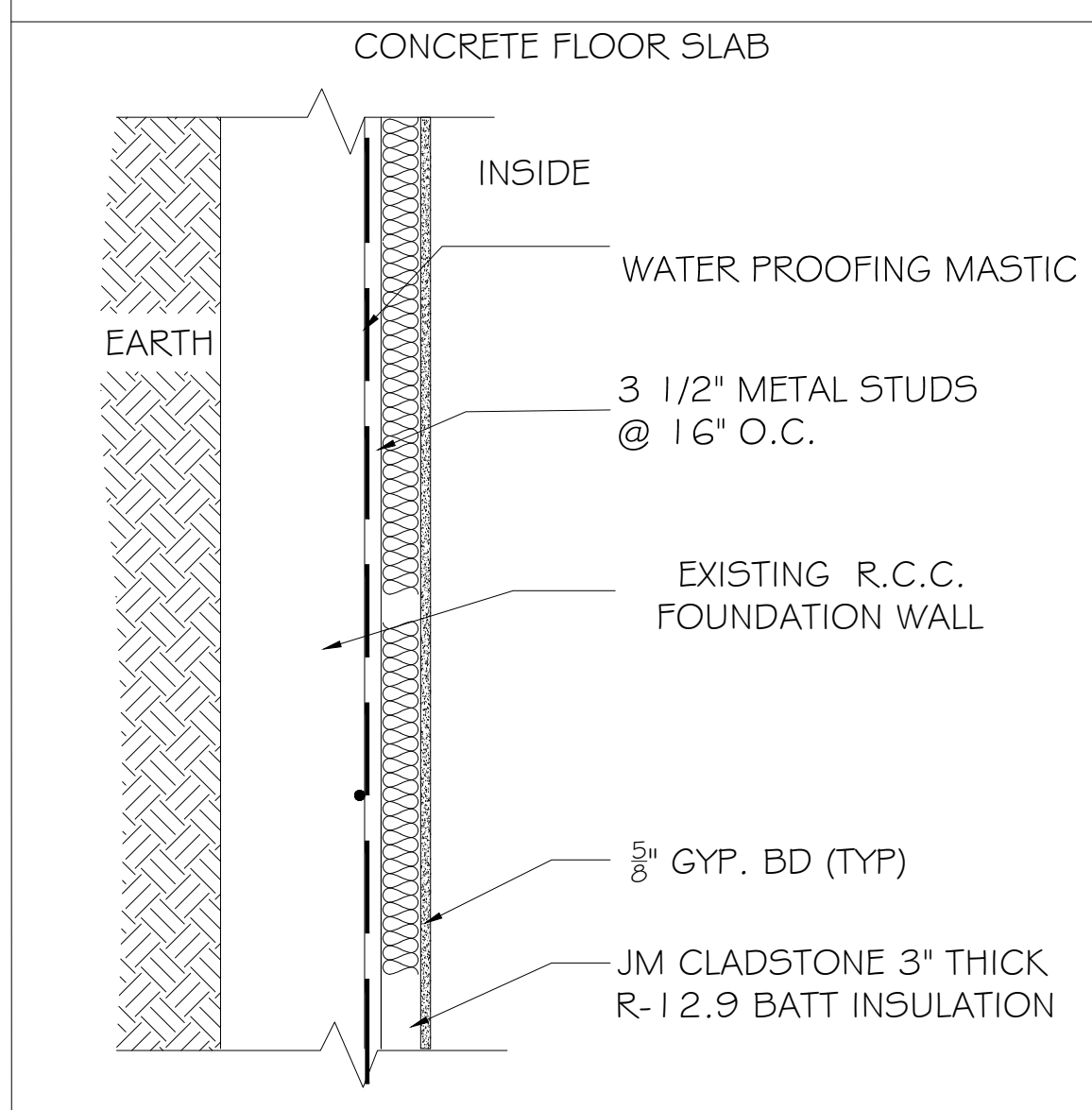
C INTERIOR PARTITION NON RATED
a) WATER RESIST. GYP. BD. ONE SIDE



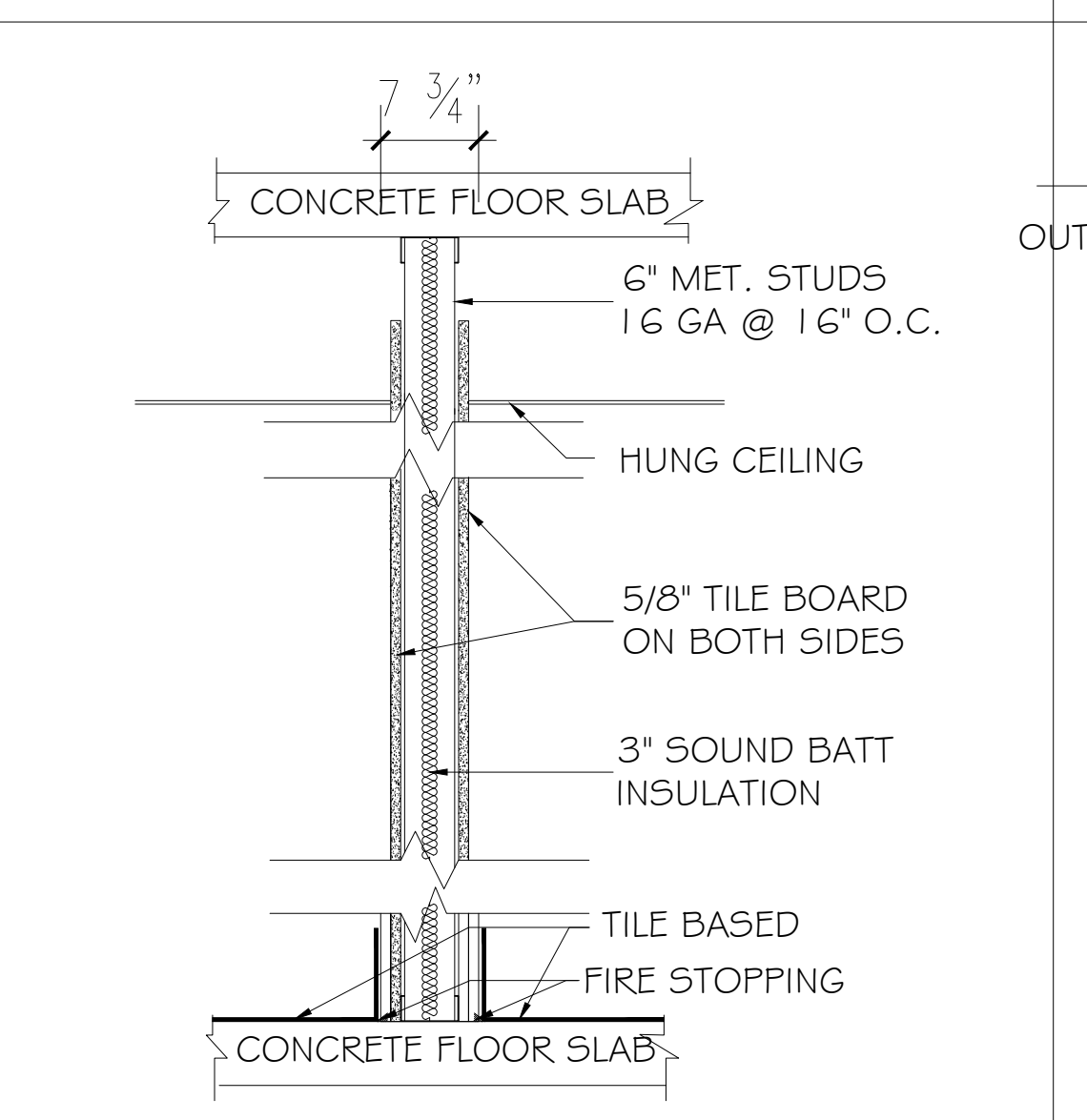
D INTERIOR PARTITION 1 HR RATED
UL# U423
a) WATER RESIST. GYP. BD. # TILE EA. SIDE



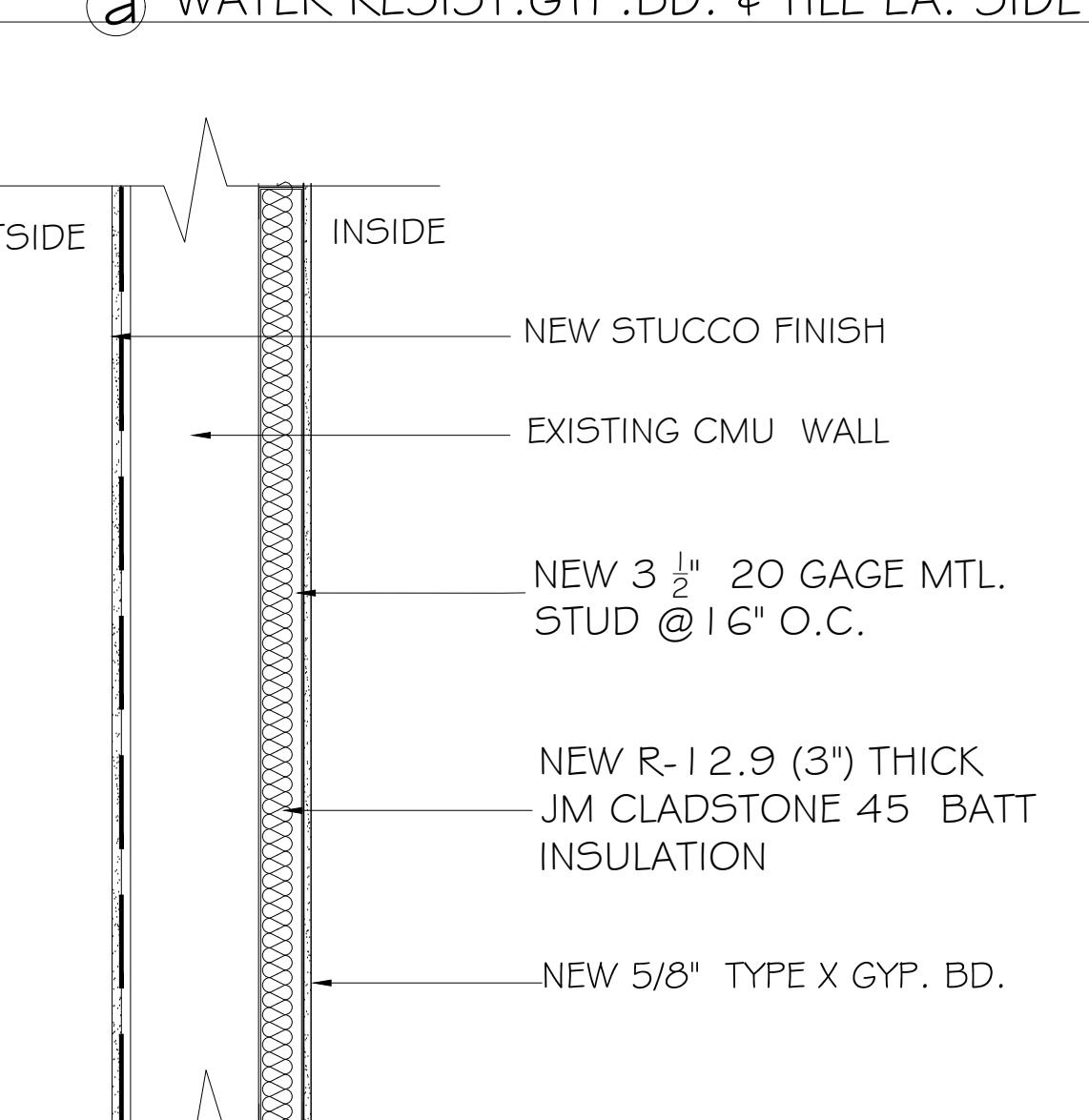
E 2 HR SHAFT WALL
UL # U415



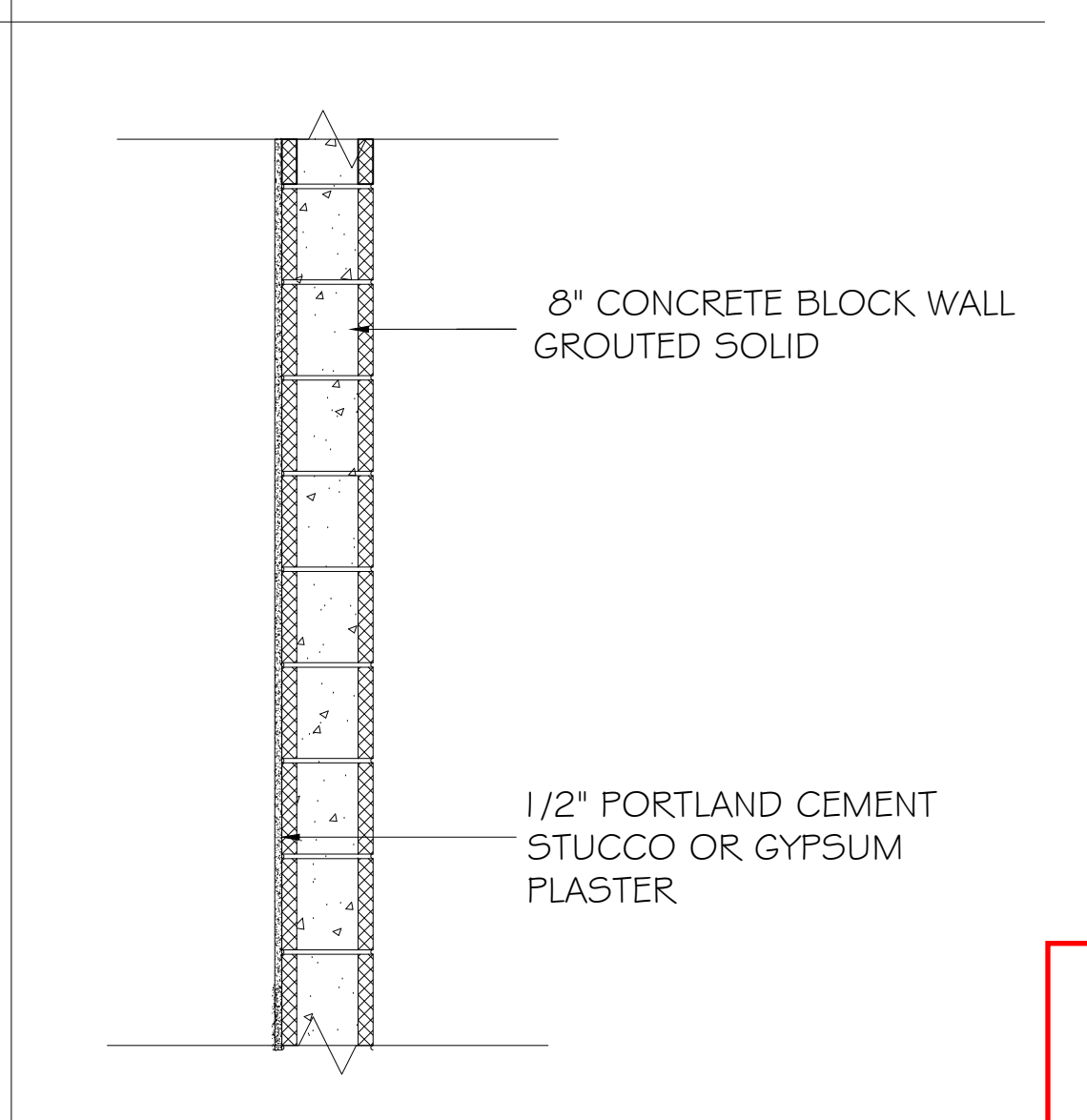
F EXISTING CONCRETE FOUNDATION WALL
WATER RESIST. GYP. BD. ONE SIDE



G INTERIOR PARTITION NON RATED
a) WATER RESIST. GYP. BD. ONE SIDE



H 1 1/4" EXTERIOR WALL EXISTING
WATER RESIST. GYP. BD.
W/A HIGH CERAMIC TILE



I NEW 8" CONCRETE BLOCK
2 HR. RATED UL # 906

APPROVED
04/08/2022
CHIEF BUILDING INSPECTOR
TOWN OF HEMPSTEAD, NY
PER JOSEPH NEHREBECKI



INTERIOR DOOR SCHEDULE

NUMBER	ROOM - NAME	COMPANY	DOOR TYPE	QTY.	MODEL NO.	DIMENSIONS	DOOR OPENING	FIRE RATED	REMARKS	SGHC
CELLAR FLOOR DOOR SCHEDULE										
C-9	STAIRCASE-C	TRU	D	01		3'-0"X7'-0"	SINGLE LEAF	1 1/2 HR	PROVIDE DOOR CLOSER 5# PRE. MAX.	
C3b	STAIRCASE-D	TRU	D	01		3'-0"X7'-0"	SINGLE LEAF	1 1/2 HR	PROVIDE DOOR CLOSER 5# PRE. MAX.	
C-4a	RESTROOM	TRU	E	01		2'-0"X6'-8"	SINGLE LEAF	1 HR	PROVIDE DOOR CLOSER 5# PRE. MAX.	
C-2a	RESTROOM	TRU	E	01		2'-0"X6'-8"	SINGLE LEAF	1 HR	PROVIDE DOOR CLOSER 5# PRE. MAX.	
C-10a	STORAGE	TRU	H	01		3'-0"X6'-8"	SINGLE LEAF	1 1/2 HR	PROVIDE DOOR CLOSER 5# PRE. MAX.	
C-11	BOILER ROOM	TRU	I	2		6'-0"X7'-0"	DOUBLE LEAVES	1 1/2 HR	PROVIDE DOOR CLOSER 5# PRE. MAX.	
C-3a	METER ROOM	TRU	F	01		3'-8"X7'-0"	SINGLE LEAF	1 HR	PROVIDE DOOR CLOSER 5# PRE. MAX.	
C-1	UTILITIES	TRU	H	5		3'-0"X6'-8"	SINGLE LEAF	1 1/2 HR	PROVIDE DOOR CLOSER 5# PRE. MAX.	
C-12	LIFT LOBBY	TRU	D	01		3'-0"X6'-8"	SINGLE LEAF	1 1/2 HR	PROVIDE DOOR CLOSER 5# PRE. MAX.	
C-4a	STORAGE	TRU	J	01		4'-0"X6'-8"	DOUBLE LEAF	1 HR	PROVIDE DOOR CLOSER 5# PRE. MAX.	
C-5a	WOMEN RESTRM.	TRU	F	01		3'-0"X6'-8"	SINGLE LEAF	1 HR	PROVIDE DOOR CLOSER 5# PRE. MAX.	
C-5b	H/C RESTROOM.	TRU	F	01		3'-0"X6'-8"	SINGLE LEAF	1 HR	PROVIDE DOOR CLOSER 5# PRE. MAX.	
C-5c	RESTROOM.	TRU	E	01		2'-0"X6'-8"	SINGLE LEAF	1 HR	PROVIDE DOOR CLOSER 5# PRE. MAX.	
C-7a	MEN RESTRM.	TRU	F	01		3'-0"X6'-8"	SINGLE LEAF	1 HR	PROVIDE DOOR CLOSER 5# PRE. MAX.	
C-7b	H/C RESTROOM.	TRU	F	01		3'-0"X6'-8"	SINGLE LEAF	1 HR	PROVIDE DOOR CLOSER 5# PRE. MAX.	
C-7c	RESTROOM.	TRU	E	01		2'-0"X6'-8"	SINGLE LEAF	1 HR	PROVIDE DOOR CLOSER 5# PRE. MAX.	
C-7d	RESTROOM.	TRU	E	01		2'-0"X6'-8"	SINGLE LEAF	1 HR	PROVIDE DOOR CLOSER 5# PRE. MAX.	
FIRST FLOOR DOOR SCHEDULE										
I02a	OFFICE	TRU	C	01		3'-0"X6'-8"	SINGLE LEAF	1 1/2 HR	PROVIDE DOOR CLOSER 5# PRE. MAX.	
I03a	H/C RESTROOM.	TRU	F	01		3'-0"X6'-8"	DOUBLE LEAVES	1 1/2 HR	PROVIDE DOOR CLOSER 5# PRE. MAX.	
C-11a	H/C RESTROOM.	TRU	F	01		3'-0"X6'-8"	SINGLE LEAF	1 1/2 HR	PROVIDE DOOR CLOSER 5# PRE. MAX.	
C-11b	STAIRCASE	TRU	D	01		3'-0"X6'-8"	SINGLE LEAF	1 1/2 HR	PROVIDE DOOR CLOSER 5# PRE. MAX.	
I05a	PRAYER AREA	TRU	G	01		5'-0"X6'-8"	SINGLE LEAF	1 1/2 HR	PROVIDE DOOR CLOSER 5# PRE. MAX.	
I06a	STORAGE	TRU	H	01		3'-0"X6'-8"	SINGLE LEAF		PROVIDE DOOR CLOSER 5# PRE. MAX.	

EXTERIOR DOOR SCHEDULE

NUMBER	ROOM - NAME	COMPANY	DOOR TYPE	QTY.	MODEL NO.	DIMENSIONS	DOOR OPENING	FIRE RATED	REMARKS	U	SGHC
FIRST FLOOR ENTRANCE DOOR											
I01	MAIN ENTRY	TRU	B	01	CUSTOM	3'-0"X6'-8"	DOUBLE LEAF	3/4 HR	PROVIDE DOOR CLOSER 5# PRE. MAX.	0.26	0.28
I01	MAIN ENTRY	TRU	D	03	CUSTOM	3'-0"X6'-8"	SINGLE LEAF	3/4 HR		0.26	0.28
C6a	REAR ENTRY	TRU	F	01	CUSTOM	3'-0"X6'-8"	DOUBLE LEAF	3/4 HR	PROVIDE DOOR CLOSER 5# PRE. MAX.	0.26	0.28
C8b	REAR ENTRY	TRU	F	01	CUSTOM	3'-0"X6'-8"	DOUBLE LEAF	3/4 HR		0.26	0.28
C6b	EGRESS DOOR	TRU	F	01	CUSTOM	3'-0"X6'-8"	SINGLE LEAF METAL DOOR	3/4 HR		0.26	0.28
C8a	EGRESS DOOR	TRU	F	01	CUSTOM	3'-0"X6'-8"	SINGLE LEAF METAL DOOR	3/4 HR		0.26	0.28

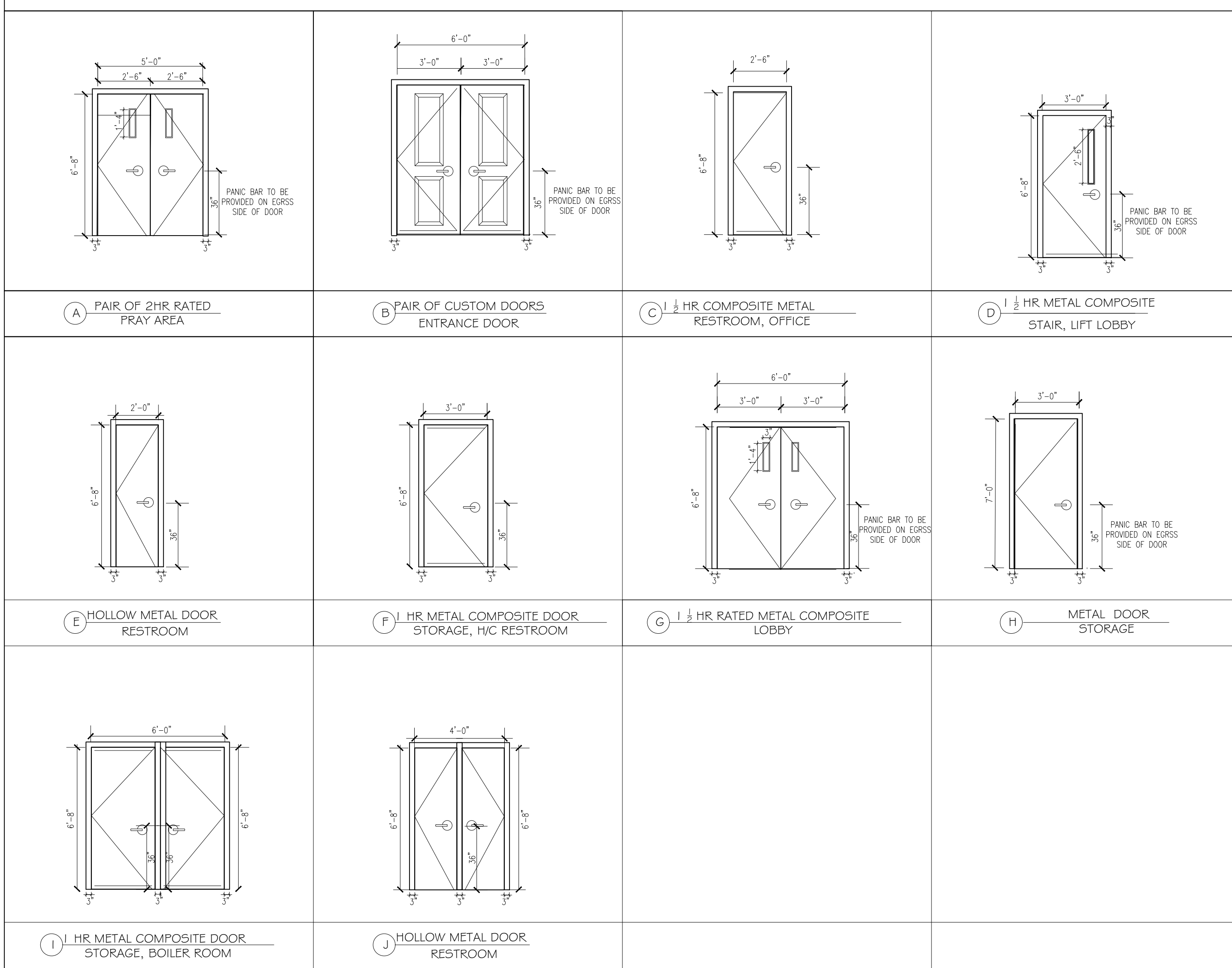
ALL EXTERIOR DOOR MUST BE PROVIDED WITH WEATHER STRIPPING.
 MAXIMUM AIR LEAKAGE = NOT MORE THEN 0.2 CFM/SF FOR WINDOW AND 0.7 CFM/SF FOR DOOR PER TABLE R-402.4.3

NOTES-

- AIR LEAKAGE PROVIDE FLUSHING, WINDOW DAMS, EXPANDABLE FOAM SEALANT, AND CAULKING AT ROUGH OPENING/ WINDOW FRAME JOINTS TO CREATE A CONTINUOUS AIR BARRIER WITH SURROUNDING WALL SYSTEM.
- AIR LEAKAGE PROVIDE FLUSHING, EXPANDABLE FOAM SEALANT, AND CAULKING AT ROUGH OPENING/ SKYLIGHT FRAME JOINTS TO CREATE A CONTINUOUS AIR BARRIER WITH SURROUNDING ROOF SYSTEMS.
- MANUFACTURER'S AIR INFILTRATION RATES BASED ON 6.24 PSF.(300Pa) STATIC PRESSURE DIFFERENTIAL TESTED PER ASTM E 283.

ALL EGRESS DOORS TO BE REQUIRED W/PANIC HARDWARE.
 ALL INTERIOR DOORS IN RATED WALL TO HAVE DOOR CLOSERS

FIGURE:DOOR TYPES

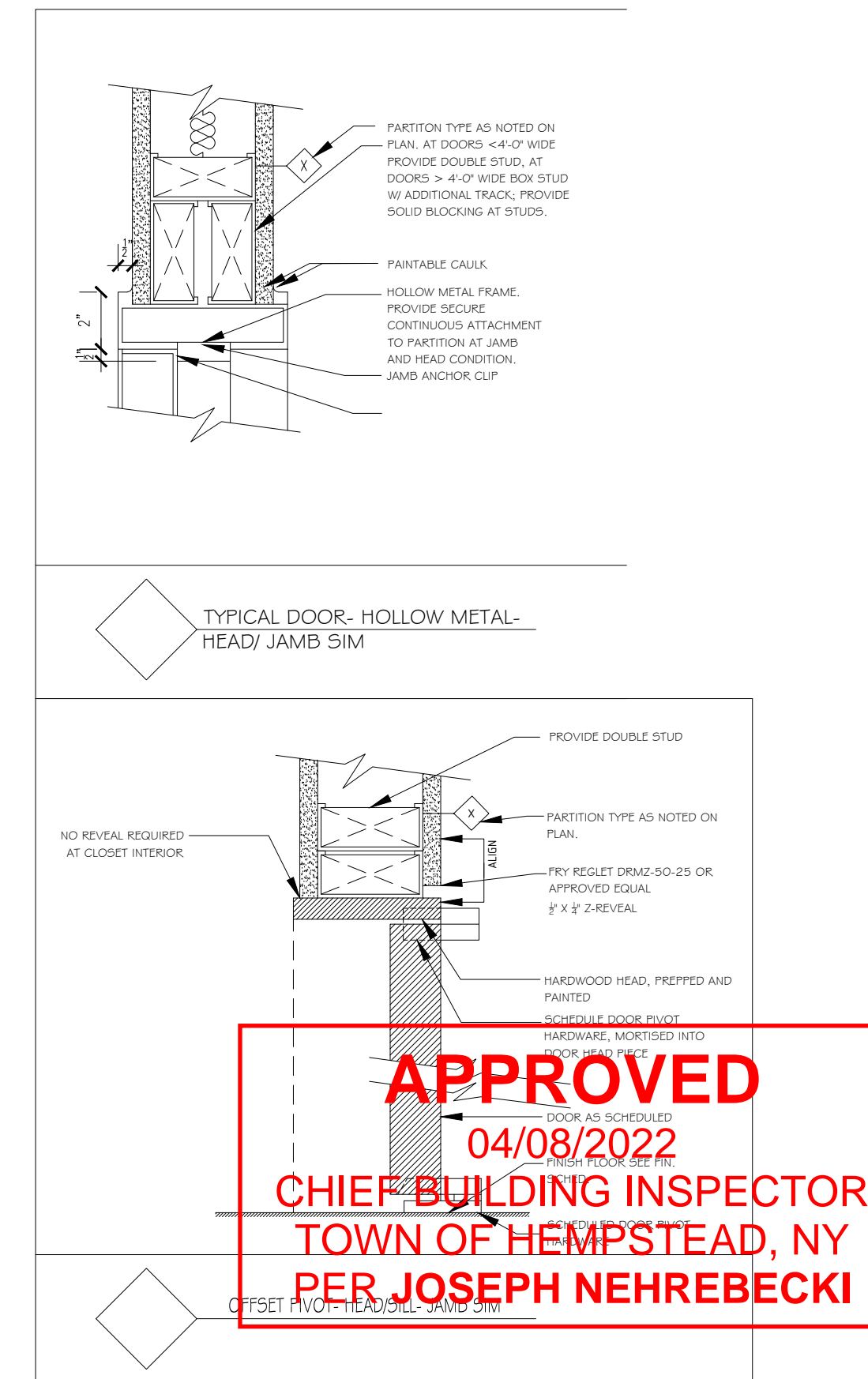


402.4 AIR LEAKAGE (MANDATORY)

PER NYC 2016 ENERGY CODE: 402.4.1
 THE BUILDING THERMAL ENVELOPE SHALL BE DURABLY SEALED TO LIMIT FILTRATION. THE SEALING METHODS BETWEEN SIMILAR MATERIALS SHALL ALLOW FOR DIFFERENTIAL EXPANSION AND CONTRACTION. THE FOLLOWING SHALL BE CAULKED. GASKET, WEATHERS TRIPPED OR OTHERWISE SEALED WITH AN AIR BARRIER MATERIAL. SUITABLE FROM OR SOLID MATERIALS.

- ALL JOINTS, BEAMS AND PENETRATIONS.
- SITE BUILT WINDOWS, FOORS AND SKYLIGHTS.
- OPENINGS BETWEEN WINDOW AND DOOR ASSEMBLIES AND THEIR SUPPORTIVE NAMES AND FRAMING.
- UTILITY PENETRATIONS.
- DROPPED CEILINGS OR CHASES ADJACENT TO THE THERMAL ENVELOPE
- KNEE WALLS.
- WALLS AND CEILINGS SEPARATING A GARAGE FROM CONDITIONED SPACES
- BASIN TUBS AND SHOWERS OR EXTENSION WALLS.
- COMMON WALLS BETWEEN DWELLING UNITS.
- ATTIC ACCESS OPENINGS.
- RIM JOIST JUNCTIONS SILL PLATES AND HEADERS FOAM PASTING (SPRAY FOAM INSULATION) SHALL BE PERMITTED TO BE SPRAY APPLIED TO A SILL PLATE HEADER AND RIM JOISTS WITHOUT THE THERMAL BARRIER AS SPECIFIED IN THE RESIDENTIAL CODE OF NEW YORK STATE. SECTION 314.4 SUBJECT TO ALL OF THE FOLLOWING.
 - THE MAXIMUM THICKNESS OF THE FOAM PALSTIC SHALL BE 24 INCHES.
 - THE DENSITY OF THE FOAM PLASTIC SHALL BE IN THE RANGE OF 0.5 TO 2.0 POUNDS PER CUBIC FOOT.
 - THE FOAM PLASTIC SHALL HAVE A FLAME SPREAD INDEX OF 20 BAR LEGS, AND AN ACCOMPANIED SHALL DEVELOPED INDEX OF 450 BAR LEGS WOOD TESTED IN ACCUMULATE WITH ASTM PP
- OTHER SOURCES OF INFILTRATION.

THE BUILDING SHALL BE TESTED AND VERIFIED AS HAVING AN AIR LEAKAGE RATE NOT EXCEEDING 3 ACH TESTING SHALL BE CONDUCTED IN ACCORDANCE WITH ASTM E 779 OR ASTM E 1827 AND REPORTED AT A PRESSURE OF 0.2 INCH. W.G. (50 PASCAL). TESTING SHALL BE PERFORMED AT ANY TIME AFTER CREATION OF ALL PENETRATION OF THE BUILDING THERMAL ENVELOPE.



Nasir J. Khanzada L.L.C.
 Consulting Engineer

181-24 HILLSIDE AVENUE
 QUEENS, N.Y 11432

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NOTICE:
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NOTE:
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 2-CONTRACTOR TO VERIFY ALL LOCATIONS, DIMENSIONS AND CONDITIONS AT THE JOB. NOTIFY NASIR J. KHANZADA L.L.C. OF ERRORS, OMISSIONS, DISCREPANCIES OR CONFLICTS BEFORE PROCEEDING WITH THE WORK.

NO.	DATE	DESCRIPTION	BY	CHK'D BY

MAP NO.: ---- NORTH ARROW
 SECTION: 36
 BLOCK: 410
 LOT: 82

PROJECT LOCATION:
 1850 GRAND AVENUE
 BALDWIN, NY 11510

WORK DESCRIPTION:
 INTERIOR RENOVATION TO EXISTING COMMERCIAL SPACE AND CHANGE OF USE TO MOSQUE

SHEET TITLE:
 PROPOSED DOOR & WINDOW SCHEDULES, DOOR DETAILS

DEPT. OF BLDGS. JOB NUMBER / SCAN CODE:
 APPLICATION# 20-17156
 TRACKING# 202003321

APPROVAL SEAL & SIGNATURE:

SEAL & SIGNATURE: [Signature]

INITIAL DATE: 11/27/19
 REVISED DATE: 02/19/20
 CHECKED BY INITIALS:
 SCALE: AS SHOWN

SHEET NO.: A-004.00
 7 OF 20

Nasir J. Khanzada L.L.C.
Consulting Engineer

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NO.	DATE	DESCRIPTION	BY	CHK'D BY

MAP NO.:	----	NORTH ARROW
SECTION:	36	
BLOCK:	410	
LOT:	82	

PROJECT LOCATION:
1850 GRAND AVENUE
BALDWIN, NY 11510

WORK DESCRIPTION:
INTERIOR RENOVATION TO EXISTING COMMERCIAL SPACE AND CHANGE OF USE TO MOSQUE

SHEET TITLE:
PROPOSED CELLAR AND FIRST FLOOR REFLECTED CEILING PLAN

DEPT. OF BLDGS. JOB NUMBER / SCAN CODE:
APPLICATION# 20-17156
TRACKING# 202003321

APPROVAL SEAL & SIGNATURE:

SYM	MANUF.	DESCRIPTION	WATTAGE
□		TYPE: 1'x3' BREAKER LED 3000K LIGHT MODEL: 452045 FINISH: DAY LIGHT SIZE: 2' LONG TOTAL LIGHTS PER FIXTURE: 2 FC	0.5 W EACH BULD
□		TYPE: 1'x3' BREAKER LED 3000K LIGHT MODEL: 453336 FINISH: DAY LIGHT SIZE: 4' LONG TOTAL LIGHTS PER FIXTURE: 18 FC	14.5 W EACH BULD 58 W EACH LIGHT
●		TYPE: QUANTUM LED THERMOCHROMATIC EMERGENCY EXIT SIGN, STENCIL-FACED WHITE HOUSING WITH RED LETTERS	3.5 W EACH
U		TYPE: COMPACT FLUORESCENT MODEL: 50042F-W FINISH: ENERGY SAVER TOTAL LIGHTS PER FIXTURE: 7 FC	42 W EACH LIGHT (= 130 W)
Ⓜ		TYPE: RECESSED LIGHT FIXTURE HIGH EFFICIENCY COMPACT FLUORESCENT LAMP	130 V, 15 AMP
S	LUTRON	1 WAY SWITCH	120 V, 15 AMP

SEAL & SIGNATURE:


INITIAL DATE:
11/27/19

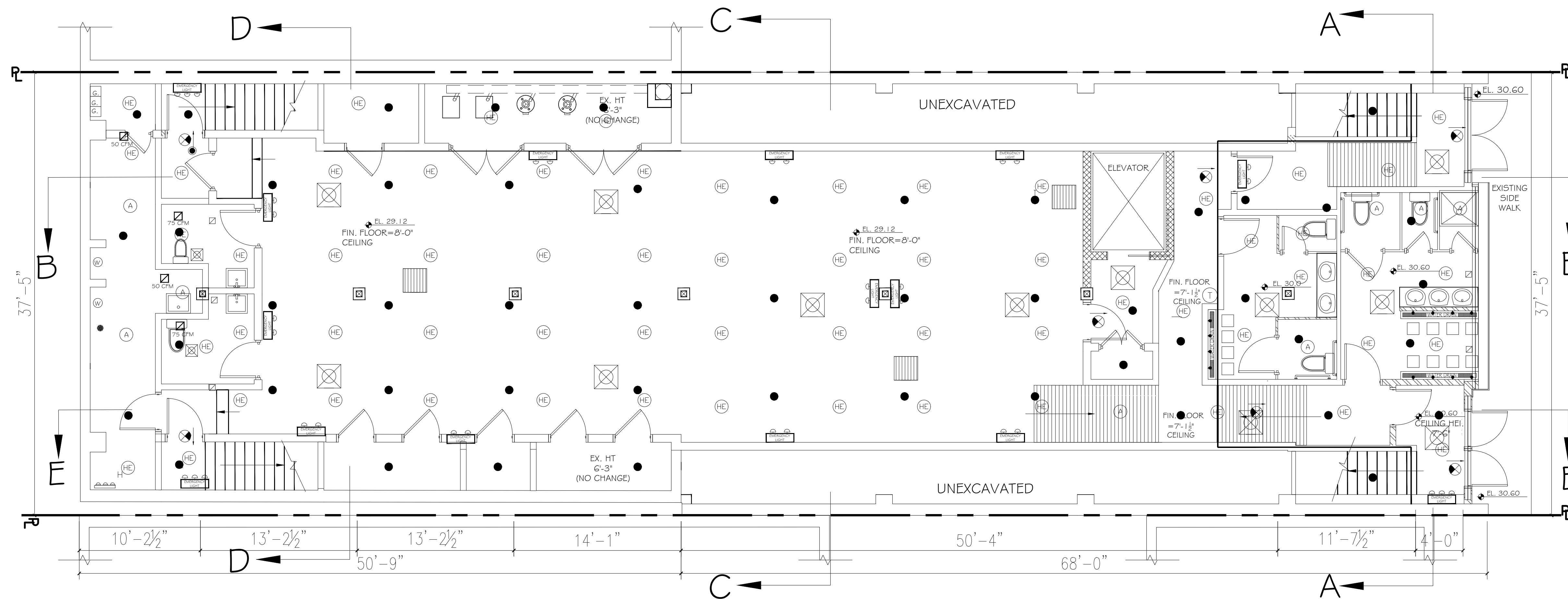
REVISED DATE:
07/20/2020

CHECKED BY INITIALS:

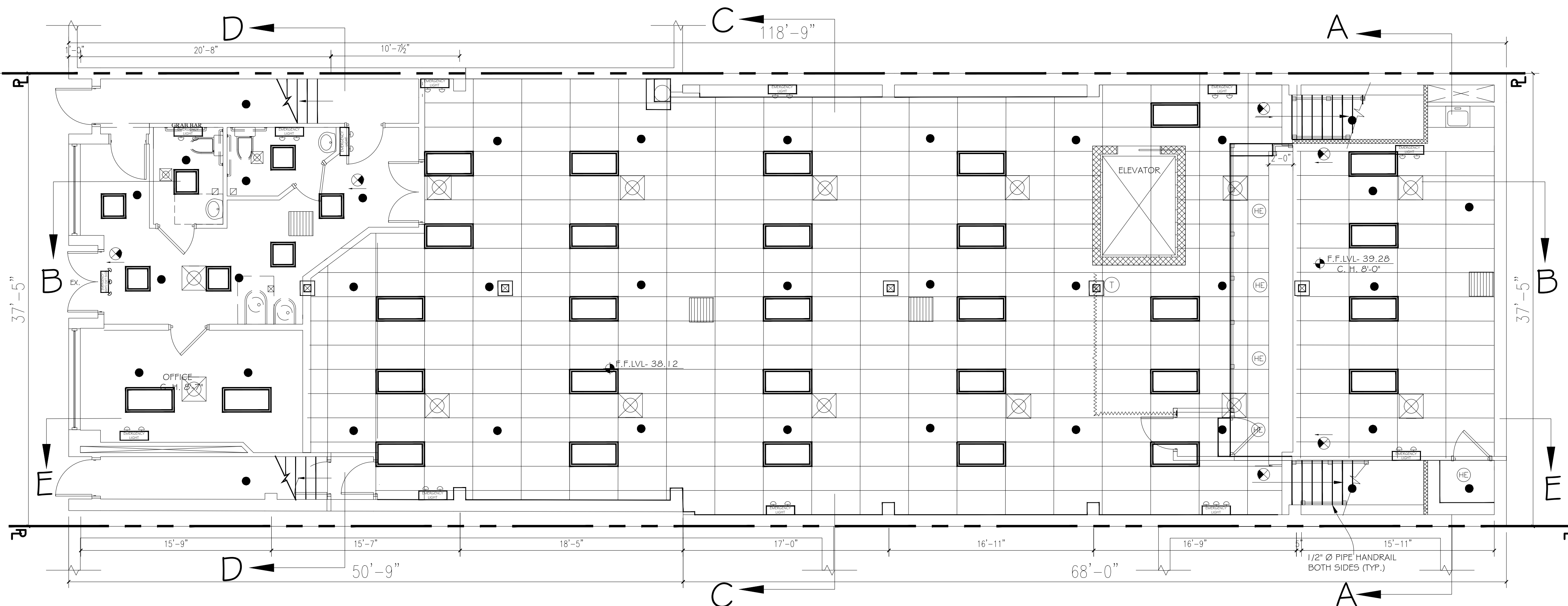
SCALE:
AS SHOWN

SHEET NO.:
A-005.00

8 OF 20



PROPOSED CELLAR REFLECTED CEILING PLAN
SCALE: 3/16" = 1'-0"



PROPOSED FIRST FLOOR REFLECTED CEILING PLAN
SCALE: 3/16" = 1'-0"

SYM	MANUF.	DESCRIPTION	WATTAGE
□		TYPE: 1'x3' BREAKER LED 3000K LIGHT MODEL: 452045 FINISH: DAY LIGHT SIZE: 2' LONG TOTAL LIGHTS PER FIXTURE: 2 FC	0.5 W EACH BULD
□		TYPE: 1'x3' BREAKER LED 3000K LIGHT MODEL: 453336 FINISH: DAY LIGHT SIZE: 4' LONG TOTAL LIGHTS PER FIXTURE: 18 FC	14.5 W EACH BULD 58 W EACH LIGHT
●		TYPE: QUANTUM LED THERMOCHROMATIC EMERGENCY EXIT SIGN, STENCIL-FACED WHITE HOUSING WITH RED LETTERS	3.5 W EACH
U		TYPE: COMPACT FLUORESCENT MODEL: 50042F-W FINISH: ENERGY SAVER TOTAL LIGHTS PER FIXTURE: 7 FC	42 W EACH LIGHT (= 130 W)
Ⓜ		TYPE: RECESSED LIGHT FIXTURE HIGH EFFICIENCY COMPACT FLUORESCENT LAMP	130 V, 15 AMP
S	LUTRON	1 WAY SWITCH	120 V, 15 AMP

APPROVED
04/08/2022
CHIEF BUILDING INSPECTOR
TOWN OF HEMPSTEAD, NY
PER JOSEPH NEHREBECKI

Nasir J. Khanzada L.L.C.
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NO.	DATE	DESCRIPTION	BY	CHK'D BY

MAP NO.:	----	NORTH ARROW
SECTION:	36	
BLOCK:	410	
LOT:	82	

PROJECT LOCATION:
1850 GRAND AVENUE
BALDWIN, NY 11510

WORK DESCRIPTION:
INTERIOR RENOVATION TO EXISTING COMMERCIAL SPACE AND CHANGE OF USE TO MOSQUE

SHEET TITLE:
PROPOSED FOUNDATION AND CELLAR FRAMING PLAN

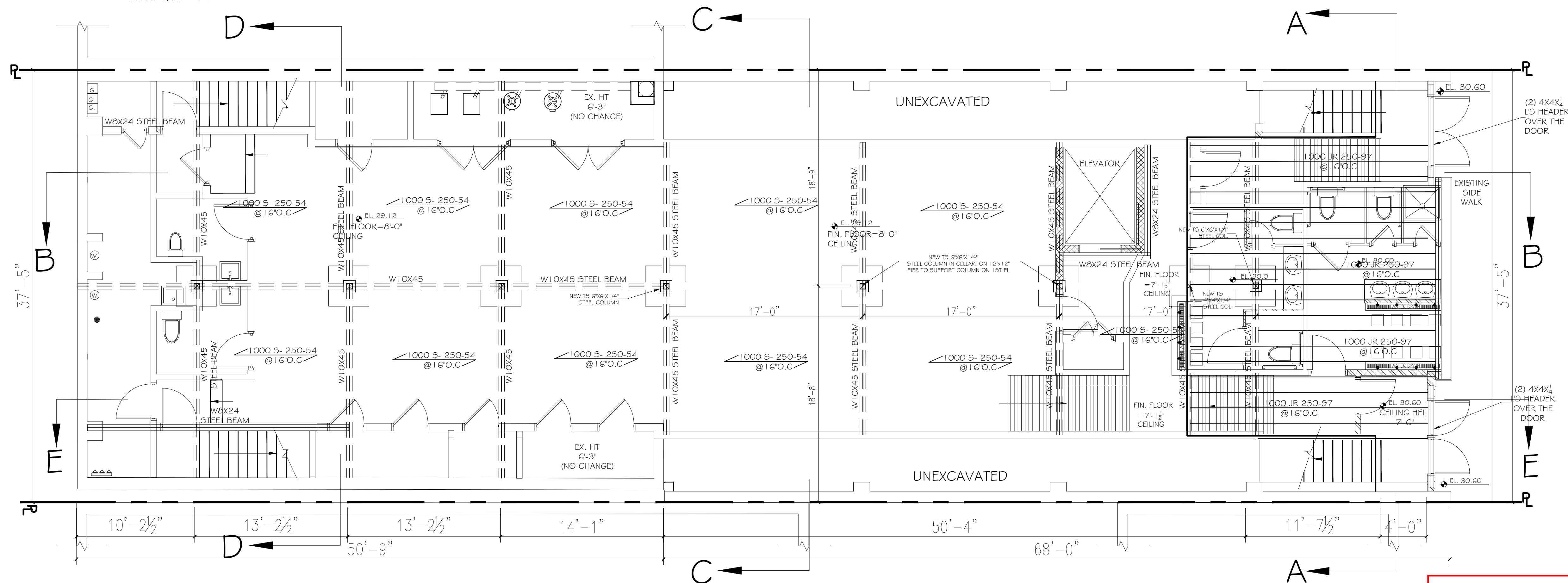
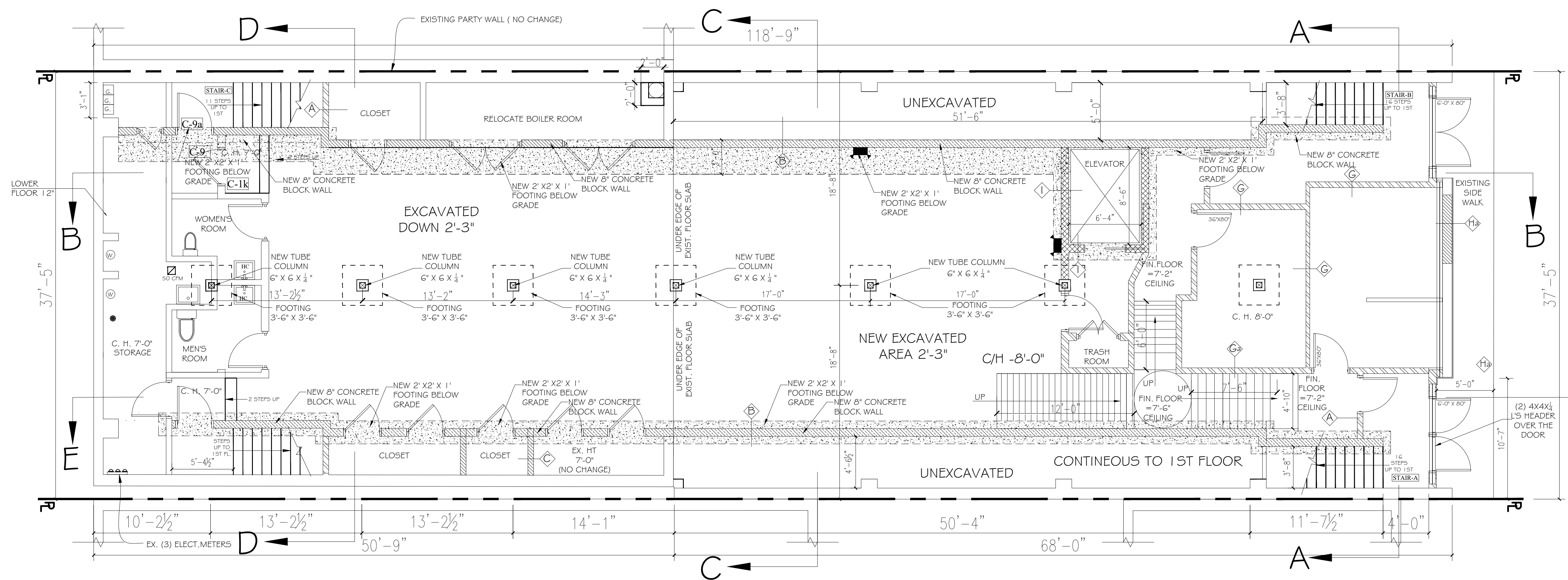
DEPT. OF BLDGS. JOB NUMBER / SCAN CODE:
APPLICATION# 20-17156
TRACKING# 202003321

APPROVAL SEAL & SIGNATURE:

SEAL & SIGNATURE:

INITIAL DATE:
11/27/19
REVISED DATE:
02/19/20
CHECKED BY INITIALS:
SCALE:
AS SHOWN

SHEET NO.:
S-001.00
9 OF 20



APPROVED
04/08/2022
CHIEF BUILDING INSPECTOR
TOWN OF HEMPSTEAD, NY
PER JOSEPH NEHREBECKI

GENERAL NOTES:

- THE STRUCTURAL STEEL IS DESIGNED IN ACCORDANCE WITH AISC STEEL CONSTRUCTION MANUAL, 14TH EDITION, WHICH CORRESPONDS TO THE 2010 AISC SPECIFICATION (ANSI/AISC 360-10)
- ALL CONTRACTOR'S WORK SHALL BE PERFORMED IN A MANNER TO FOLLOW THE 2016 NYS UNIFORM CODE, THE 2016 NYS ENERGY CONSERVATION CONSTRUCTION CODE AND ALL STATE AND LOCAL CODES AND REGULATIONS.
- ALL STRUCTURAL STEEL SHALL BE AS FOLLOWS:
W SHAPES: ASTM A992 - 50 KSI
STRUCTURAL TUBING: ASTM A500 GRADE B&C - 46 KSI
1 1/2" ROUND: A500 GRADE B&C - 42 KSI.
ALL CAP PLATES AND BASE PLATES: A572 GRADE 50.
MISCELLANEOUS PLATE MATERIAL: A36 (IE. WEB SPLICE PLATES, GUSSETS, ETC.)
- DECK PANELS TO MEET ASTM A792 GRADE 50 WITH A MINIMUM YIELD STRENGTH OF 50 KSI.
- ALL WASHERS AND NUTS TO MEET ASTM F436 AND ASTM A325 RESPECTIVELY.
- ALL WELDING, UNLESS NOTED OTHERWISE, SHALL BE PERFORMED IN THE SHOP PRIOR TO SHIPMENT. ALL FIELD WELDS MUST BE PERFORMED BY CERTIFIED WELDERS. ALL WELDING TO COMPLY WITH AWS D1.1 "STRUCTURAL WELDING CODE-STEEL" WITH E70XX ELECTRODES.
- ALL STRUCTURAL STEEL CONNECTORS AND SPLICES ARE TO BE PRIMED AFTER ERECTION.

BOLT NOTES:

ALL A325 AND A490 BOLTED CONNECTIONS SHALL BE INSTALLED WITH "TURN-OF-NUT" METHOD, AS DEFINED IN SECTION 8.1 OF THE RCSC SPECIFICATION FOR STRUCTURAL JOINTS USING ASTM A325 OR A490 H.S. BOLTS, DEC. 31, 2009, CONTAINED IN PART 16, SPECIFICATIONS AND CODES OF THE AISC STEEL CONSTRUCTION MANUAL, 14TH EDITION.

SECTION 8.2.1: TABLE 8.2, TURN-OF-NUT PRETENSIONING:

- ALL BOLTS SHALL BE BROUGHT TO A SNUG TIGHTNESS, DEFINED AS THE TIGHTNESS ATTAINED BY THE FULL EFFORT OF A MAN USING AN ORDINARY SPUD WRENCH.
- ALL BOLTS IN A CONNECTION SHALL THEN BE TIGHTENED ADDITIONALLY BY A NUT OR BOLT ROTATION (THERE SHALL BE NO ROTATION OF THE PART NOT TURNED BY THE WRENCH) OF THE FOLLOWING, PER TABLE 8.2:
BOLT LENGTH UP TO AND INCLUDING 4 DIAMETERS - 1/3 TURN (BOTH FACES NORMAL TO BOLT AXIS)
BOLT LENGTH OVER 4 AND LESS THAN 8 DIAMETERS - 1/2 TURN (BOTH FACES NORMAL TO BOLT AXIS)

FOOTER NOTES:

- MAINTAIN TOPS OF ALL FOOTERS AT THE SAME ELEVATION +/- 1/4" UNLESS OTHERWISE NOTED.
- CONCRETE FOUNDATIONS, BY GENERAL CONTRACTOR, SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH OF 3000 PSI AT 28 DAYS. THE COCRETE MIX SHALL HAVE A MINIMUM SLUMP OF 3" AND A MAXIMUM SLUMP OF 6".
- COLUMNS ARE TO BE LOCATED IN THE CENTER OF THE FOUNDATION WITH COLUMNS CENTER TO CENTER SPACING CONFIRMED USING A TRANSIT. ANCHOR BOLT SPACINGS ARE TO BE VERIFIED BEFORE CONCRETE PLACEMENT.
- STEEL REINFORCEMENT TO MEET ASTM A615 GRADE 40 FOR # 4 REBAR # GRADE 60 FOR #5 REBAR OR GREATER.
- THE FOUNDATION DESIGN INCORPORATES A SOIL BEARING PRESSURE OF 2,000 PSF AND A PASSIVE SOIL PRESSURE OF 200 PSF/FT. THE FOOTING IS RECOMMENDED TO BE BACKFILLED USING ENGINEERED FILL IN 8" LAYERS TO 95% COMPACTED. CONSULT YOUR LOCAL SOIL ENGINEER FOR SITE-SPECIFIC CONDITIONS. NO BURIED TANKS OR OTHER STRUCTURES MAY BE LOCATED SUCH THAT THEY HINDER THE PROPER FUNCTION AND INTEGRITY OF THE FOOTER. IF THE SITE CONTAINS QUESTIONABLE SOIL CONDITIONS, SOIL BORINGS MUST BE PERFORMED WITH A COPY OF THE FINAL REPORT FORWARDED TO THE ENGINEER OF RECORD FOR FINAL DESIGN OF FOUNDATIONS PRIOR TO CONSTRUCTION.
- A NON-SHRINK HIGH STRENGTH GROUT IN ACCORDANCE WITH ASTM C827 SHALL BE USED BETWEEN THE BASE PLATE AND FOOTING WITH A THICKNESS RANGE OF 1" TO 2" GROUT TO BE INSTALLED BY FOUNDATION CONTRACTOR. USE TAMM5 GROUT SUPREME OR APPROVED EQUAL.

ERECTION NOTES:

- ELEVATION OF LEVELING MUST BE SET WITH A TRANSIT LEVEL DURING CONSTRUCTION.
- ALL STEEL (IE: COLUMNS, PURTINGS, MAIN BEAMS) MUST BE CHECKED CLOSELY TO VERIFY THAT IT IS PLUMB, SQUARE AND LEVEL AFTER IT HAS BEEN ERECTED AND BEFORE FINAL ADJUSTMENT.
- ALL ASTM A325 BOLTS SHALL BE INSTALLED PER THE 2009 RCSC SPECIFICATION FOR STRUCTURAL JOINTS USING ASTM A325 OR A490 BOLTS.
- ALL BRACING, (SAGS, LATERALS, ETC) MUST BE INSTALLED PRIOR TO THE INSTALLATION OF THE DECK PANELS.

IBC 2015 SECTION 2204 CONNECTIONS

- 2204.1 WELDING: THE DETAILS OF DESIGN, WORKMANSHIP AND TECHNIQUE FOR WELDING AND QUALIFICATION OF WELDING PERSONNEL SHALL BE IN ACCORDANCE WITH THE SPECIFICATIONS LISTED IN SECTIONS 2205, 2206, 2207, 2208, 2210 AND 2211. FOR SPECIAL INSPECTION OF WELDING, SEE SECTION 1705.2.
- 2204.2 BOLTING: THE DESIGN, INSTALLATION AND INSPECTION OF BOLTS SHALL BE IN ACCORDANCE WITH THE REQUIREMENTS OF SECTIONS 2205, 2206, 2207, 2208, 2210 AND 2211. FOR SPECIAL INSPECTION OF THE INSTALLATION OF HIGH-STRENGTH BOLTS, SEE SECTION 1705.2.
- 2204.3 ANCHOR RODS: ANCHOR RODS SHALL BE SET IN ACCORDANCE WITH APPROVED CONSTRUCTION DOCUMENTS. THE PROTRUSION OF THE THREADED ENDS THROUGH THE CONNECTED MATERIAL SHALL FULLY ENGAGE THE THREADS OF THE NUTS BUT SHALL NOT BE GREATER THAN THE LENGTH OF THE THREADS ON THE BOLTS.

IBC 2016 SECTION 2205

IBC PER 2205: THE DESIGN, FABRICATION AND ERECTION OF STRUCTURAL, STEEL, ELEMENTS IN BUILDING STRUCTURE AND PORTIONS THERE OF SHALL BE IN ACCORDANCE WITH AISC 360

2016 NYS IBC 2015 SECTION 2210 COLD-FORMED STEEL

2210.1 GENERAL: THE DESIGN OF COLD-FORMED CARBON AND LOW-ALLOY STEEL STRUCTURAL MEMBERS SHALL BE IN ACCORDANCE WITH AISI S100. THE DESIGN OF COLD-FIRMED STAINLESS-STEEL STRUCTURAL MEMBERS SHALL BE IN ACCORDANCE WITH ASCE 8. COLD-FORMED STEEL LIGHT-FRAME CONSTRUCTION SHALL ALSO COMPLY WITH SECTION 2211. WHERE REQUIRED, THE SEISMIC DESIGN OF COLD-FORMED STEEL STRUCTURES SHALL BE IN ACCORDANCE WITH THE ADDITIONAL PROVISIONS OF SECTION 2210.2.

2210.1.1 STEEL DECKS: THE DESIGN AND CONSTRUCTION OF COLD FORMED STEEL DECKS SHALL BE ACCORDANCE WITH THIS SECTION.

2210.1.1.1 NONCOMPOSITE STEEL FLOOR DECKS: NONCOMPOSITE STEEL FLOOR DECKS SHALL BE PERMITTED TO BE DESIGNED AND CONSTRUCTED IN ACCORDANCE WITH ANSI/SDI-NC1.0.

2210.1.1.2 STEEL ROOF DECK: STEEL ROOF DECKS SHALL BE PERMITTED TO BE DESIGNED AND CONSTRUCTED IN ACCORDANCE WITH ANSI/SDI-RD1.0

2210.1.1.3 COMPOSITE SLABS ON STEEL DECKS: COMPOSITE SLABS OF CONCRETE AND STEEL DECK SHALL BE PERMITTED TO BE DESIGNED AND CONSTRUCTED IN ACCORDANCE WITH SDI-C.

2210.2 SEISMIC REQUIREMENTS FOR COLD-FORMED STEEL STRUCTURES: WHERE A RESPONSE MODIFICATION COEFFICIENT, R, IN ACCORDANCE WITH ASCE 7, TABLE 12.2-1, IS USED FOR THE DESIGN OF COLD-FORMED STEEL STRUCTURES, THE STRUCTURES SHALL BE DESIGNED AND DETAILED IN ACCORDANCE WITH THE REQUIREMENTS OF AISI S100, ASCE 8, OR FOR COLD-FORMED STEEL SPECIAL-BOLTED MOMENT FRAMES, AISI S110.

REQUIRED SPECIAL INSPECTIONS

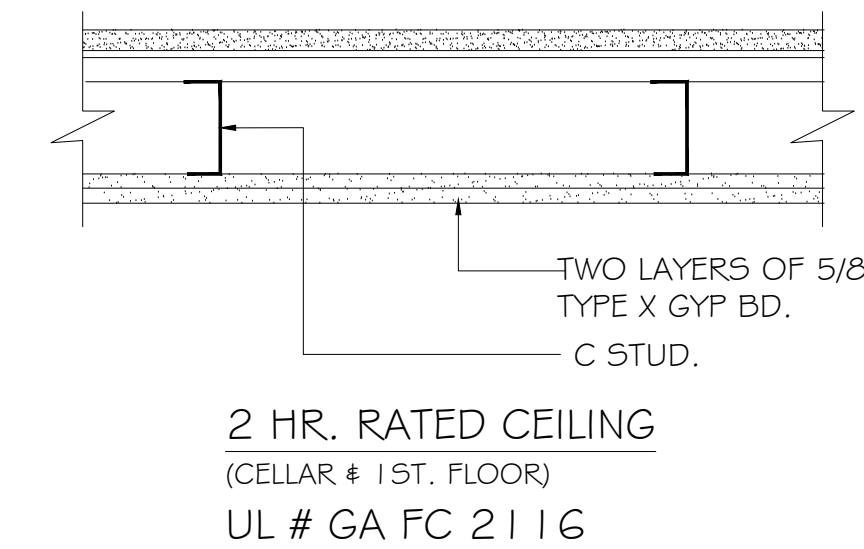
TYPE	CONTINUOUS SPECIAL INSPECTION	PERIODIC SPECIAL INSPECTION	REFERENCED STANDARD
COLD FORM STEEL DECK	1705.2.3		SDI QA/QC
WELDING OF REINFORCEMENT BARS	-----	X	AWS D1.4
STRUCTURAL STEEL ERECTION	1705.2.1		AISC 360

TABLE 1705.2.3
REQUIRED SPECIAL INSPECTIONS OF OPEN-WEB STEEL JOISTS AND JOIST GIRDERS

TYPE	CONTINUOUS SPECIAL INSPECTION	PERIODIC SPECIAL INSPECTION	REFERENCED STANDARD
I. INSTALLATION OF OPEN-WEB STEEL JOISTS AND GIRDERS.			
a. END CONNECTIONS - WELDING OR BOLTED.	-----	X	SJI SPECIFICATIONS LISTED IN SECTION 2207.1.
b. BRIDGING - HORIZONTAL OR DIAGONAL.	-----		

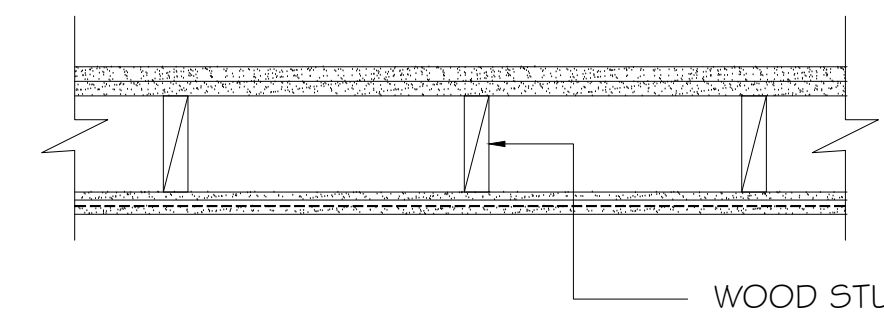
BASE LAYER 5/8" TOUGH ROCK FIRE GUARD X OR 5/8" DENS ARMOR PLUS FIREGUARD APPLIED PERPENDICULAR TO CHANNEL, MINIMUM 7 1/4" DEEP 1 1/2" GAUGE GALVANIZED STEEL JOISTS 1 1/2" WITH 1" TYPE S-12 DRYWELL SCREWS 12" END JOINTS LOCATED MIDWAY BETWEEN JOISTS AND STAGGERED BETWEEN RAWS.

FACE LAYER 5/8" TOUGH ROCK FIREGUARD X GYPSUM BOARD APPLIED OR 5/8" DENS ARMOR PLUS FIREGUARD APPLIED PERPENDICULAR TO JOISTS WITH 1-7/8" TYPE S-12 DRYWELL SCREWS 12" O.C. PLACED 2" BACK ON EITHER SIDE OF END JOINTS. END JOINTS LOCATED MIDWAY BETWEEN JOISTS AND ALL JOISTS OFFSET 24" FROM BASE LAYER JOINTS. JOISTS SUPPORTING 2 1/2" GAUGE CORRUGATED STEEL DECK AND 2 1/2" CONCRETE SLAB MEASURED FROM THE BOTTOM OF THE FLUTES. JOISTS BRACED AT MID SPAN WITH CONTINUOUS 2" 1 1/2" GAUGE GALVANIZED STEEL STRAPS ATTACHED TO THE BOTTOM FLANGE OF EACH JOIST WITH ONE 3/8" JOIST WITH ONE 3/8" TYPE S-12 FAN HEAD SCREWS.



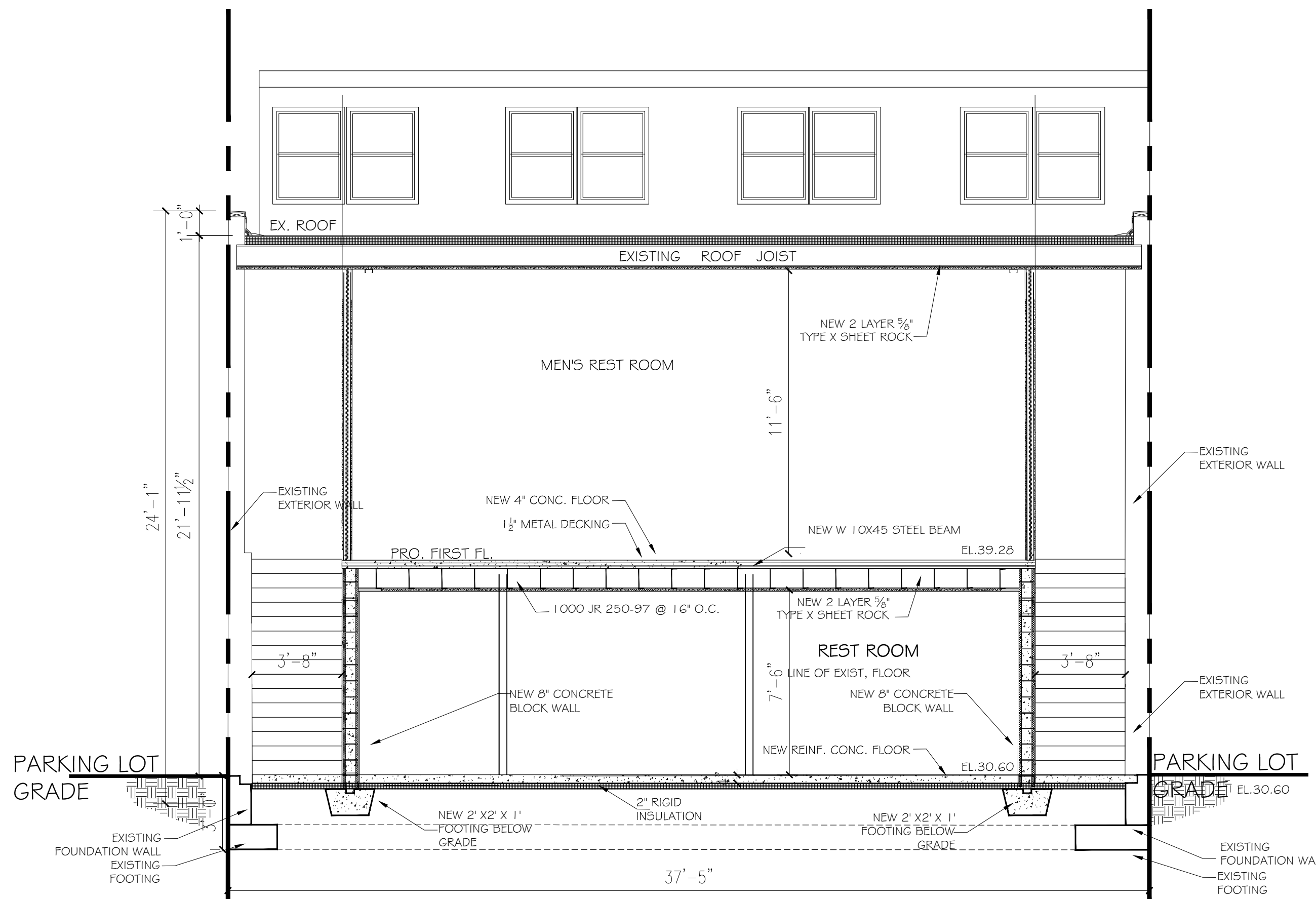
BASE LAYER 5/8" TOUGH ROCK FIREGUARD C GYPSUM BD. OR 5/8" DENS ARMOR PLUS FIREGUARD C (UL L505 ONLY) APPLIED PERPENDICULAR TO 2"x10" WOOD JOISTS 16" WITH 2 1/2" 8d CEMENT COATED NAILS 7" RESILIENT CHANNEL 24" O.C. APPLIED PERPENDICULAR TO WOOD FRAMING THROUGH BASE LAYER WITH 2 1/2" SCREWS. DOUBLE CHANNEL INSTALLED AT FACE LAYER END JOINTS.

FACE LAYER 5/8" TOUGH ROCK FIREGUARD C GYPSUM BOARD APPLIED OR 5/8" DENS ARMOR PLUS FIREGUARD C (UL L505 ONLY) APPLIED PERPENDICULAR TO RESILIENT CHANNELS WITH 1" TYPE S SCREWS 12" WOOD JOISTS SUPPORTING 1" NOMINAL T&G WOOD SUB FLOOR AND 1" NOMINAL WOOD FINISH FLOOR OR 1 1/2" PLYWOOD SUB FLOOR AND 3/8" PLYWOOD FINISH FLOOR APPLIED PERPENDICULAR TO JOISTS WITH JOINTS STAGGERED.



2 HR. RATED CEILING (1ST. & 2ND. FLOOR CEILING) (UL # L505, ULC M503, CUL U505, GA FC 3724)

APPROVED
04/08/2022
CHIEF BUILDING INSPECTOR
TOWN OF HEMPSTEAD, NY
PER JOSEPH NEHREBECKI



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

Nasir J. Khanzada L.L.C.
Consulting Engineer

181-24 HILLSIDE AVENUE
QUEENS, N.Y 11432

PHONE NO.: (212) 380-1543
FAX NO.: (718) 989-9200

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NO.	DATE	DESCRIPTION	BY	CHK'D BY

MAP NO.:	----	NORTH ARROW
SECTION	36	
BLOCK:	410	
LOT:	82	

PROJECT LOCATION:
1850 GRAND AVENUE
BALDWIN, NY 11510

WORK DESCRIPTION:
INTERIOR RENOVATION TO EXISTING COMMERCIAL SPACE AND CHANGE OF USE TO MOSQUE

SHEET TITLE:
GENERAL NOTES, INSPECTIONS CHART & SECTION A-A

DEPT. OF BLDGS. JOB NUMBER / SCAN CODE:
APPLICATION# 20-17156
TRACKING# 202003321

APPROVAL SEAL & SIGNATURE:

SEAL & SIGNATURE:	INITIAL DATE: 11/27/19
	REVISED DATE: 02/19/20
	CHECKED BY INITIALS:
	SCALE: AS SHOWN

SHEET NO.:
S-002.00
10 OF 20

Nasir J. Khanzada L.L.C.
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SECTION:	36	
BLOCK:	410	
LOT:	82	

PROJECT LOCATION:
1850 GRAND AVENUE
BALDWIN, NY 11510

WORK DESCRIPTION:
INTERIOR RENOVATION TO
EXISTING COMMERCIAL
SPACE AND CHANGE OF USE
TO MOSQUE

SHEET TITLE:
SECTION B-B, C-C,
D-D & E-E

DEPT. OF BLDGS. JOB NUMBER / SCAN CODE:
APPLICATION# 20-17156
TRACKING# 202003321

APPROVAL SEAL & SIGNATURE:

SEAL & SIGNATURE: INITIAL DATE:
11/27/19

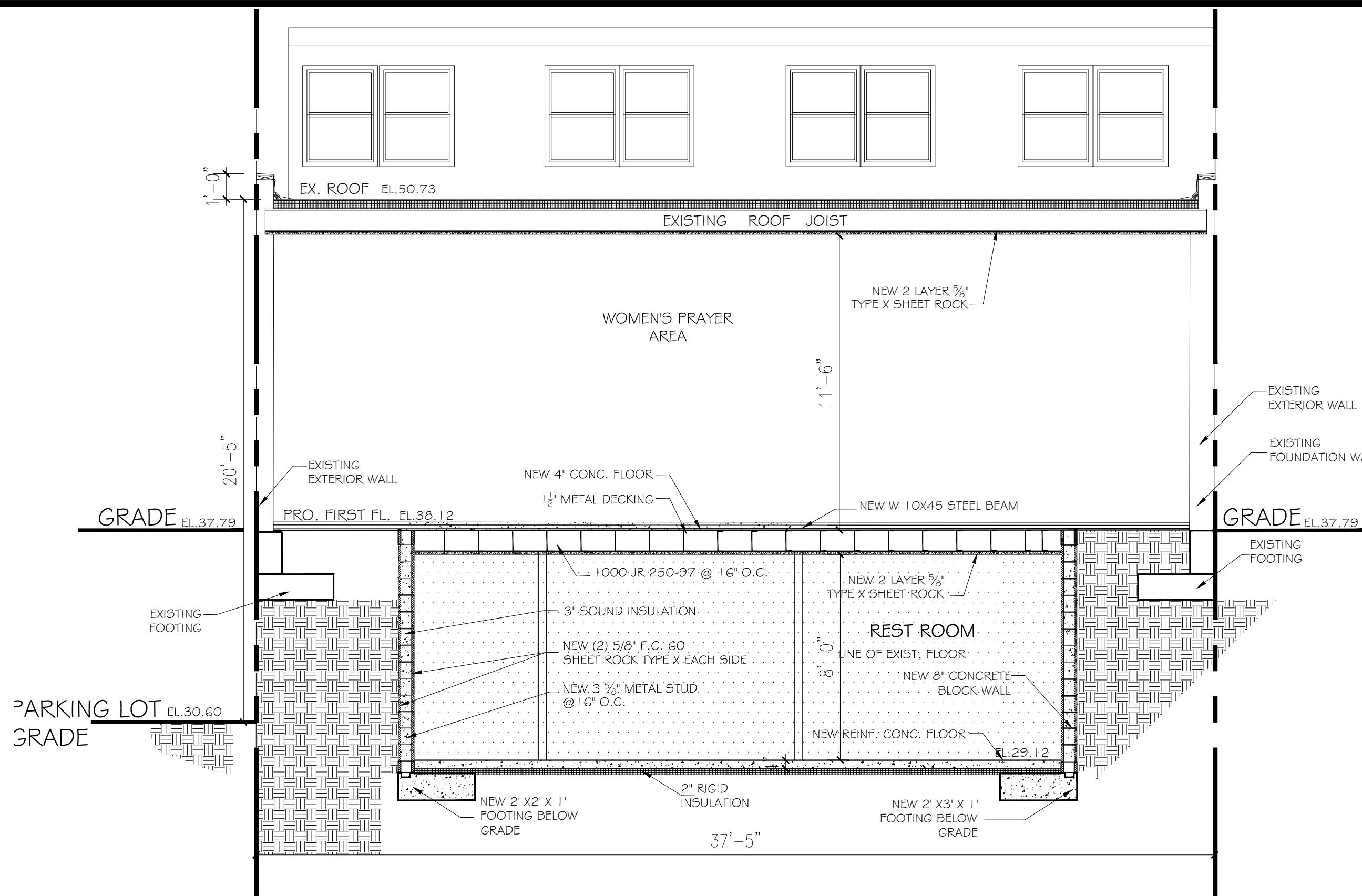
REVISD DATE:
12/22/21

CHECKED BY INITIALS:

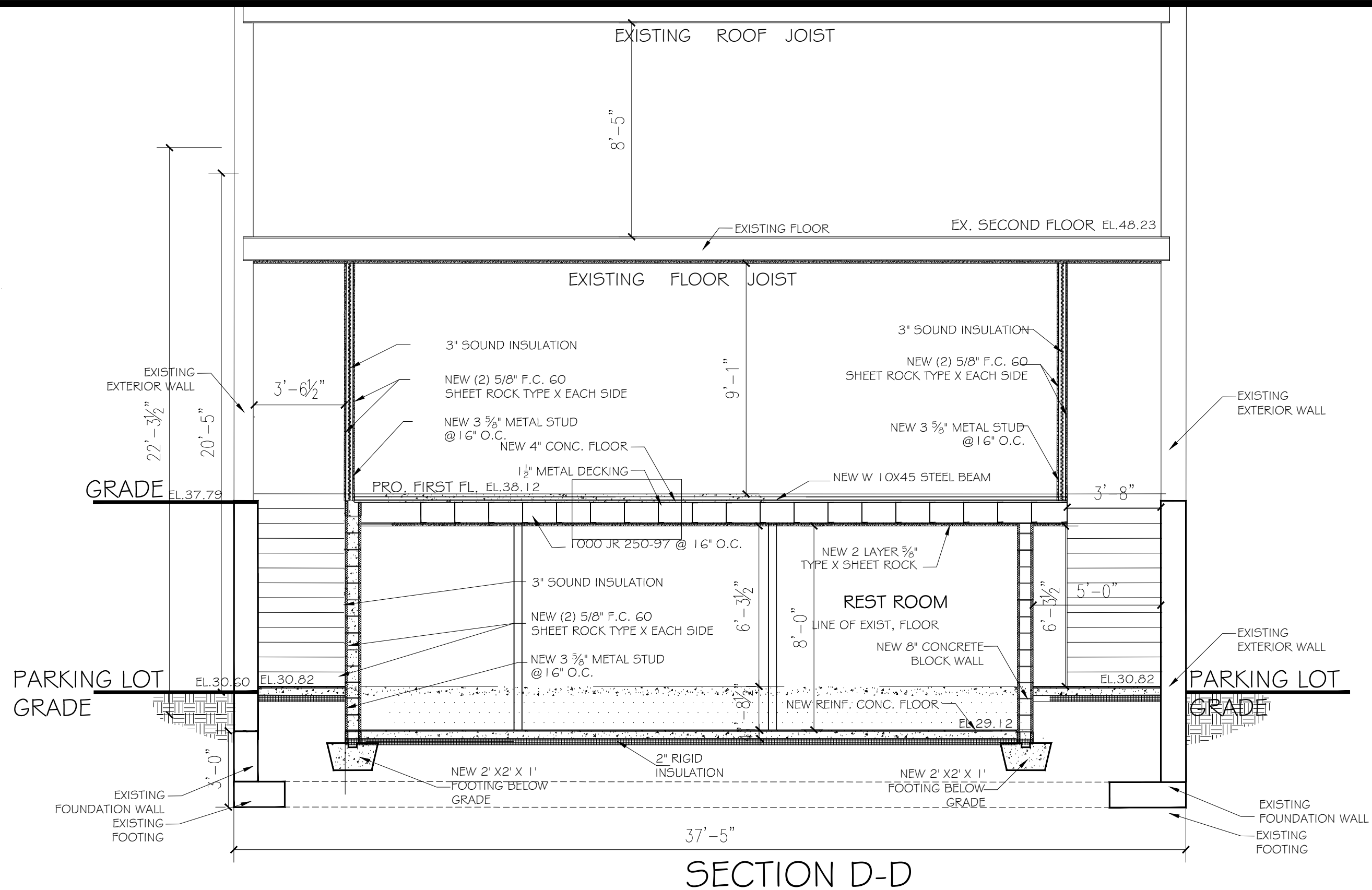
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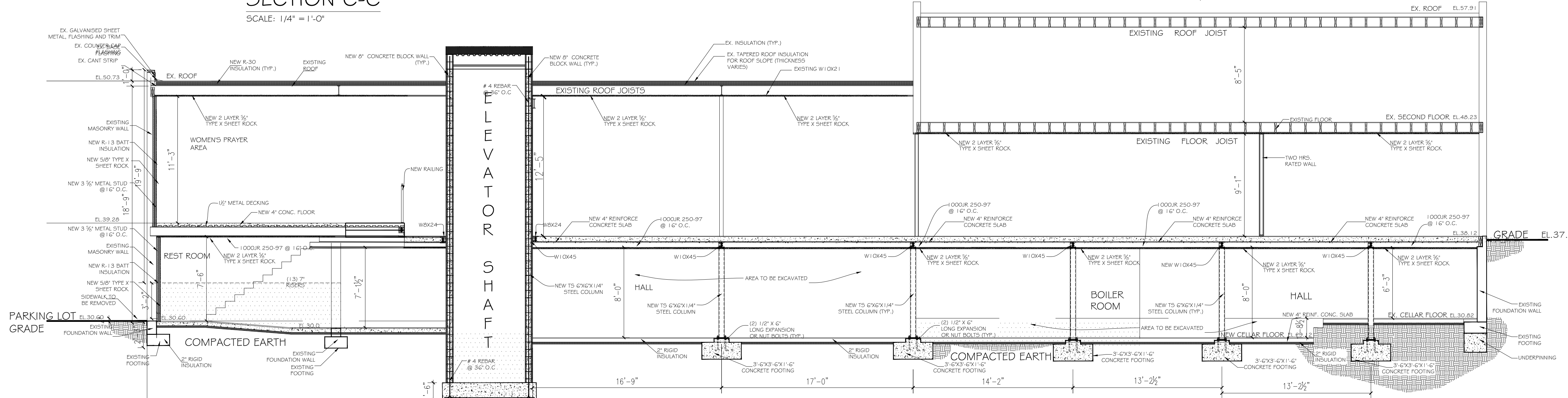
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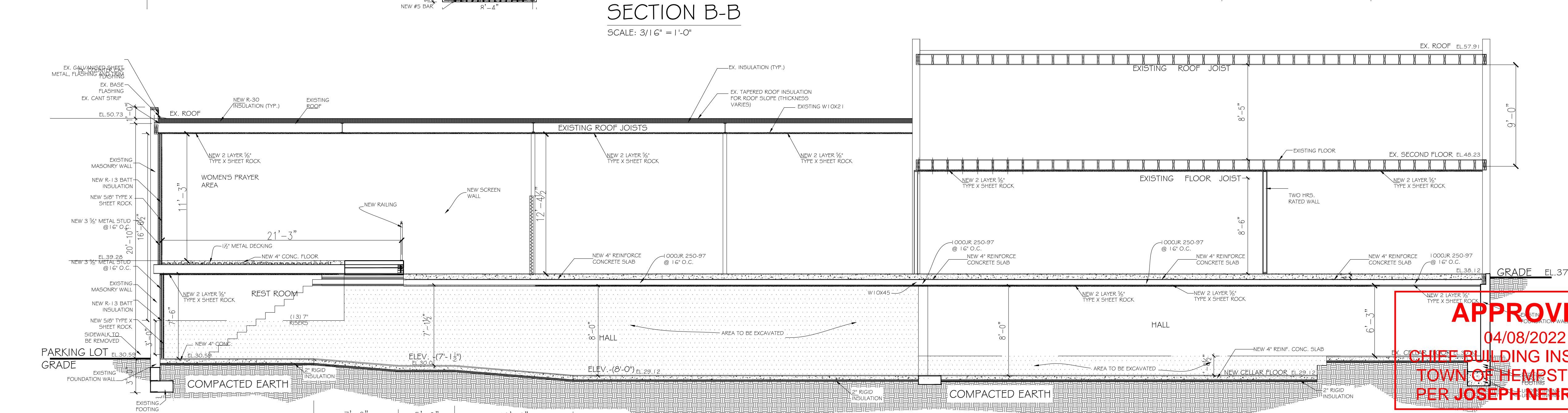
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SECTION D-D
SCALE: 1/4" = 1'-0"



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



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

APPROVED
04/08/2022
CHIEF BUILDING INSPECTOR
TOWN OF HEMPSTEAD, NY
PER JOSEPH NEHREBECKI

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NO.	DATE	DESCRIPTION	BY	CHK'D BY

MAP NO.:	----	NORTH ARROW
SECTION:	36	
BLOCK:	410	
LOT:	82	

PROJECT LOCATION:
**1850 GRAND AVENUE
BALDWIN, NY 11510**

WORK DESCRIPTION:
**INTERIOR RENOVATION TO
EXISTING COMMERCIAL
SPACE AND CHANGE OF USE
TO MOSQUE**

SHEET TITLE:
**CONCRETE & STEEL FRAMING
DETAILS**

DEPT. OF BLDGS. JOB NUMBER / SCAN CODE:
**APPLICATION# 20-17156
TRACKING# 202003321**

APPROVAL SEAL & SIGNATURE:

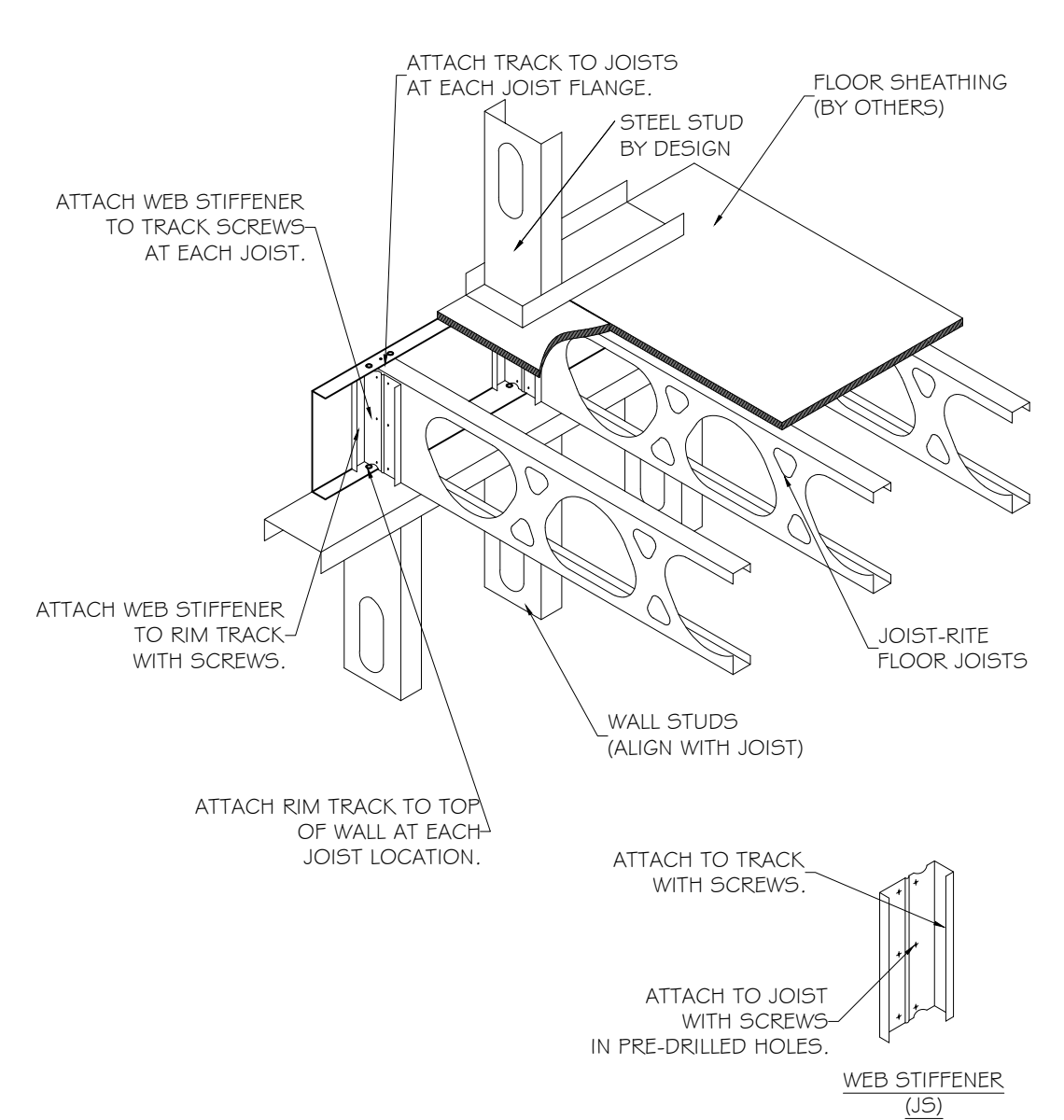
SEAL & SIGNATURE:  INITIAL DATE:
11/27/19

REVISD DATE:
02/19/20

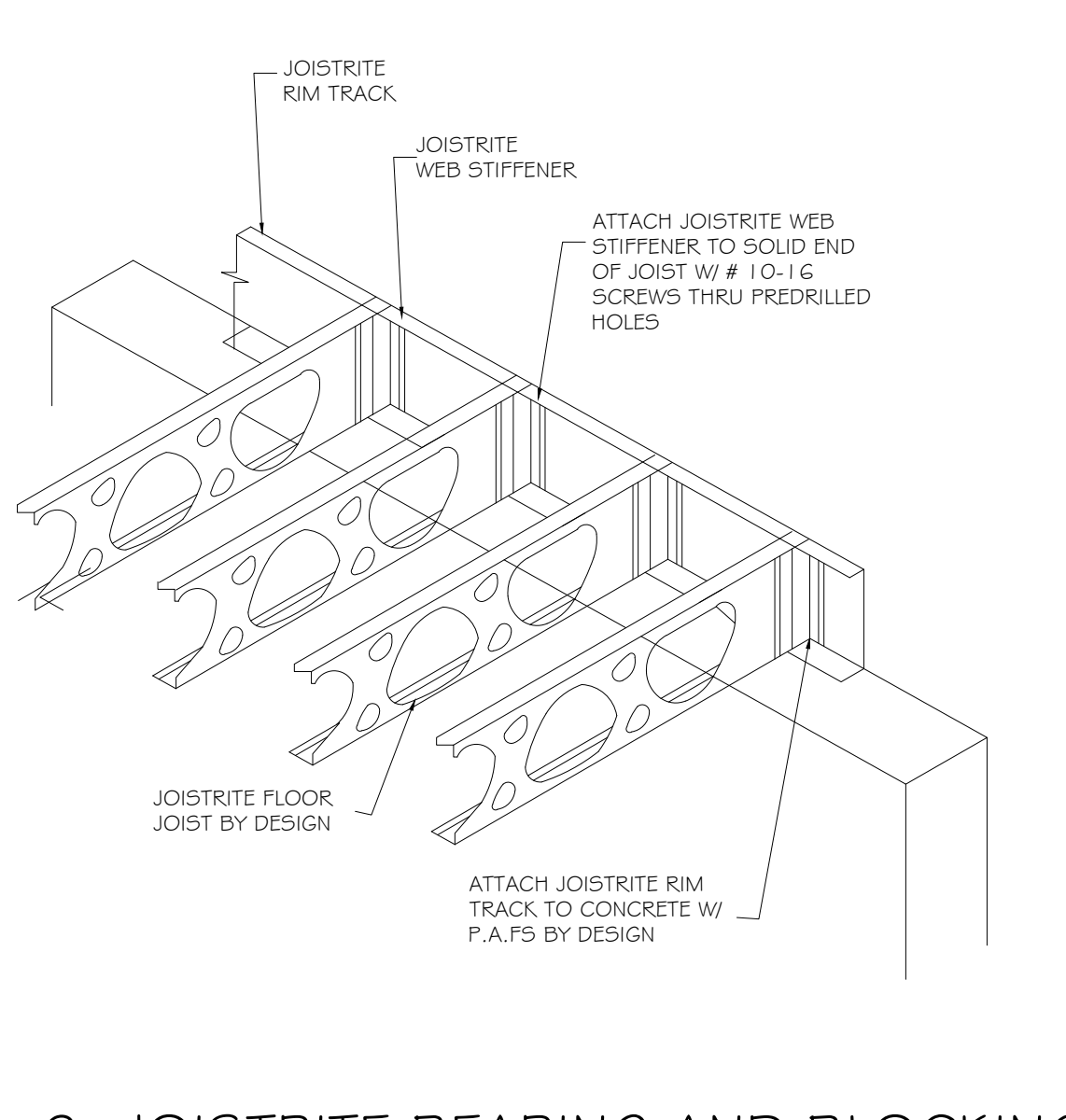
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SCALE:
AS SHOWN

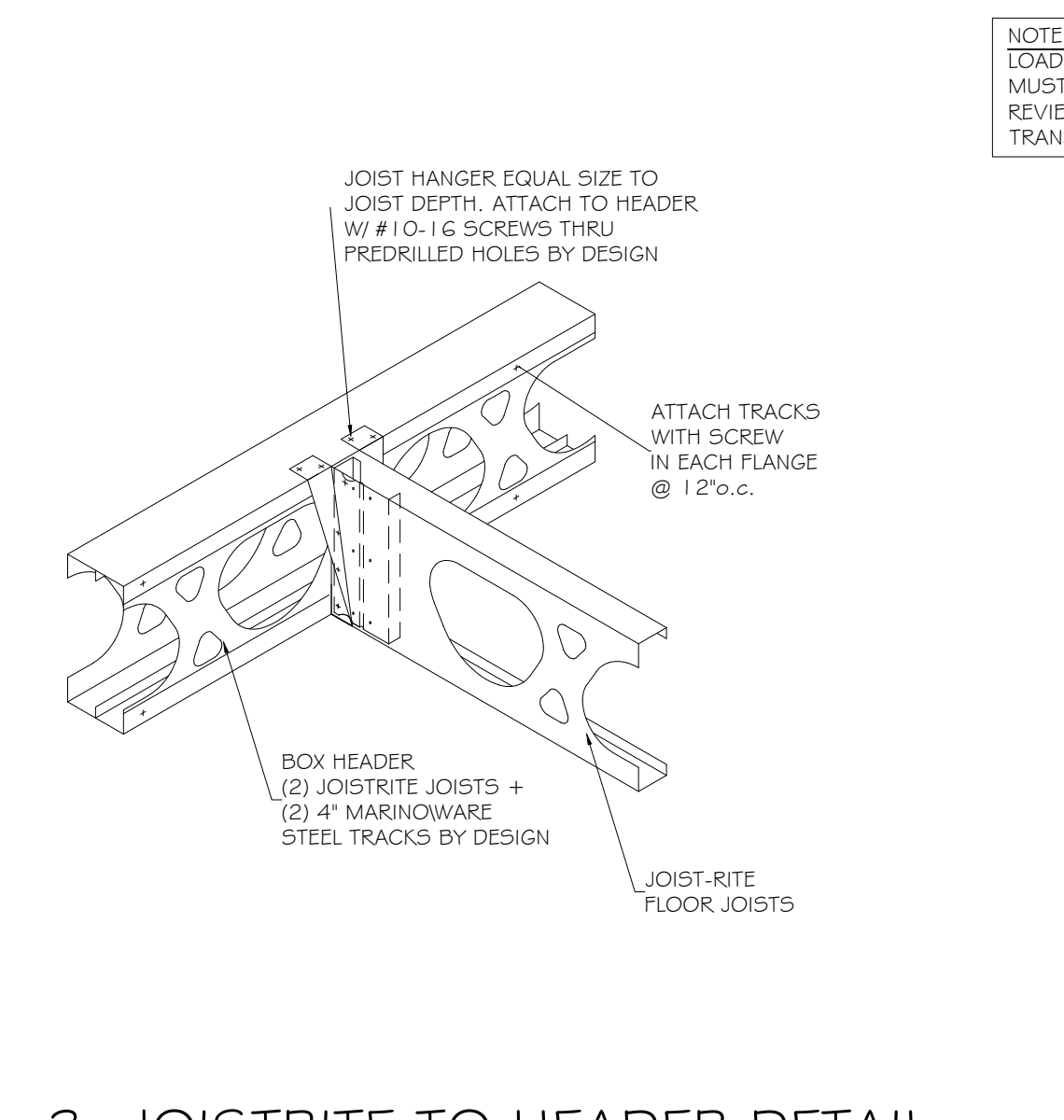
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S-005.00



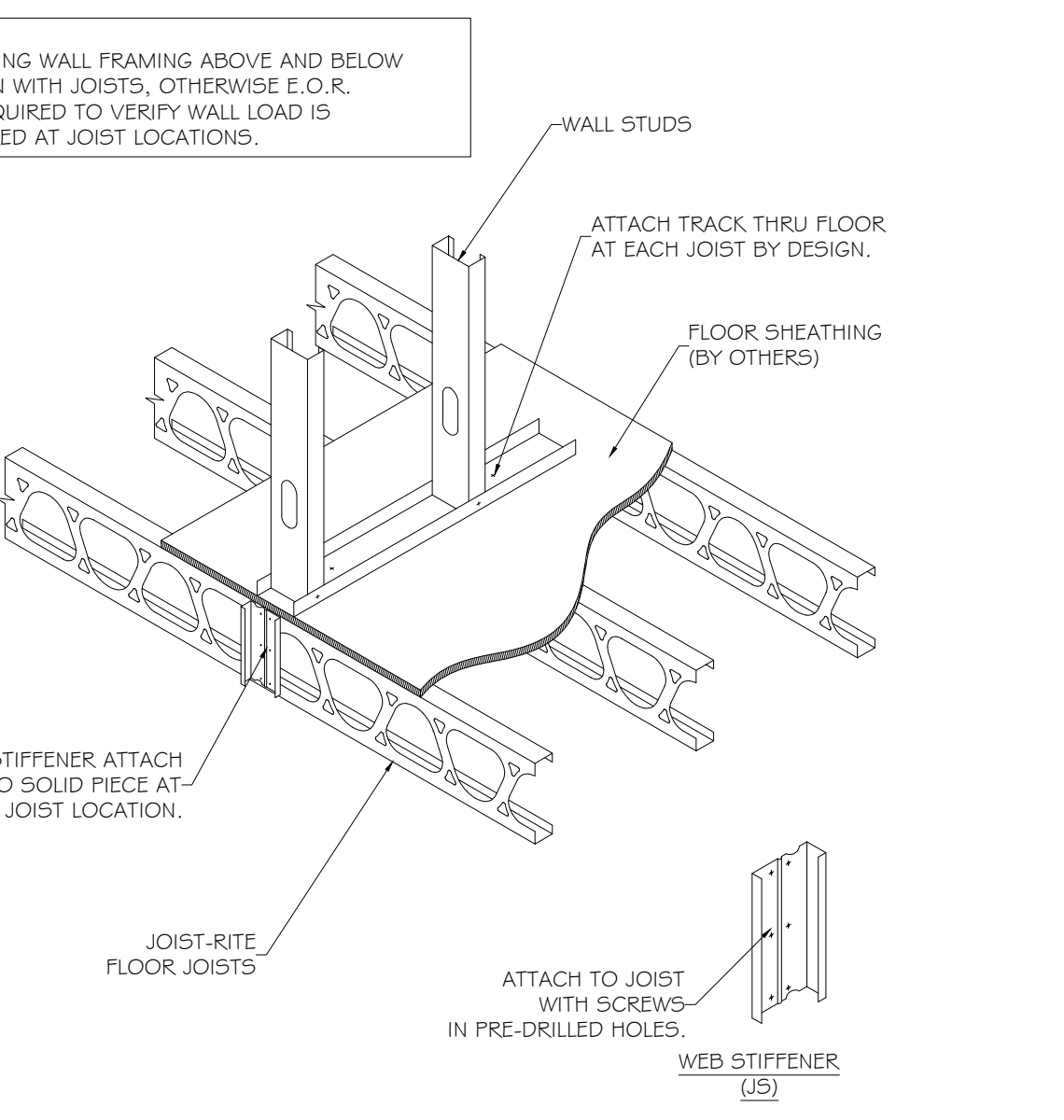
1. JOISTRITE BEARING ON STEEL STUD



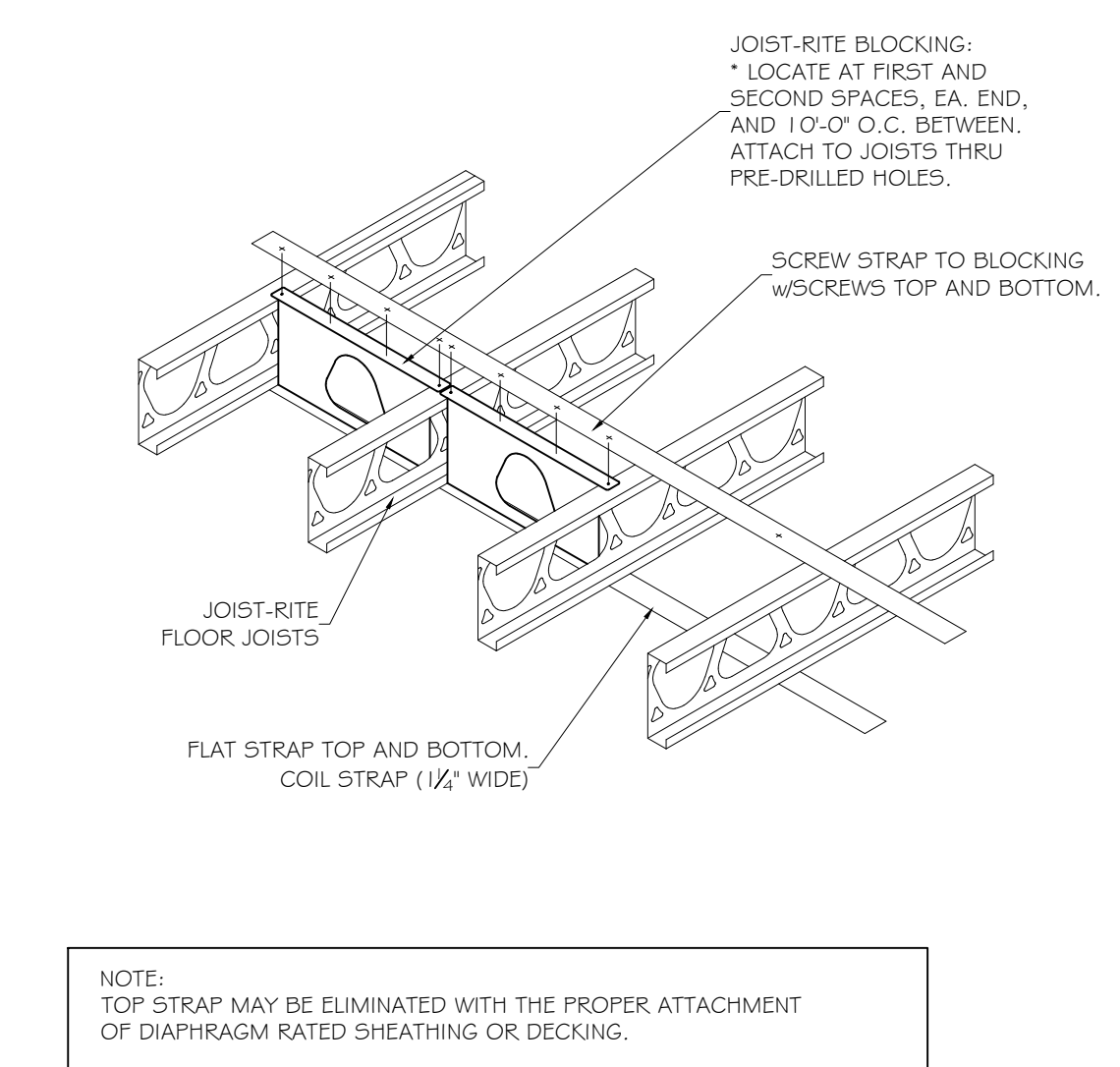
2. JOISTRITE BEARING AND BLOCKING



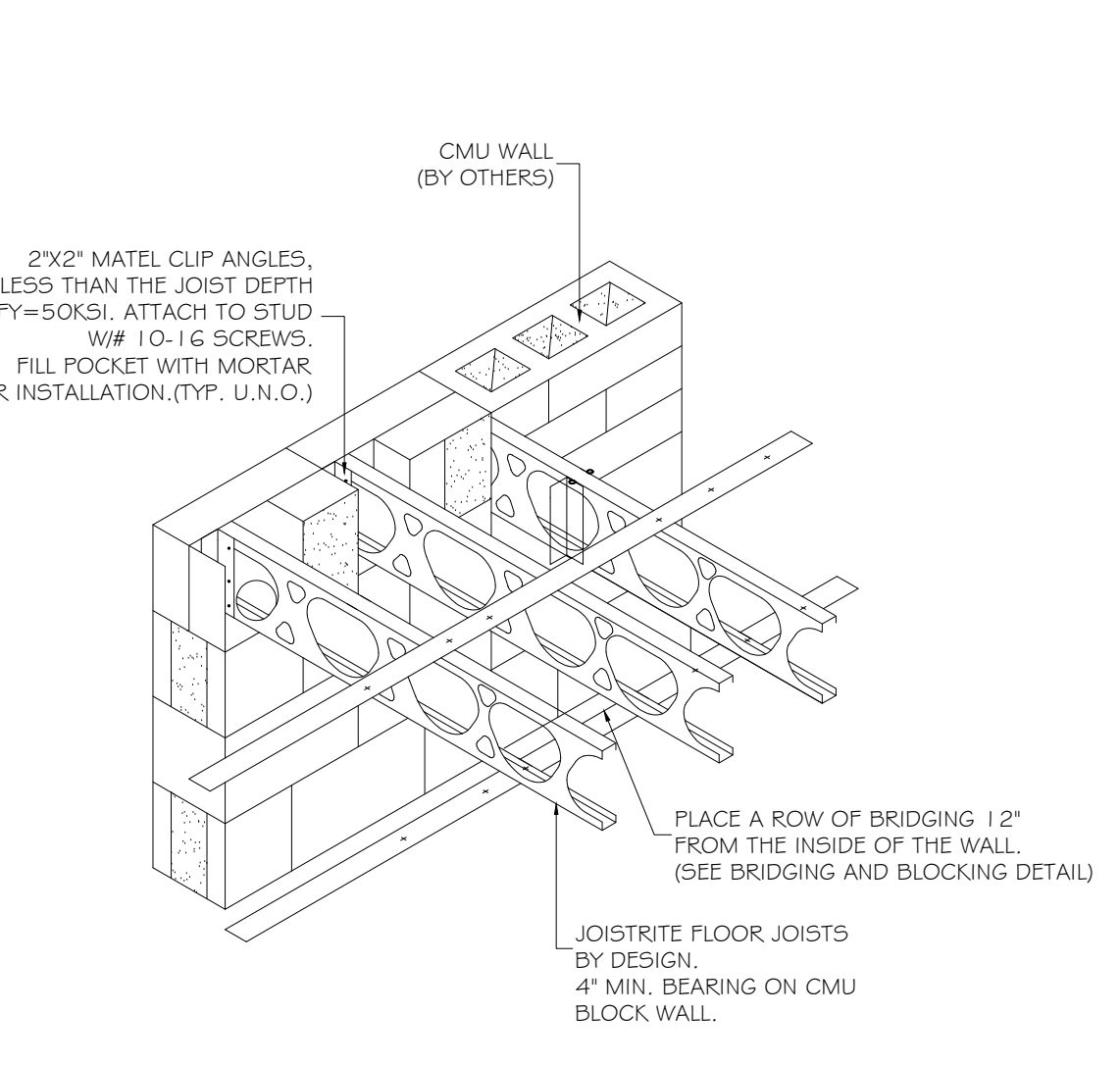
3. JOISTRITE TO HEADER DETAIL



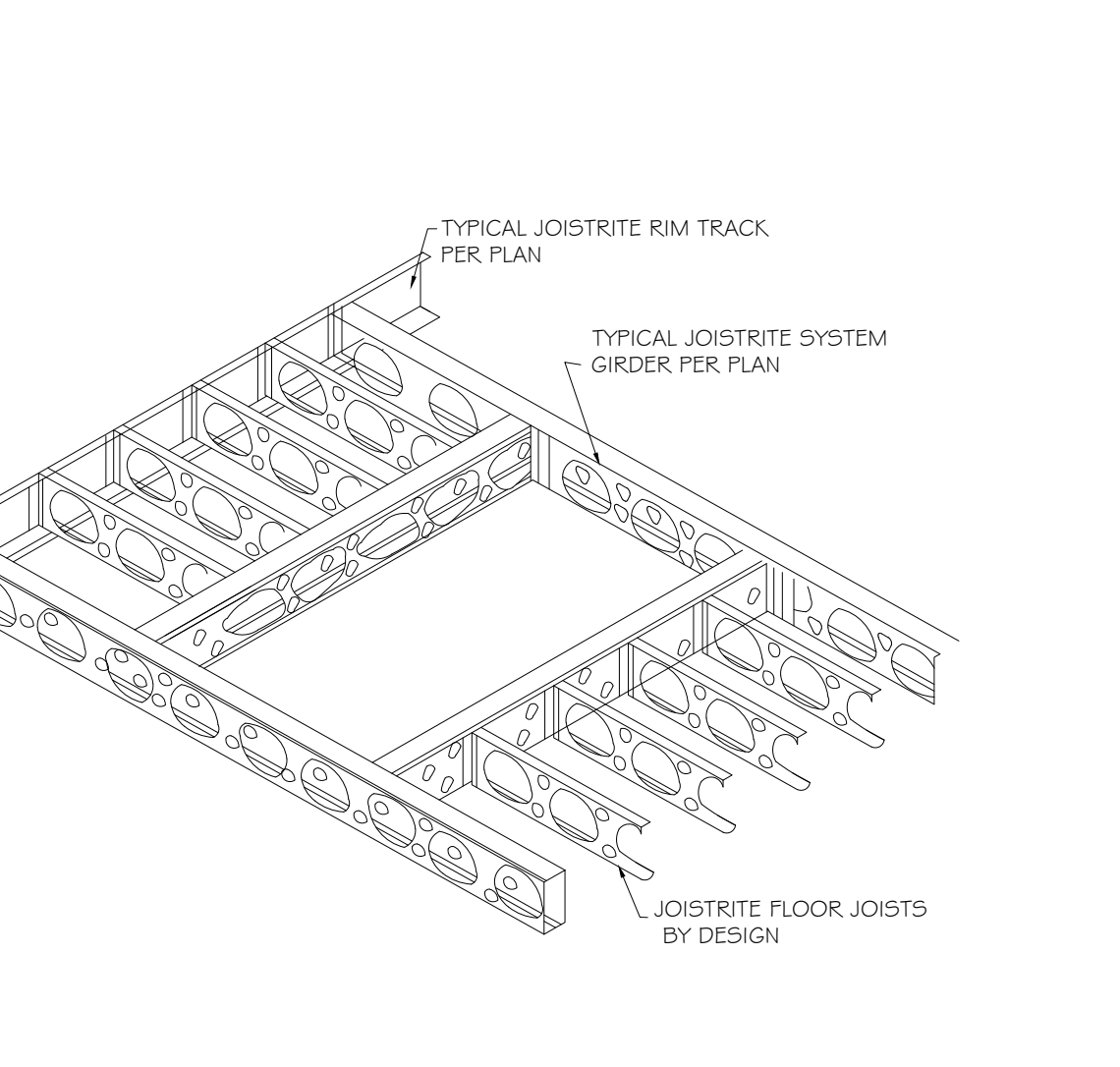
4. BEARING WALL ON JOISTRITE



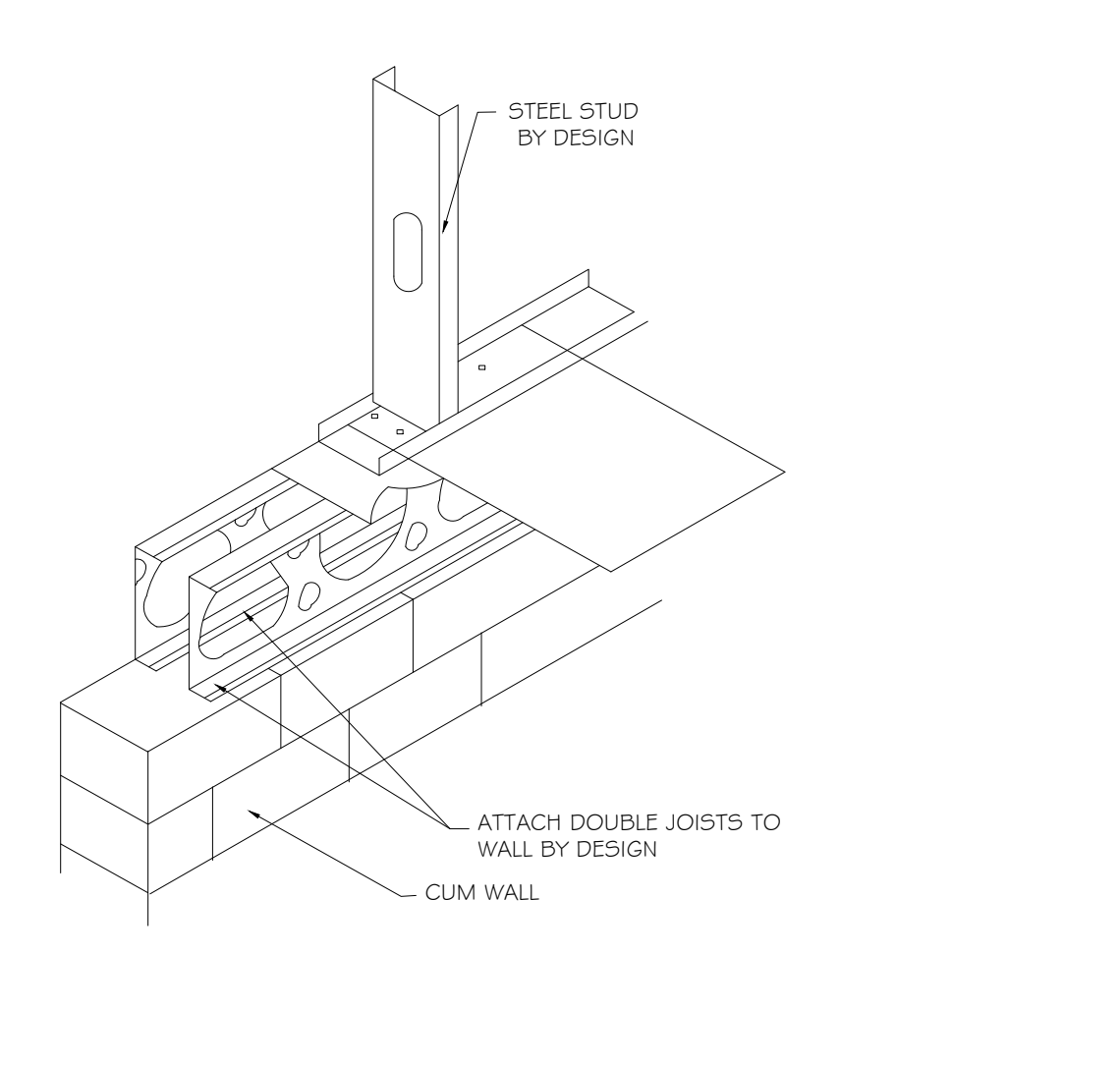
5. JOISTRITE BLOCKING (JB)



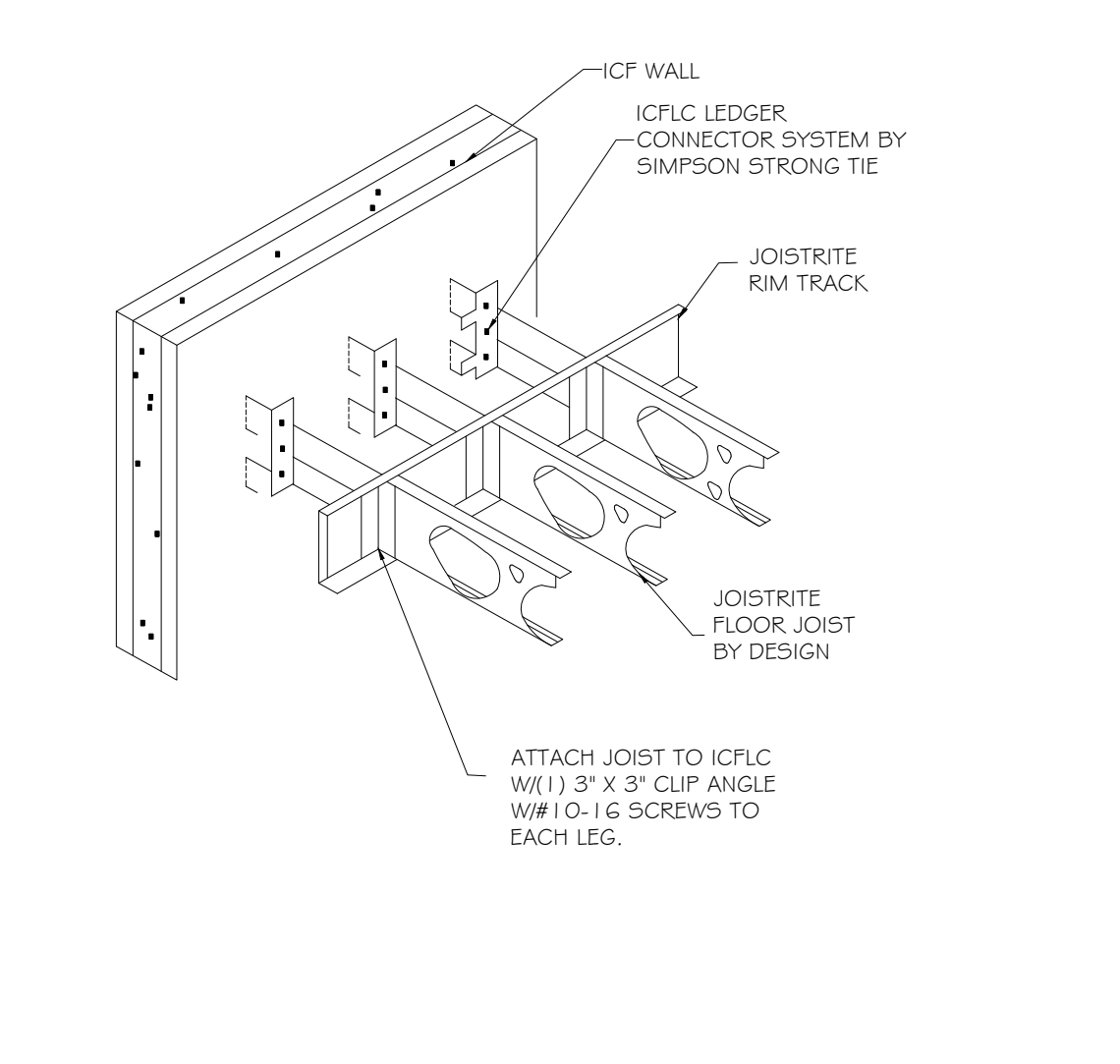
6. JOISTRITE BEARING ON CMU WALL



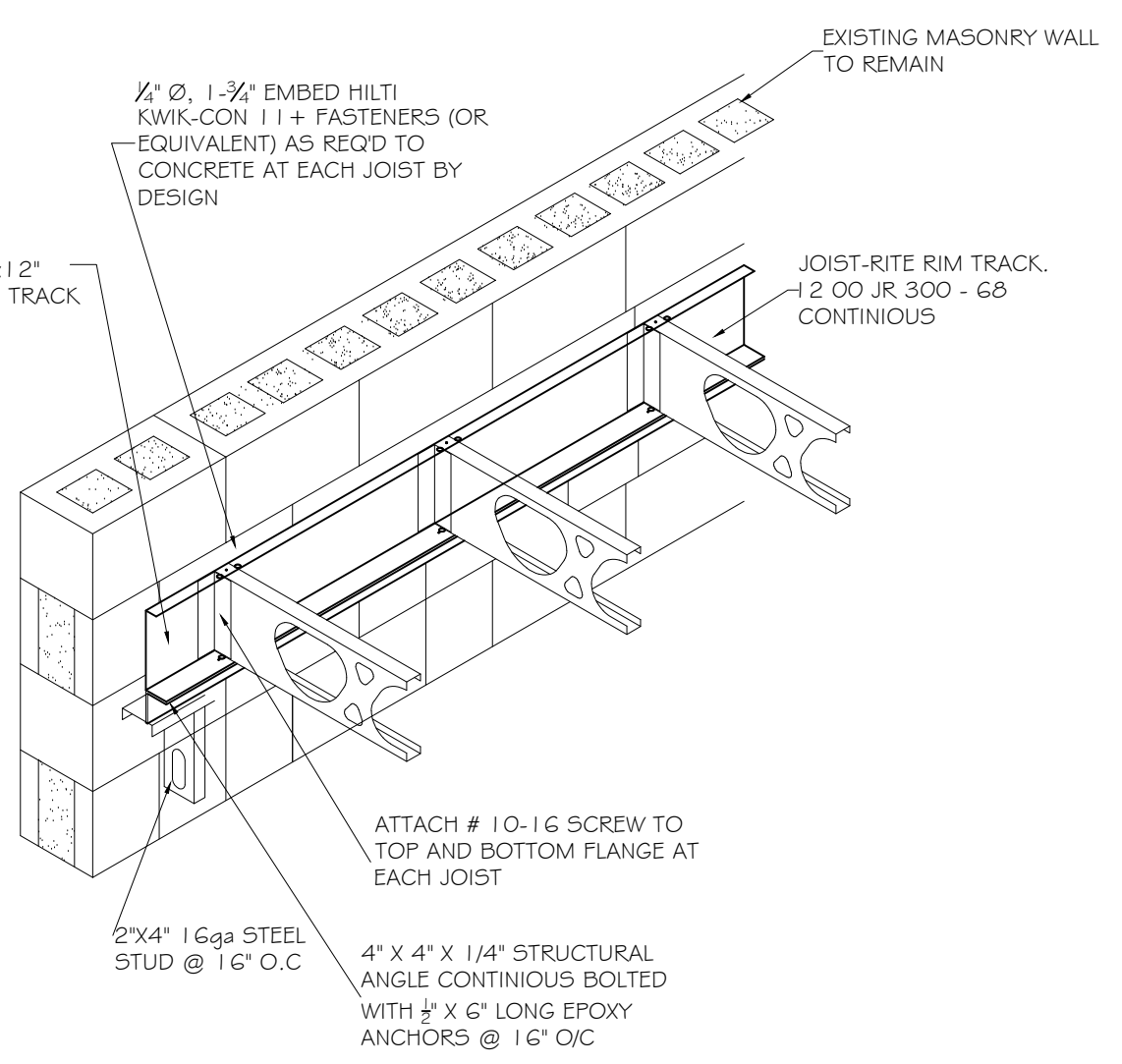
7. TYPICAL JOISTRITE FLOOR OPENING



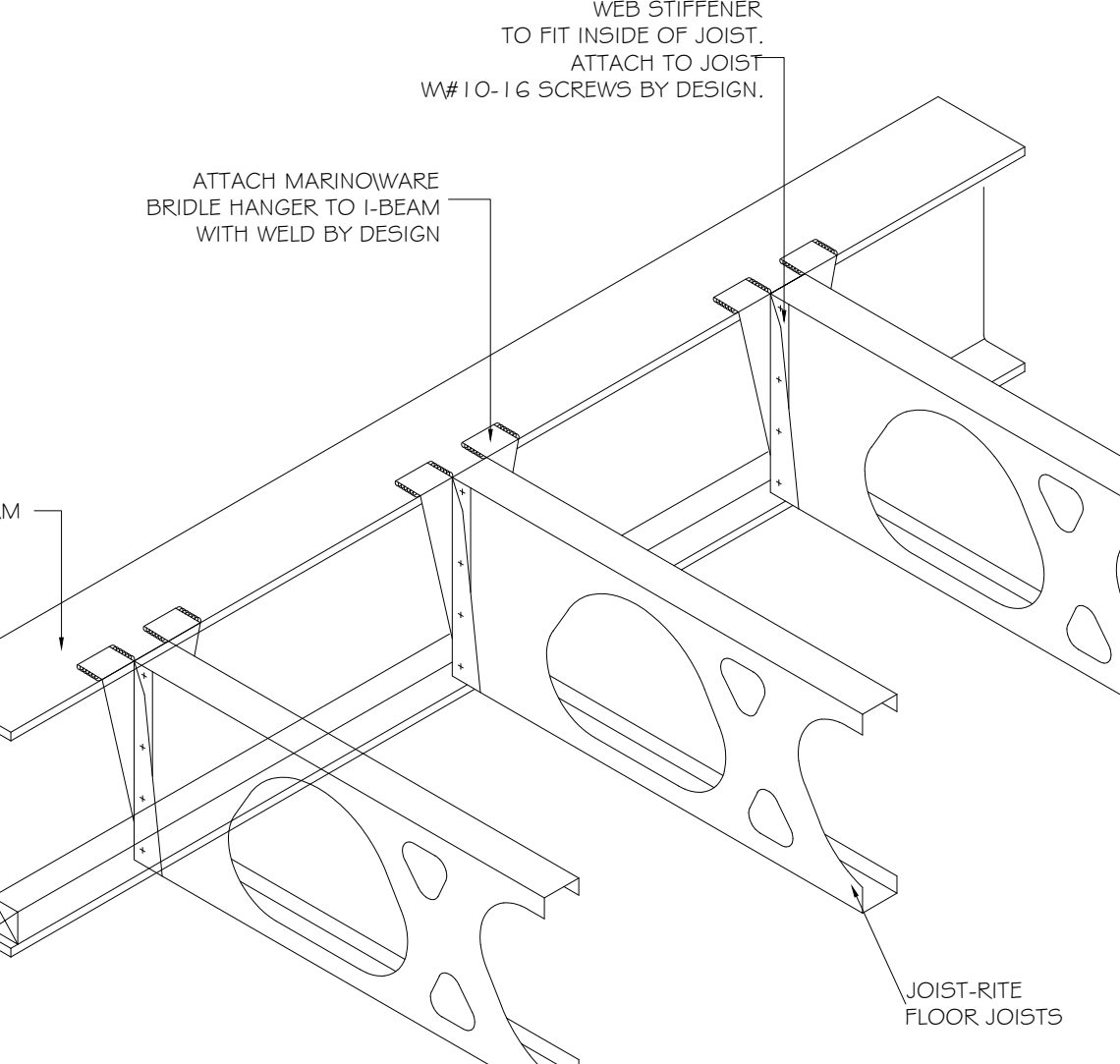
8. DOUBLE JOISTS AT EXTERIOR LOAD BEARING WALL



9. JOISTRITE CONNECTION TO ICF WALL



10. JOISTRITE CONNECTION TO CMU WALL



11. JOISTRITE CONNECTION TO I-BEAM

APPROVED
04/08/2022
CHIEF BUILDING INSPECTOR
TOWN OF HEMPSTEAD, NY
PER JOSEPH NEHREBECKI

Nasir J. Khanzada L.L.C.
Consulting Engineer

181-24 HILLSIDE AVENUE
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NO.	DATE	DESCRIPTION	BY	CHK'D BY

MAP NO.:	----	NORTH ARROW
SECTION:	36	
BLOCK:	410	
LOT:	82	

PROJECT LOCATION:
1850 GRAND AVENUE
BALDWIN, NY 11510

WORK DESCRIPTION:
INTERIOR RENOVATION TO EXISTING COMMERCIAL SPACE AND CHANGE OF USE TO MOSQUE

SHEET TITLE:
PROPOSED CELLAR AND FIRST FLOOR LIGHTING PLAN

DEPT. OF BLDGS. JOB NUMBER / SCAN CODE:
APPLICATION# 20-17156
TRACKING# 202003321

APPROVAL SEAL & SIGNATURE:

SEAL & SIGNATURE:	INITIAL DATE: 11/27/19
	REVISED DATE: 02/19/20
	CHECKED BY INITIALS:
	SCALE: AS SHOWN

SHEET NO.:
EN-001.00
14 OF 20

LIGHTING CONTROLS NARRATIVE

INTERIOR LIGHTING CONTROLS				
		CONTROL STRATEGY		
LOCATION: ROOM NUMBER / TYPE	TYPE OF DEVICES	INTENT OF CONTROL	NYCECC OR ASHARE	DRAWING #
RETAIL STORE				
BATH ROOM	OCCUPANCY SENSOR	AUTOMATICALLY TURNS LIGHTS ON, WHEN MOTION IS DETECTED AND OFF WITH 20 MIN. OF ALL OCCUPANT LEAVING THE SPACE	C405.2.1	E-001.00
ASSEMBLY	MANUAL LIGHTING CONTROL	MANUAL ON / OFF	C405.2.2.3	E-001.00
OFFICE	DAYLIGHT ZONE CONTROL	DIMMING OR SWITCHING OFF LIGHT WHEN SUFFICIENT AMBIENT LIGHT IS PRESENT OR WHEN THE SPACE IS VACANT	C405.2.3	E-001.00
EXTERIOR LIGHTING CONTROLS				
PARKING AREAS	PHOTO SENSOR AND/OR AUTOMATIC TIMELOCK	EXTERIOR LIGHTING AT PARKING LOT SHALL BE PROVIDED WITH CONTROL THAT AUTOMATICALLY TURN OFF THE POWER WHEN DAYLIGHT IS AVAILABLE	C405.2.5	E-001.00
BUILDING ENTRANCE	PHOTO SENSOR AND/OR AUTOMATIC TIMELOCK	AUTOMATICALLY TURN OFF THE POWER WHEN DAYLIGHT IS AVAILABLE	C405.2.5	E-001.00

LIGHTING FIXTURE SCHEDULE

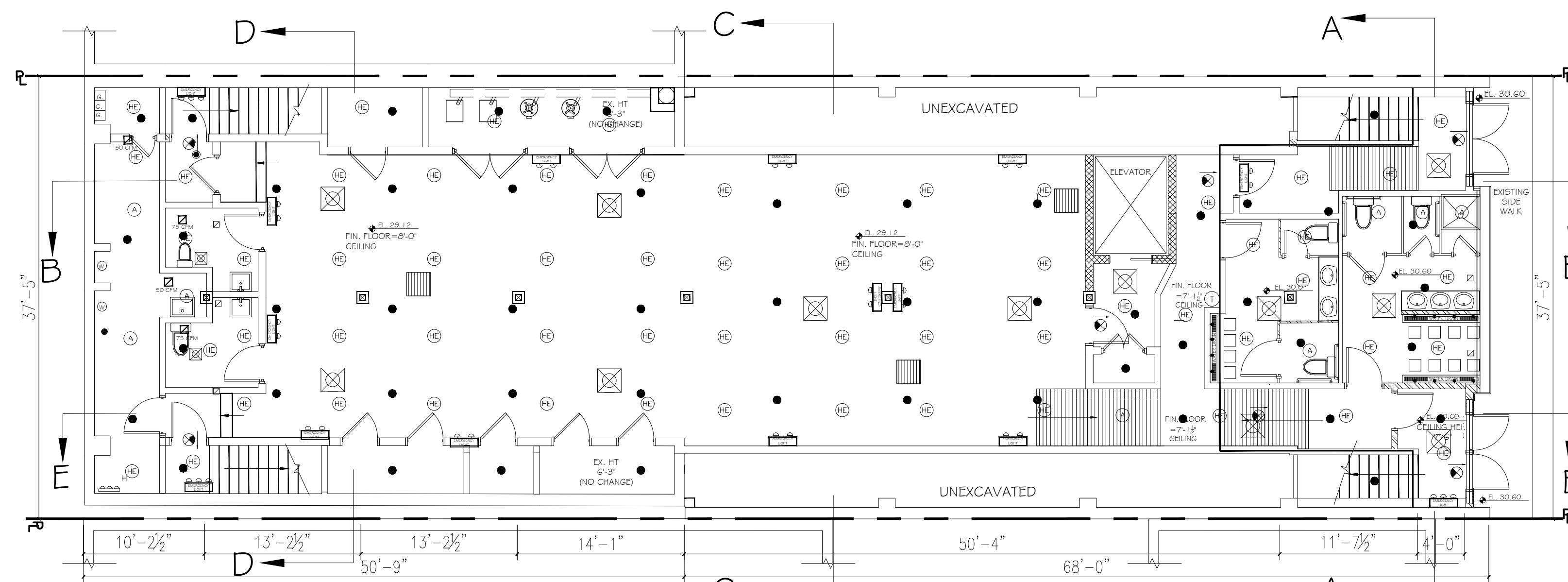
SYM	MANUF.	DESCRIPTION	WATTAGE
	INTERIOR PHILIPS	TYPE: T-8 LINEAR LED 5000K LIGHT MODEL: 452045 FINISH: DAY LIGHT SIZE: 2' LONG TOTAL LIGHTS PER FIXTURE: 2 PC	8.5 W EACH BULB
	INTERIOR PHILIPS	TYPE: T-8 LINEAR LED 3500K LIGHT MODEL: 433268 FINISH: DAY LIGHT SIZE: 4' LONG TOTAL LIGHTS PER FIXTURE: 19 PCS	14.5 W EACH BULB 58 W EACH LIGHT
	EXITLIGHT CO.	QUANTUM LED THERMOPLASTIC EMERGENCY EXIT SIGN, STENCIL-FACED WHITE HOUSING WITH RED LETTERS	3.5 W EACH
	EXTERIOR L.E.D LIGHT	TYPE: COMPACT FLUORESCENT MODEL: 50042F-W FINISH: ENERGY SAVER TOTAL LIGHTS PER FIXTURE: 7 PC	42 W EACH LIGHT (≈ 150 W)
	LUTRON	1 WAY SWITCH	120 V, 15 AMP.
	LUTRON	3 WAY SWITCH	
	EXITLIGHT CO.	NEW YORK APPROVED 2-HEAD STEEL EMERGENCY LIGHT	
		TYPE: SWITCH	
	GFCI	DUPLEX OUTLET WITH GROUND FAULT INTERFACE	

INTERIOR LIGHTING CALCULATION

BUILDING FLOOR AREA
1. CELLAR FLOOR = 3989.5.00 SF.
2. FIRST FLOOR = 4453.00 SF.
TOTAL FLOOR AREA = 8442.5 SF.
REQUIRED INTERIOR LIGHTING FOR RELIGIOUS BUILDING
= 8442.5 X 0.72 = 6078.5 WATTS

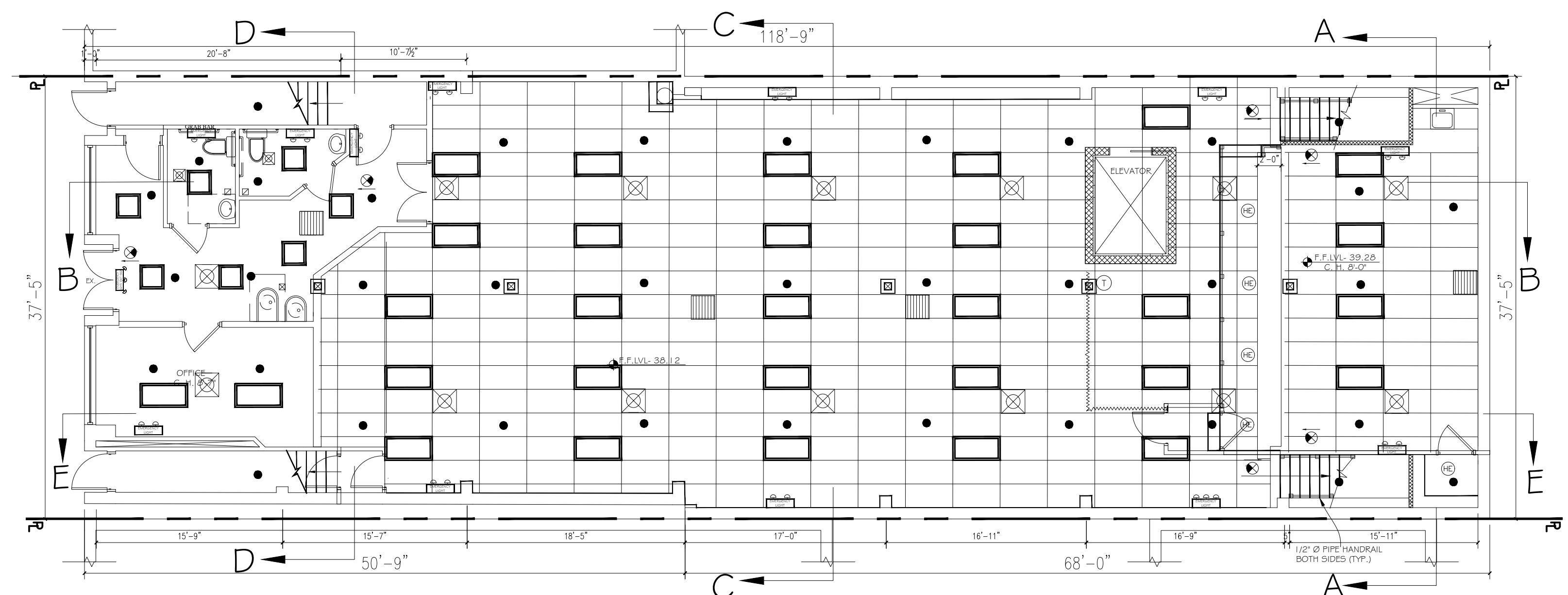
PROPOSED CELLAR INTERIOR LIGHTING = 69 FIXTURES X 14.5 WATT = 1000.50 WATTS
PROPOSED LIGHTING ON FIRST FLOOR = (1) 40 FIXTURES X 14.5 WATT = 2320 WATTS
= (2) 7 FIXTURES X 2 X 8.5 WATT = 119 WATTS
TOTAL INTERIOR LIGHTING WATTAGE = 1000.50 + 2350 + 119 = 3439.50 WATTS
= 3439.50 WATTS < 6078.5 WATTS (OK)
NOTE : ALL INTERIOR LIGHTING FIXTURES ARE LED

APPROVED
04/08/2022
CHIEF BUILDING INSPECTOR
TOWN OF HEMPSTEAD, NY
PER JOSEPH NEHREBECKI



PROPOSED CELLAR FLOOR LIGHTING PLAN

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



PROPOSED FIRST FLOOR LIGHTING PLAN

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

Nasir J. Khanzada L.L.C.
Consulting Engineer

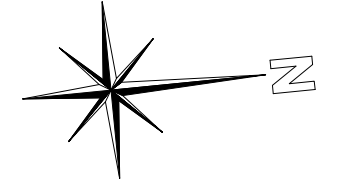
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QUEENS, N.Y. 11432

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NO.	DATE	DESCRIPTION	BY	CHK'D BY
1.	10-17-10	MINOR CHANGE	R.S.	

MAP NO.:	----	NORTH ARROW
SECTION	36	
BLOCK:	410	
LOT:	82	


PROJECT LOCATION:
1850 GRAND AVENUE
BALDWIN, NY 11510

WORK DESCRIPTION:
INTERIOR RENOVATION TO
EXISTING COMMERCIAL
SPACE AND CHANGE OF USE
TO MOSQUE

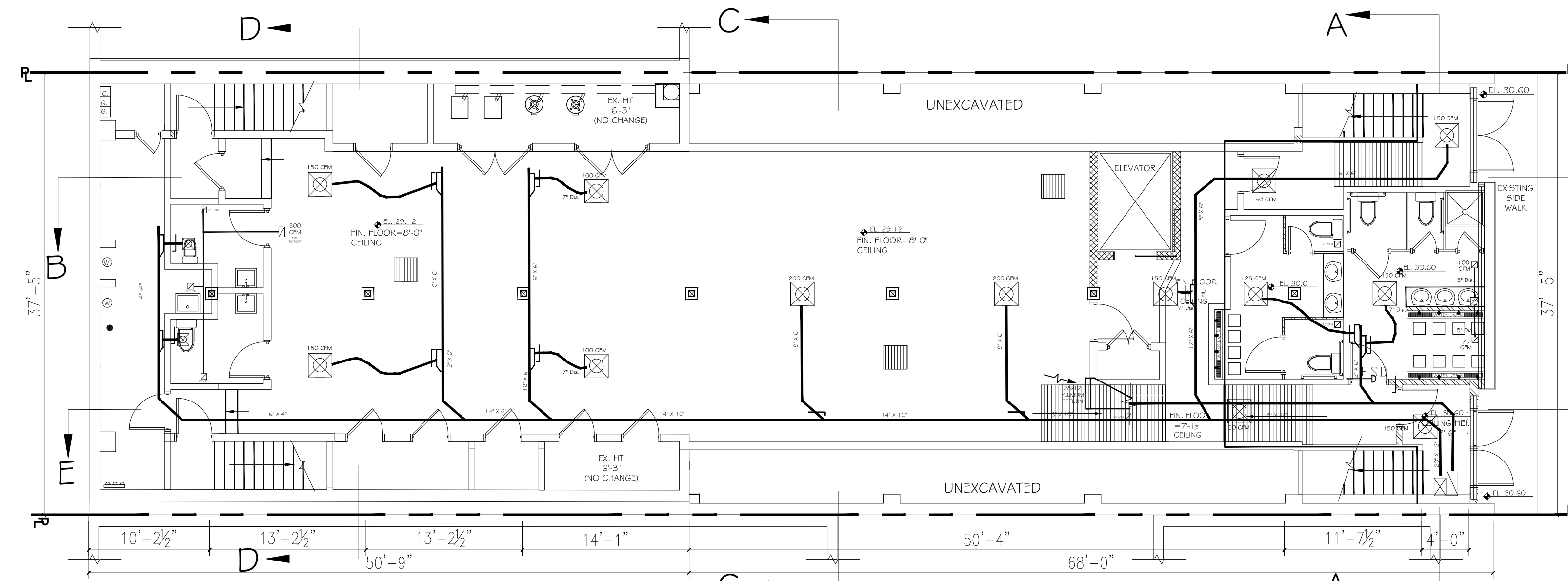
SHEET TITLE:
PROPOSED CELLAR,
FIRST, AND ROOF
HVAC PLANS

DEPT. OF BLDGS. JOB NUMBER / SCAN CODE:
APPLICATION# 20-17156
TRACKING# 202003321

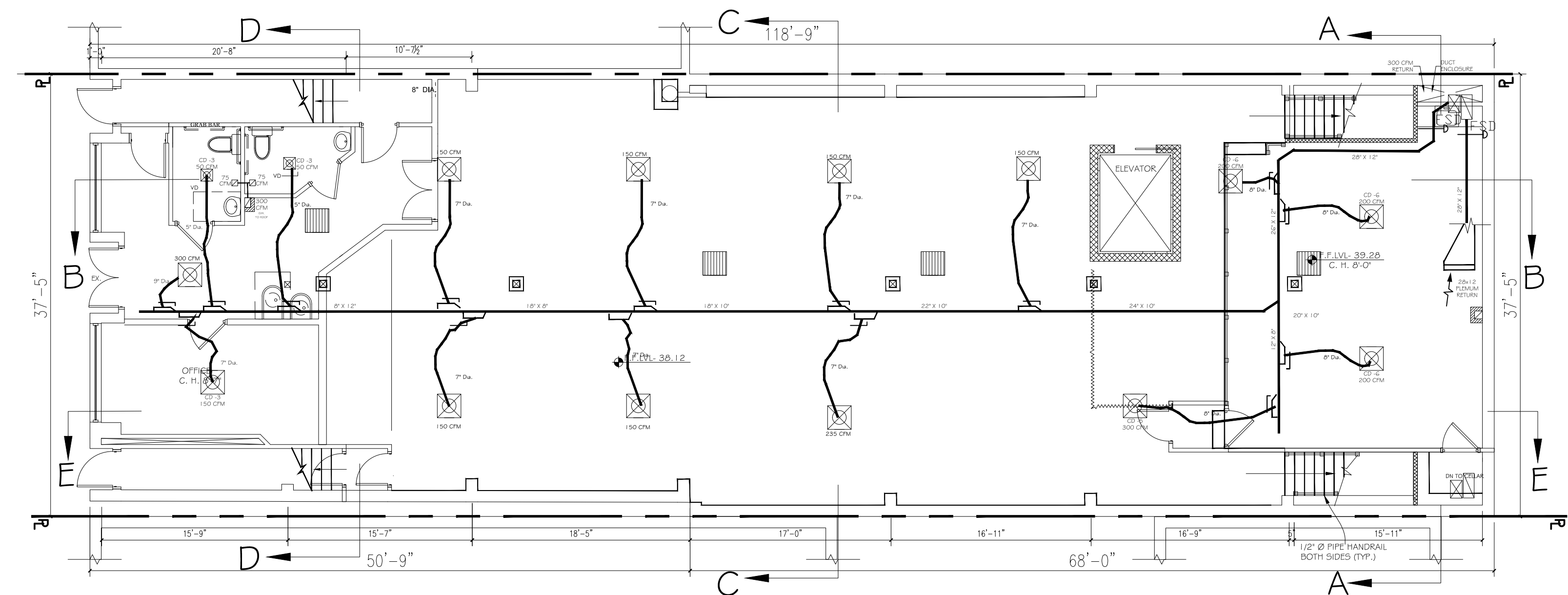
APPROVAL SEAL & SIGNATURE:

SEAL & SIGNATURE:	INITIAL DATE: 10/14/21
	REVISED DATE:
	CHECKED BY INITIALS: AK
	SCALE: AS SHOWN

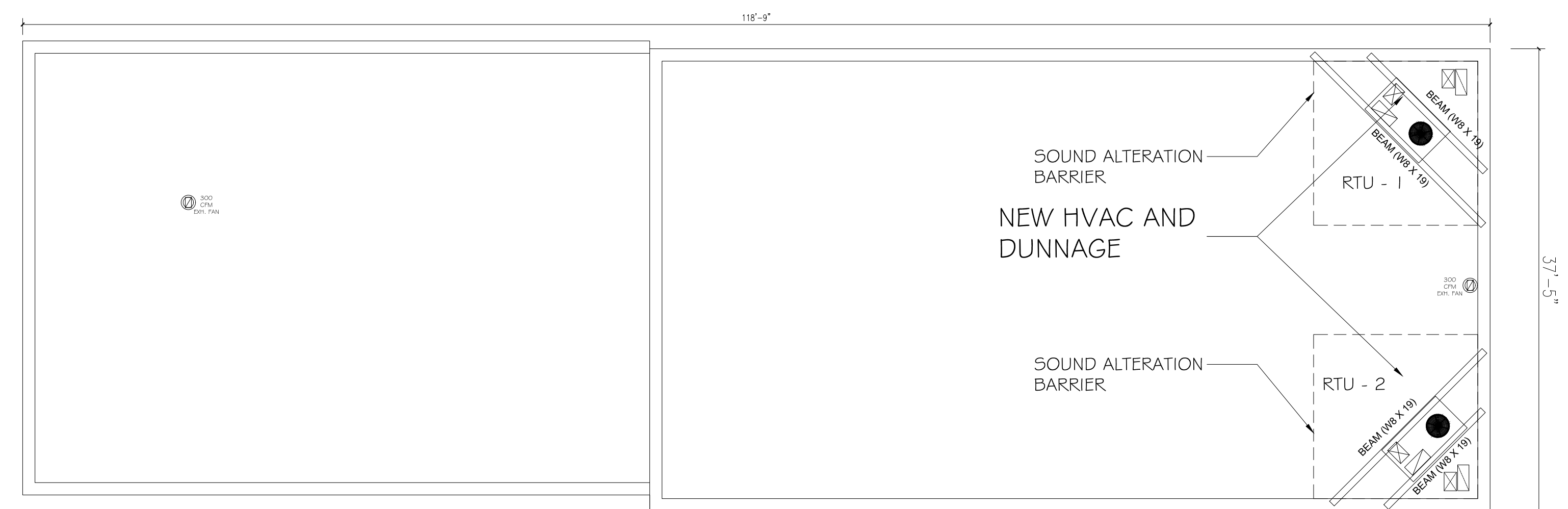
SHEET NO.:
M-001.00
15 OF 20



PROPOSED CELLAR FLOOR HVAC PLAN
SCALE: 1/8" = 1'-0"



PROPOSED FIRST FLOOR HVAC PLAN
SCALE: 1/8" = 1'-0"



PROPOSED ROOF HVAC PLAN
SCALE: 1/8" = 1'-0"

APPROVED
04/08/2022
CHIEF BUILDING INSPECTOR
TOWN OF HEMPSTEAD, NY
PER JOSEPH NEHREBECKI

VAC SYMBOL LIST	
SYMBOL	DESCRIPTION
	CEILING EXHAUST OR RETURN AIR OR REGISTER
	DUCT
	SUPPLY DUCT UP
	SUPPLY DUCT DOWN
	RETURN DUCT UP
	RETURN DUCT DOWN
M	AUTOMATIC DAMPER, MOTORIZED
FD SD	FIRE DAMPER / SMOKE DAMPER
	SQUARE VANED ELBOW
	RADIUS ELBOW
SD	DUCT SMOKE DETECTOR
	TRANSFER GRILLE
ITS	INDOOR TEMPERATURE SENSOR

DEPT OF BUILDING NOTES

- A TEST WILL BE CONDUCTED UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER OR ARCHITECT OR OTHER PERSON HAVING NOT LESS THAN 5 YEARS EXPERIENCE SUPERVISING THE INSTALLATION OF A VENTILATING SYSTEM. THE TEST WILL SHOW COMPLIANCE WITH THE BUILDING CODE REQUIREMENTS AND C26-1301, ADMINISTRATIVE CODE.
- THE LICENSED PROFESSIONAL ENGINEER OR ARCHITECT OR OTHER PERSON HAVING NOT LESS THAN 5 YEARS EXPERIENCE SUPERVISING THE INSTALLATION OF A VENTILATING SYSTEM AND CONDUCTING SUCH TESTS WILL FILE A CERTIFICATE AND REPORT OF TEST THAT THE SYSTEM COMPLIES WITH APPLICABLE LAWS.
- A STATEMENT WILL BE FILED BY THE OWNER (OR TENANT) IN POSSESSION THAT THE VENTILATING SYSTEM WILL BE KEPT IN CONTINUOUS OPERATION DURING NORMAL OCCUPANCY OF THE PREMISES.

ALL FIRE DAMPERS ARE TO BE OF THE TYPE APPROVED BY THE BOARD OF FIRE UNDERWRITERS, WHERE ENTERING OR LEAVING SHAFTS. FIRE DAMPERS ARE TO BE THE EQUIVALENT OF ½ THE PENETRATED WALL FIRE RATING.

VENTILATION RULES OF THE DEPARTMENT OF BUILDINGS ADOPTED DECEMBER 6, 1968, ARE TO BE COMPLIED WITH.

SMOKE AND FIRE DETECTING DEVICES ARE TO BE INSTALLED IN ACCORDANCE WITH THE BUILDING CODE REQUIREMENTS AND REFERENCE STANDARD 17 L, ADMINISTRATIVE CODE.

ROD/BRACING & ANGLE SCHEDULE			
ROD TYPE DIA.	ANGLE	SPACING	NOTES
TYPE 'B' - ½" DIA.	½" x ½" x ½"	8'-0" O.C. MAXIMUM	
TYPE 'C' - ¾" DIA.	½" x ½" x ½"	8'-0" O.C. MAXIMUM	
TYPE 'D' - ¾" DIA.	½" x ½" x ½"	4'-0" O.C. MAXIMUM	

FLEXIBLE AIR DUCTS

-MATERIAL SHALL HAVE BEEN TESTED BY UNDERWRITERS LABORATORIES INC. AND GIVEN THE LISTING 181 CLASS 1 DUCT MATERIAL, AND COMPLY WITH NFPA 90A.

-CONNECTIONS SHALL BE CLAMPED WITH IDEAL TYPE 52 HOSE CLAMPS.

-LENGTH OF FLEXIBLE DUCTS SHALL BE AS SHOWN ON THE DRAWINGS BUT SHALL NOT EXCEED LENGTH DICTATED BY LOCAL JURISDICTION.

SHEET METAL DUCT NOTES

ALL REQUIRED SUPPORTS, HANGERS, ANCHORS, AND GUIDES SHALL BE PROVIDED AND INSTALLED BY THE VAC CONTRACTOR. SHOP DRAWINGS SHALL BE SUBMITTED, INDICATING THE FOLLOWING:

- *ALL DUCTWORK, FLUES, REGISTER BOXES, AIR CHAMBERS, DAMPERS, AND ALL AUXILIARY WORK OF ANY KIND, NECESSARY TO MAKE THE VARIOUS AIR-CONDITIONING, VENTILATING AND HEATING SYSTEMS OF THE BUILDING COMPLETE AND READY FOR OPERATION, SHALL BE FURNISHED AND INSTALLED.
- *THE SPECIFICATIONS REFER TO SMACNA STANDARDS, WHICH SHALL BE CONSIDERED MINIMAL. IF LOCAL CODES REQUIRE OTHER STANDARDS THAN DESCRIBED IN SMACNA, LOCAL CODES SHALL GOVERN.
- *ALL DUCTWORK INDICATED ON DRAWINGS IS SCHEMATIC. THEREFORE CHANGES IN DUCT SIZES AND/OR LOCATIONS SHALL BE MADE WHERE NECESSARY TO CONFORM TO SPACE CONDITIONS, WITHOUT ADDITIONAL COST TO THE OWNER.
- *DIMENSIONS GIVE ON DRAWINGS OF ALL ACOUSTICALLY-LINED DUCTS SHALL BE THE INSIDE CLEAR DIMENSION. REFER TO ACOUSTICAL TREATMENT.
- *A SNAP LOCK SEAM SHALL NOT BE PERMITTED AS A SUBSTITUTE FOR THE PITTSBURGH LOCK EXCEPT FOR SYSTEMS WITH PRESSURE CLASSIFICATION +1" AND LESS AND WHERE LONGITUDINAL JOINTS ARE SEALED AND RIVETED AT CORNERS.
- *WHERE THE TRADE ELECTS TO USE 'DUCT-MATE' OR SIMILAR PRODUCTS FOR JOINTS, PVC CLIPS ARE NOT PERMITTED (USE METAL), AND ALL CORNERS SHALL BE BOLTED (BOLTLESS CONNECTORS ARE NOT PERMITTED) EXCEPT WHERE LOCAL CODES PERMIT DUCT-MATE JOINTS AS BREAKAWAY CONNECTIONS AT FIRE DAMPERS. ONLY GASKETS MANUFACTURED BY DUCT-MATE ARE ACCEPTABLE.
- *USE GASKETS TYPE JOINTS WHEN DISSIMILAR METALS ARE JOINED.
- *SEALANT SHALL BE 'HARDCAST IRON GRIP' WATER DUCT SEALANT 601, UNITED SHEET METAL'S DUCT SEALER OR APPROVED EQUAL. SUBMIT FOR APPROVAL.
- *ALL DUCTWORK UNLESS OTHERWISE NOTED SHALL BE HUNG WITH 1" x ½" GALVANIZED IRON STRAPS. DUCTWORK WITH CROSS-SECTIONAL AREA UNDER 4 SQUARE FEET SHALL BE HUNG ON 8'-0" CENTERS. DUCTWORK WITH CROSS-SECTIONAL AREA GREATER THAN 4 SQUARE FEET SHALL BE HUNG ON 4'-0" CENTERS. ALL IRON STRAP HANGERS SHALL BE BENT 2" MINIMUM UNDER THE BOTTOM OF THE DUCT AS WELL AS HAVING THE SIDES SECURED WITH SHEET METAL SCREWS.
- *WHERE DUCTS ARE STACKED, THEY SHALL BE INDEPENDENTLY SUPPORTED ABOVE WITH 1 ½" x ½" IRON STRAPS OR 1 ½" x 1 ½" x ½" ANGLES WITH THREADED ROD, NUT AND WASHERS PER SCHEDULE.
- *ALL DUCTWORK SHALL BE SUBSTANTIALLY BUILT WITH APPROVED JOINTS AND SEAMS SMOOTH ON THE INSIDE AND A NEAT FINISH ON THE OUTSIDE. DUCT JOINTS AS NEAR AIR TIGHT AS POSSIBLE, WITH LAPS MADE IN THE DIRECTION OF AIRFLOW AND NO FLANGES PROJECTING INTO THE AIR STREAM. DUCTS SHALL BE ADEQUATELY BRACED TO PREVENT VIBRATION. ALL ANGLES SHALL BE GALVANIZED OR SHOP PAINTED WITH TWO COATS OF RUST RESISTANT PAINT.
- *CHANGES IN SHAPE AND DIMENSIONS SHALL CONFORM WITH THE FOLLOWING:
 - FOR INCREASES IN CROSS-SECTIONAL AREA, THE SHAPE OF THE TRANSFORMATION SHALL NOT EXCEED 1" IN 7".
 - FOR REDUCTION IN CROSS-SECTIONAL AREA, THE SHAPE OF THE TRANSFORMATION MAY BE 1" IN 4" BUT 1" IN 7" IS PREFERRED.
- CHANGES IN DIRECTION SHALL CONFORM TO THE FOLLOWING:
 - UNVANED ELBOWS WITH THROAT RADIUS NOT LESS THAN ½ THE WIDTH OF THE DUCT.
 - SQUARE ELBOWS WITH DOUBLE THICKNESS DUCT TURNS SHALL BE AS PER SMACNA WITH 2 ½" SPACING, AND ARE ACCEPTABLE IN DUCTS WITH NO MORE THAN 2200 FPM AIR VELOCITY. FOR HIGHER VELOCITIES, USE SWEEP TYPE VANES.
 - WHEREVER IT MAY BE NECESSARY TO MAKE PROVISION FOR VERTICAL HANGERS OF THE CEILING CONSTRUCTION TO PASS THROUGH DUCTS, PROVIDE STREAMLINED SHAPED SLEEVES AROUND SUCH CEILING CONSTRUCTION HANGERS AS TO FULLY PROTECT THE DUCT FROM BEING PUNCHED WITH HOLES FROM THE PASSAGE OF SUCH HANGERS. ANY SUCH STREAMLINED SLEEVES SHALL BE MADE AIRTIGHT AT TOP AND BOTTOM OF DUCTS. IN NO CASE SHALL THERE BE MORE THAN 2 RODS IN ANY 9 SQUARE FEET AREA. NO RODS SHALL PIERCE DUCTS SMALLER THAN 12" IN HORIZONTAL WIDTH. NO HANGERS SHALL PENETRATE HIGH PRESSURE DUCTS.
 - FURNISH AND INSTALL MANUAL DAMPERS, REGISTERS, GRILLES, REGISTER BOXES, ACCESS DOORS, SOUND TRAPS, ETC., AS DESCRIBED ELSEWHERE IN THE SPECIFICATIONS OR AS REQUIRED FOR A COMPLETE SYSTEM, READY FOR OPERATION.

- NOTES:**
- FOR SEVERAL DUCTS ON ONE HANGER TYPE 'B', 'C' OR 'D' MAY BE USED. SIZE OF HANGER WILL BE SELECTED FROM THE SUM OF DUCTS WIDTHS EQUAL TO THE MAXIMUM WIDTH OR DUCT SCHEDULE.
 - SCHEDULE FOR BRACING ANGLES: TYPE 'B' ½" x ½" x ½" ANGLE MAX. SPACING 8 FT ON CENTERS. TYPE 'C' ½" x ½" x ½" ANGLE MAX. SPACING 8 FT ON CENTERS. TYPE 'D' 2" x 2" x ½" ANGLE MAX. SPACING 4 FT ON CENTERS.
 - 8 FT MAXIMUM HANGER SPACING. ALSO PROVIDE 3 HANGERS AT EACH TAKE-OFF OR BRANCH.

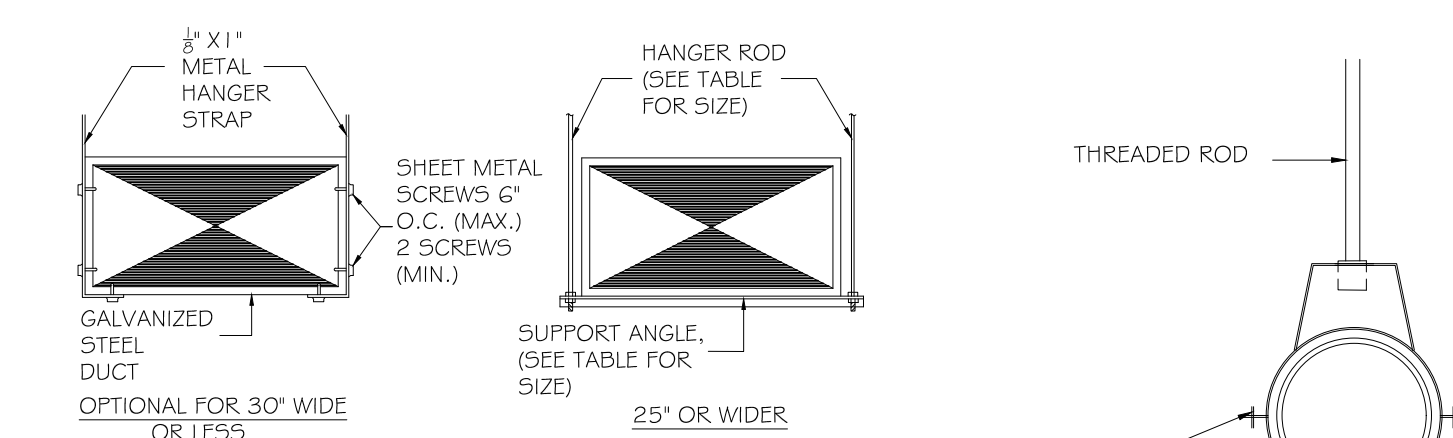
VAC NOTES

THE INSTALLER SHALL:

- *FURNISH ALL UNITS (OR EQUIVALENT) IN ACCORDANCE WITH THE PERFORMANCE SCHEDULE SHOWN ON THE PLANS
- *INSTALL EACH UNIT AS SHOWN ON THE PLANS IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS AND ALL APPLICABLE CODES

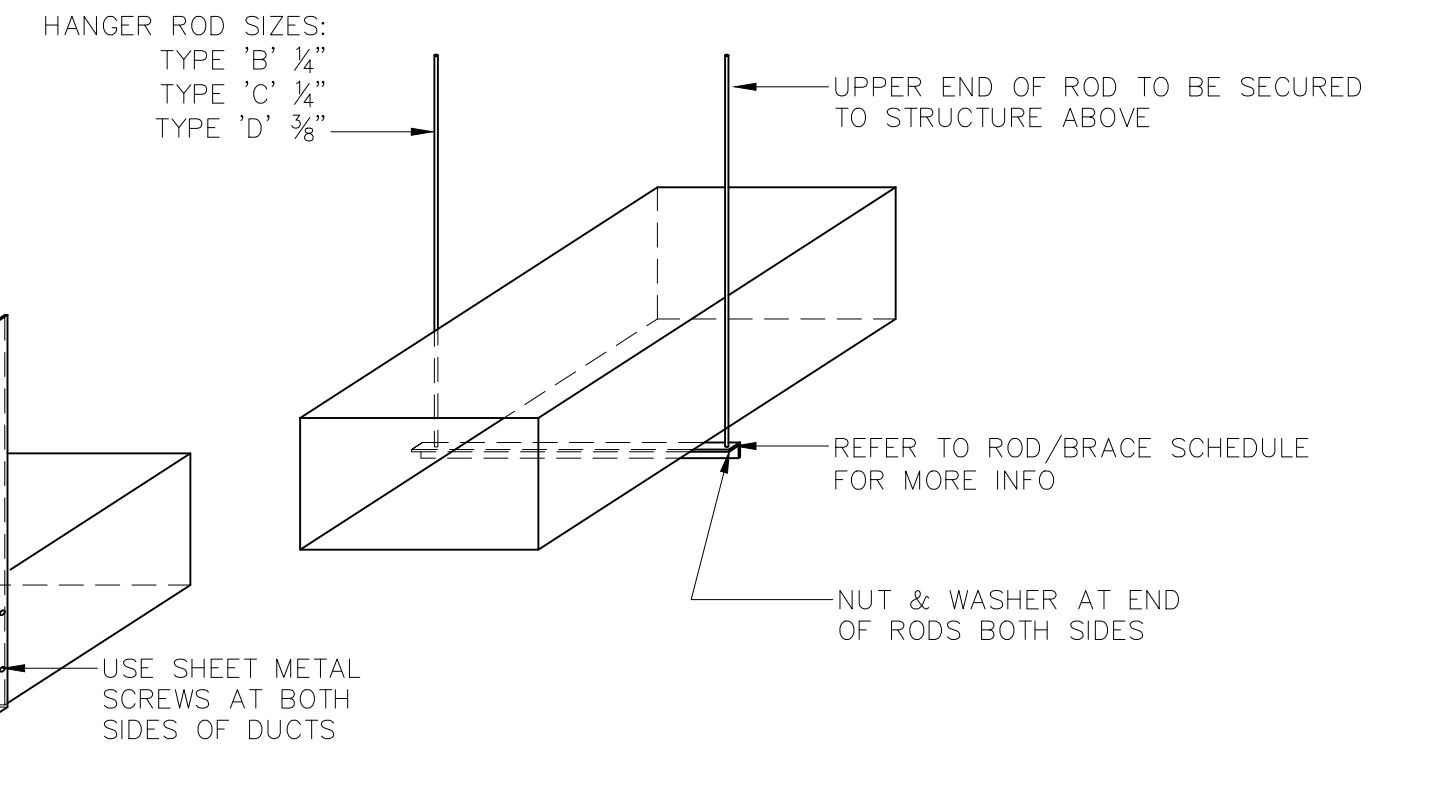
THE UNITS SHALL BE:

- *SPECIFICALLY DESIGNED FOR OUTDOOR INSTALLATION.
- *COMPLETELY ASSEMBLED ON A RIGID BASE FOR ONE-PIECE AND RIGGING.
- *SUITABLE FOR MOUNTING ON STRUCTURAL STEEL ABOVE THE FINISHED ROOF.
- *CERTIFIED BY UL, CSA, AND MEA.
- *PIPED, WIRED, CHARGED AND TESTED BY THE MANUFACTURER BEFORE SHIPMENT. ONLY A MINIMUM OF WIRING, PIPING AND DUCT CONNECTION SHALL BE REQUIRED PRIOR TO STARTUP. CONDUIT AND GAS CONNECTIONS ARE MADE AFTER SETTING UNIT ON DUNNAGE.
- *A CURRENTLY MANUFACTURED PRODUCT WITH PUBLISHED LITERATURE AVAILABLE TO CHECK THE UNIT'S PERFORMANCE, LIMITATIONS, SPECIFICATIONS, POWER REQUIREMENTS, OPERATION AND APPEARANCE.
- *SIZED IN ACCORDANCE WITH COOLING AND AIR DELIVERY REQUIREMENTS SHOWN ON THE PLANS.



DUCT WIDTH	ROD DIA.	SUPPORT ANGLE OR EQUIVALENT CHANNEL	MAX. SPACING
26" TO 30"	3/8"	1 1/2" X 1 1/2" X 1/8"	8'-0" O.C.
31" TO 42"	3/8"	1 1/2" X 1 1/2" X 1/8"	6'-0" O.C.
43" TO 60"	1/2"	1 1/2" X 1 1/2" X 1/8"	6'-0" O.C.
61" TO 84"	1/2"	2" X 2" X 1/4"	4'-0" O.C.
85" AND UP	1/2"	3" X 3" X 1/4"	4'-0" O.C.

DUCT SUPPORT DETAILS
NOT TO SCALE



ROOF INSTALLATION DETAIL
SCALE: NTS

HANGER SCHEDULE	
DUCT DIMENSIONS (IN.)	TYPE HANGER
UP TO 12	A
13 TO 18	A
19 TO 30	A/B
31 TO 42	B
43 TO 54	B
55 TO 60	B
61 TO 84	C
85 TO 96	C
OVER 96	D

VAC ABBREVIATIONS			
A	AMPERES	IN	INCH OR INCHES
AAV	AUTOMATIC AIR VENT	KW	KILOWATT
ACS	AUTOMATIC CONTROL SYSTEM	LAT	LEAVING AIR TEMPERATURE
AD	ACCESS DOOR	LIN	LINEAR FEET
AL	ALUMINUM	FT	LEAVING WATER TEMPERATURE
BG	BOTTOM GRILLE	LWT	MAXIMUM
BHP	BRAKE HORSEPOWER	MAX	MAXIMUM
BTU	BRITISH THERMAL UNIT	MBTU	THOUSAND BTU PER HOUR
BTUH	BRITISH THERMAL UNIT PER HOUR	MHP	MOTOR HORSEPOWER
CFM	CUBIC FEET PER MINUTE	MIN	MINIMUM
CG	CEILING GRILLE	NTS	NOT TO SCALE
CLG	CEILING	PD	PRESSURE DROP
DWG	DRAWING	PSI	POUNDS PER SQUARE INCH
EAT	ENTERING AIR TEMPERATURE	RPM	REVOLUTIONS PER MINUTE
EDR	EQUIVALENT DIRECT RADIATION	SP	STATIC PRESSURE
EF	EXHAUST FAN	TDH	TOTAL DYNAMIC HEAD
EWT	ENTERING WATER TEMPERATURE	TG	TOP GRILLE
FA	FREE AREA	TYP	TYPICAL
FLA	FULL LOAD AMPERES	TX	TOILET EXHAUST
GPM	GALLONS PER MINUTE	UN	UNLESS OTHERWISE NOTED
HD	HEAD	V	VOLTS
HR	HOUR	W/	WITH
HWP	HOT WATER PUMP	WMS	WIRE MESH SCREEN

DIRECTIVE 14 NOTES

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Nasir J. Khanzada L.L.C.
Consulting Engineer

181-24 HILLSIDE AVENUE
QUEENS, N.Y 11432

PHONE NO.: (212) 380-1543
FAX NO.: (718) 989-9200

NOTICE:

1-THIS DRAWING IS SOLE PROPERTY OF NASIR J. KHANZADA L.L.C. AND SHALL NOT BE ALTERED IN ANY WAY WITHOUT WRITTEN PERMISSION OF ARCHITECT OR ENGINEER OF RECORD.

2-IT IS A VIOLATION OF THE NYS EDUCATION LAW FOR ANY PERSON, UNLESS HE IS ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER OR LAND SURVEYOR, TO ALTER ANY ITEM IN THIS DRAWING IN ANYWAY. (NYS EDUCATION LAW SEC. 7209-2)

NOTE:

1-THIS DRAWING IS FOR PROCUREMENT OF BUILDING PERMIT AND SHALL NOT BE CONSTRUED AS A CONTRACT BETWEEN OWNER AND CONTRACTOR. WRITTEN CONTRACT SUPERCEDES CONSTRUCTION DRAWINGS.

2-CONTRACTOR TO VERIFY ALL LOCATIONS, DIMENSIONS AND CONDITIONS AT THE JOB. NOTIFY NASIR J. KHANZADA L.L.C. OF ERRORS, OMISSIONS, DISCREPANCIES OR CONFLICTS BEFORE PROCEEDING WITH THE WORK.

NO.	DATE	DESCRIPTION	BY	CHKD BY
1.	07-03-17	MINOR CORRECTION	R.S.	

MAP NO.:	----	NORTH ARROW
SECTION	36	
BLOCK:	410	
LOT:	82	

PROJECT LOCATION:

1850 GRAND AVENUE
BALDWIN, NY 11510

WORK DESCRIPTION:

INTERIOR RENOVATION TO EXISTING COMMERCIAL SPACE AND CHANGE OF USE TO MOSQUE

SHEET TITLE:

HVAC STANDARD DETAILS

DEPT. OF BLDGS. JOB NUMBER / SCAN CODE:

APPLICATION# 20-17156
TRACKING# 202003321

APPROVAL SEAL & SIGNATURE:

SEAL & SIGNATURE: [Signature]

INITIAL DATE: 10/14/21

REVISED DATE:

CHECKED BY INITIALS: AK

SCALE: AS SHOWN

SEAL & SIGNATURE:

APPROVED

925 04/08/2025

CHIEF BUILDING INSPECTOR
TOWN OF HEMPSTEAD, NY
PER JOSEPH NEHREBECKI

SHEET NO. M-002.00

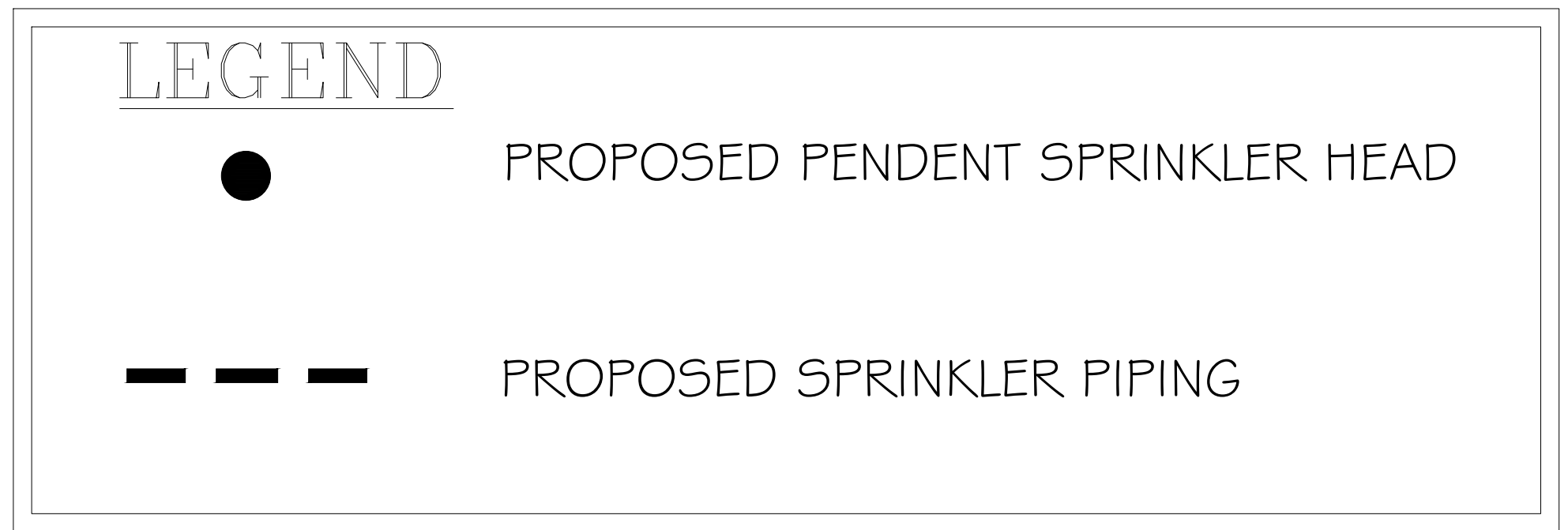
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HVAC PACKAGE RTU													
MANUFACTURE	MODEL NO.	FLOOR SERVED	PIECES	NOMINAL TONNAGE	COOLING CAPACITY	HEATING CAPACITY	DIMENSION L X W X H	VOLTS-PHASE	REFRIGERANT	EER	SEER	WEIGHT (LBS)	CFM
CARRIER	48GCGM06H1A-2BB	CELLAR #	1	5	62,270 BTU/H	150,000 BTU/H	74" X 47" X 41"	208-230/60/3	R-410A	-	15.2	600	2000
CARRIER	48GCGM08H1A-2BB	1ST FLOOR	1	7.5	89,000 BTU/H	240,000 BTU/H	88" X 59" X 49"	208-230/60/3	R-410A	12.0	-	925	2000

FIRE SPRINKLER NOTES:

1. EACH BIDDER SHALL VISIT THE SITE AND BECOME INFORMED AS TO THE CONDITION OF THE PREMISES AND THE EXTENT AND CHARACTER OF WORK REQUIRED. NO ADDITIONAL COMPENSATION WILL BE APPROVED DUE TO FIELD CONDITIONS.
2. THE CONTRACTOR SHALL VERIFY THE EXACT LOCATION OF AREA TO BE PROVIDED WITH SPRINKLER PROTECTION AND LOCATE EXISTING DUCT WORK WITHIN AREA THAT REQUIRE ADDITIONAL SPRINKLER PROTECTION BELOW DUCTS DUE TO INTERFERENCE OF NORMAL SPRAY PATTERN OF SPRINKLER HEADS LOCATED AT UNDERSIDE OF FLOOR SLAB ABOVE.
3. SPRINKLER INSTALLATIONS SHALL BE COMPLETE WITH ALL FITTINGS, PIPES, PIPES, BRANCHES, TESTS, DRAINS AT LOW POINTS IN SYSTEM AND HANGERS.
4. ALL PIPING AND EQUIPMENT SHALL BE SUBSTANTIALLY SUPPORTED FROM THE BUILDING STRUCTURE. HANGERS & SUPPORTS SHALL BE SPECIFICALLY APPROVED FOR USE IN SPRINKLER SYSTEM.
 - A. WHERE OVERHEAD CONSTRUCTION DOES NOT PERMIT FASTENING OF HANGER RODS IN REQUIRED LOCATIONS, PROVIDE ADDITIONAL STEEL FRAMING AS REQUIRED AND APPROVED.
 - B. NO SPRINKLER PIPING SHALL BE HUNG FROM THE PIPING OF OTHER TRADES OR DUCTWORK. HANGERS SHALL BE OF HEAVY CONSTRUCTION, SUITABLE FOR THE SIZE OF PIPE TO BE SUPPORTED.
5. ALL AREAS OF THE BUILDING SHALL BE SPRINKLERED PER NYC BUILDING CODE.
6. ALL FIRE PROTECTION WORK SHALL MEET NYC BUILDING CODE, NFPA, FM GLOBAL REQUIREMENTS AND ALL AUTHORITIES HAVING JURISDICTION.
7. SPRINKLER SYSTEM MUST BE HYDRAULICALLY CALCULATED SYSTEM BASED ON THE FOLLOWING:

HAZARD: MAX. AREA PER SPRINKLER: DESIGN DENSITY: DESIGN AREA:	ORDINARY GROUP I 130 SQ. FT. 0.16 GPM / SQ. FT. -----
--	--
8. COORDINATE ALL FIRE PROTECTION WORK WITH ARCHITECTURAL REFLECTED CEILING PLANS, MECHANICAL & ELECTRICAL PLANS AND OTHER TRADES.
9. ALL NEW DROP NIPPLES SHALL BE 1" UNLESS OTHERWISE NOTED.
10. NEW SPRINKLER PIPING TO BE INSTALLED SHALL BE A MINIMUM OF 1-INCH.
11. CHANGES OR SUBSTITUTIONS OF EQUIPMENT WILL NOT BE ALLOWED WITHOUT SPECIFIC WRITTEN APPROVAL FROM THE ENGINEER. ALL COSTS RESULTING FROM THE SELECTION OF OTHER THAN SPECIFIED EQUIPMENT SHALL BE BORNE BY THE CONTRACTOR, INCLUDING, BUT NOT LIMITED TO WORK AFFECTING OTHER CONTRACTORS, THE OWNER, OR RE-DESIGN ISSUES.
12. ALL CONTRACT WORK SHALL BE PERFORMED IN ACCORDANCE WITH ALL REQUIREMENTS OF THE WRITTEN SPECIFICATIONS FOR THIS PROJECT WHICH ARE CONSIDERED TO BE AN INTEGRAL PART OF THESE CONTRACT DOCUMENTS. ALL CONTRACTORS AND SUBCONTRACTORS SHALL MAINTAIN (AT THE JOB SITE) AND REFER TO COPIES OF THE WRITTEN SPECIFICATIONS AS A PART OF THESE DRAWINGS. REFER TO THE WRITTEN SPECIFICATIONS IN CONJUNCTION WITH THE PLANS FOR FULL PROJECT SCOPE. IN ALL CASES OF DISCREPANCY BETWEEN PLANS AND SPECIFICATIONS, THE MORE STRINGENT REQUIREMENTS SHALL GOVERN, AND WHERE IT IS UNCLEAR, WHICH CASES IT SHALL BE REFERRED TO THE ENGINEER FOR ADJUDICATION.
14. ANY DISCREPANCIES OR INADEQUACIES WITHIN THESE DOCUMENTS OR BETWEEN THESE BID DOCUMENTS AND THE RELATED MECHANICAL, PLUMBING, ELECTRICAL, STRUCTURAL, ARCHITECTURAL, INTERIOR DECOR AND SITE ENGINEERING DRAWINGS, OR BETWEEN THESE BID DOCUMENTS AND FIELD CONDITIONS SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT AND ENGINEER PRIOR TO BID SUBMISSION.
15. ALL PIPING, EXCEPT IN MECHANICAL ROOMS SHALL BE ORGANIZED NEATLY AND KEPT TIGHT TO WALLS AND CEILING WITH STANDARD CLEARANCE FOR FUTURE FURRING BY GENERAL CONTRACTOR.
16. FURNISH AND INSTALL PIPE SLEEVES PASSING THROUGH INTERIOR WALLS. SLEEVES SHALL BE STEEL PIPE: ASTM A 53, TYPE E, GRADE A, SCHEDULE 40, GALVANIZED, PLAIN ENDS, LENGTH EQUAL TO WIDTH OF WALL OR AS APPROVED BY NYC CODE.
17. ALL PIPING SYSTEM PENETRATIONS OF FIRE-RATED WALLS AND FLOORS SHALL BE SEALED WITH U.L. APPROVED FIRE RESISTANT JOINT SEALER, SPECIFIED TECHNOLOGIES "PENSIL 200", OR EQUAL, TWO-PART FOAMED-IN-PLACE SILICONE SEALANT. FIRE RESISTANT SEALER SHALL BE TESTED PER ASTM 814. INSTALL SEALANT, INCLUDING FORMING, PACKING AND OTHER ACCESSORY MATERIALS TO FILL OPENINGS WHERE FIRE-RATED WALL PENETRATIONS OCCUR. COMPLY WITH INSTALLATION REQUIREMENTS ESTABLISHED BY TESTERS AND INSPECTION AGENCY.
18. SPRINKLER CONTRACTOR SHALL SUBMIT HIS SHOP DRAWINGS AND HYDRAULIC CALCULATIONS TO THE ENGINEER OR ARCHITECT FOR APPROVAL PRIOR TO PERFORMING THE WORK.
19. SPRINKLER CONTRACTOR SHALL PROVIDE DRAWINGS AND CALCULATIONS SIGNED AND SEALED BY P.E., OBTAIN SPRINKLER PERMIT, FILE THE SHOP DRAWING WITH THE LOCAL AUTHORITY HAVING JURISDICTION AND PAY ALL NECESSARY FILING FEES.
20. AT THE END OF THE PROJECT, CONTRACTOR SHALL PROVIDE AUTOCAD AS-BUILT DRAWINGS & HYDRAULIC CALCULATIONS BEFORE PROJECT CLOSE-OUT.
21. ALL NECESSARY CUTTING AND PATCHING IN FLOOR SLABS, ROOF SLABS AND BEAMS (CORE DRILLING) FOR THE SPRINKLER WORK SHALL BE PERFORMED BY THIS CONTRACTOR. RESTORE TO MATCH EXISTING CONDITIONS.
22. THE CONTRACTOR MUST COMPLY WITH THE NYS FCM CONSTRUCTION AND MAINTENANCE WORK RULES.
23. ALL EXPOSED HORIZONTAL AND VERTICAL PIPING SHALL BE INSTALLED IN A NEAT ARRANGEMENT IN LOCATIONS WHICH ARE THE MOST INCONSPICUOUS. VERTICAL DROPS SHALL BE KEPT TO AN ABSOLUTE MINIMUM AND THEIR FINAL LOCATIONS SHALL BE COORDINATED AND RUN WITHIN CHASES, WALLS, SOFFITS WITH OTHER MECHANICAL | ELECTRICAL FEEDS. ALL SUCH LOCATIONS ARE TO BE REVIEWED WITH OWNER AND ENGINEER PRIOR TO INSTALLATION.
23. FIRE SPRINKLER PIPE DISTRIBUTION SYSTEM SHALL BE PROTECTED TO PREVENT PIPE BREAKAGE WHERE SUBJECT TO EARTHQUAKE IN ACCORDANCE WITH NYC BUILDING CODE, NFPA 13 AND LOCAL AUTHORITIES HAVING JURISDICTION.
24. ALL EXPOSED SPRINKLER AND STANDPIPES PIPING SHALL BE PAINTED RED AS PER NYC BUILDING CODE. ALL DEDICATED FIRE STANDPIPE VALVE HANDLES SHALL BE PAINTED RED, COMBINATION FIRE STANDPIPE AND SPRINKLER VALVE HANDLES SHALL BE PAINTED YELLOW AND DEDICATED FIRE SPRINKLER VALVE HANDLES SHALL BE PAINTED GREEN.
25. CONNECT EXISTING SPRINKLER RISER IN EXISTING TRASH CHUTE TO PROPOSED SPRINKLER SYSTEM. PERFORM PRESSURE TEST TO EXISTING PIPING AND REPLACE PIPING AS REQUIRED (V.I.F.). REPLACE EXISTING FIRE SPRINKLERS IN EACH FLOOR, TAMPER AND FLOW SWITCHES WITH NEW. (V.I.F.)



NOTE
TO THE BEST OF MY KNOWLEDGE, BELIEF AND PROFESSIONAL JUDGEMENT, THESE PLANS AND SPECIFICATIONS ARE IN COMPLIANCE WITH THE NYSECC- NEW YORK CITY ENERGY CONSERVATION CODE 2016, CHAPTER-R4.

LOCATION	# OF SPKR HEADS
CELLAR FLOOR	50
1ST FLOOR	41
2ND FLOOR	32
TOTAL # OF SPRINKLER HEADS	123

BUILDING DEPARTMENT FILING NOTES
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CONTROLLED INSPECTIONS

SPRINKLER SYSTEMS	BC 1704.21
ENERGY CODE COMPLIANCE INSPECTION	BC 109.3.5
FINAL	28-116.2.4.2, BC 109.5, DIRECTIVE 14 OF 1975, AND 1 RCNY § 101-10

- NOTES:**
1. IN ACCORDANCE WITH NFPA 13, THIS BUILDING IS CLASSIFIED AS LIGHT HAZARD OCCUPANCY.
 2. MAXIMUM DISTANCE BETWEEN SPRINKLERS AND WALL SHALL BE MAINTAINED AT 7'-6".
 3. CURB VALVE SHALL BE INSTALLED WITHIN 2'-0" OF THE BUILDING WALL.

NOTE
FIRE ALARM SHALL BE FILED UNDER A SEPARATE APPLICATION

APPROVED
 04/08/2022
 CHIEF BUILDING INSPECTOR
 TOWN OF HEMPSTEAD, NY
 PER **JOSEPH NEHREBECKI**

Nasir J. Khanzada L.L.C.
Consulting Engineer

181-24 HILLSIDE AVENUE
QUEENS, N.Y 11432

PHONE NO.: (212) 380-1543
FAX NO.: (718) 989-9200

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NO.	DATE	DESCRIPTION	BY	CHK'D BY

MAP NO.:	----	NORTH ARROW
SECTION	36	
BLOCK:	410	
LOT:	82	


PROJECT LOCATION:
1850 GRAND AVENUE
BALDWIN, NY 11510

WORK DESCRIPTION:
INTERIOR RENOVATION TO EXISTING COMMERCIAL SPACE AND CHANGE OF USE TO MOSQUE

SHEET TITLE:
PROPOSED CELLAR AND FIRST FLOOR SPRINKLER PLAN

DEPT. OF BLDGS. JOB NUMBER / SCAN CODE:	
APPLICATION#	20-17156
TRACKING#	202003321

APPROVAL SEAL & SIGNATURE:

	<p>INITIAL DATE: 11/27/19</p> <p>REVISED DATE: 02/19/20</p> <p>CHECKED BY INITIALS:</p> <p>SCALE: AS SHOWN</p>
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NOTICE:

1-THE DRAWING IS SOLE PROPERTY OF NASIR J. KHANZADA L.L.C. AND SHALL NOT BE ALTERED IN ANY WAY WITHOUT WRITTEN PERMISSION OF ARCHITECT OR ENGINEER OF RECORD.
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NO.	DATE	DESCRIPTION	BY	CHK'D BY

MAP NO.:	----	NORTH ARROW
SECTION	36	
BLOCK:	410	
LOT:	82	

PROJECT LOCATION:
1850 GRAND AVENUE
BALDWIN, NY 11510

WORK DESCRIPTION:
INTERIOR RENOVATION TO
EXISTING COMMERCIAL
SPACE AND CHANGE OF USE
TO MOSQUE

SHEET TITLE:
PROPOSED CELLAR AND FIRST
FLOOR SPRINKLER PLAN

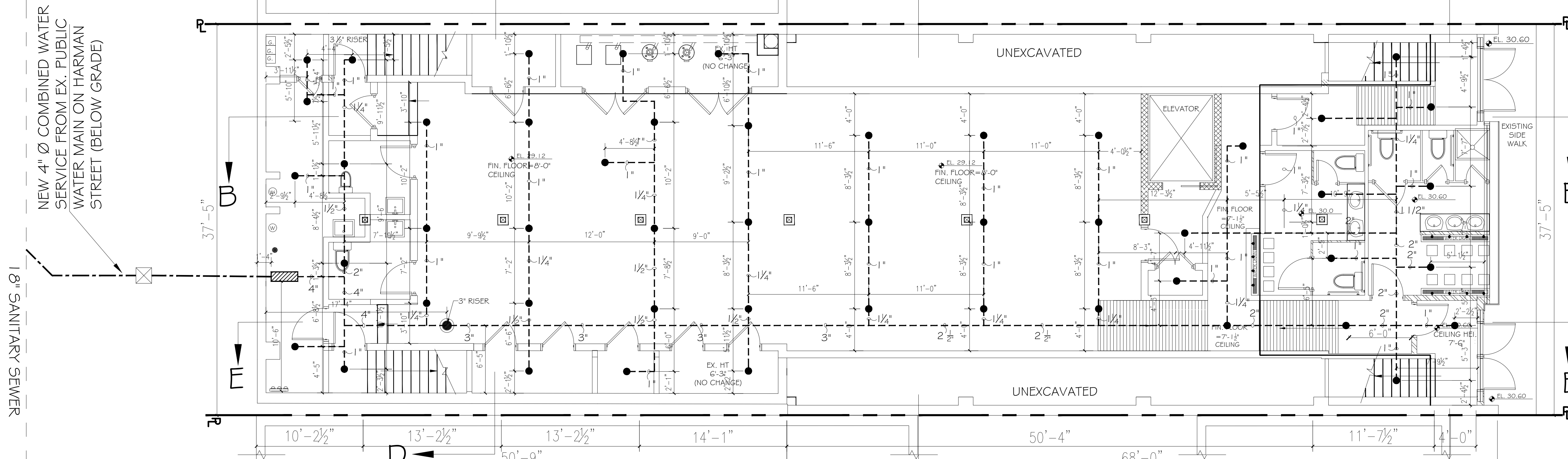
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APPLICATION# 20-17156
TRACKING# 202003321

APPROVAL SEAL & SIGNATURE:

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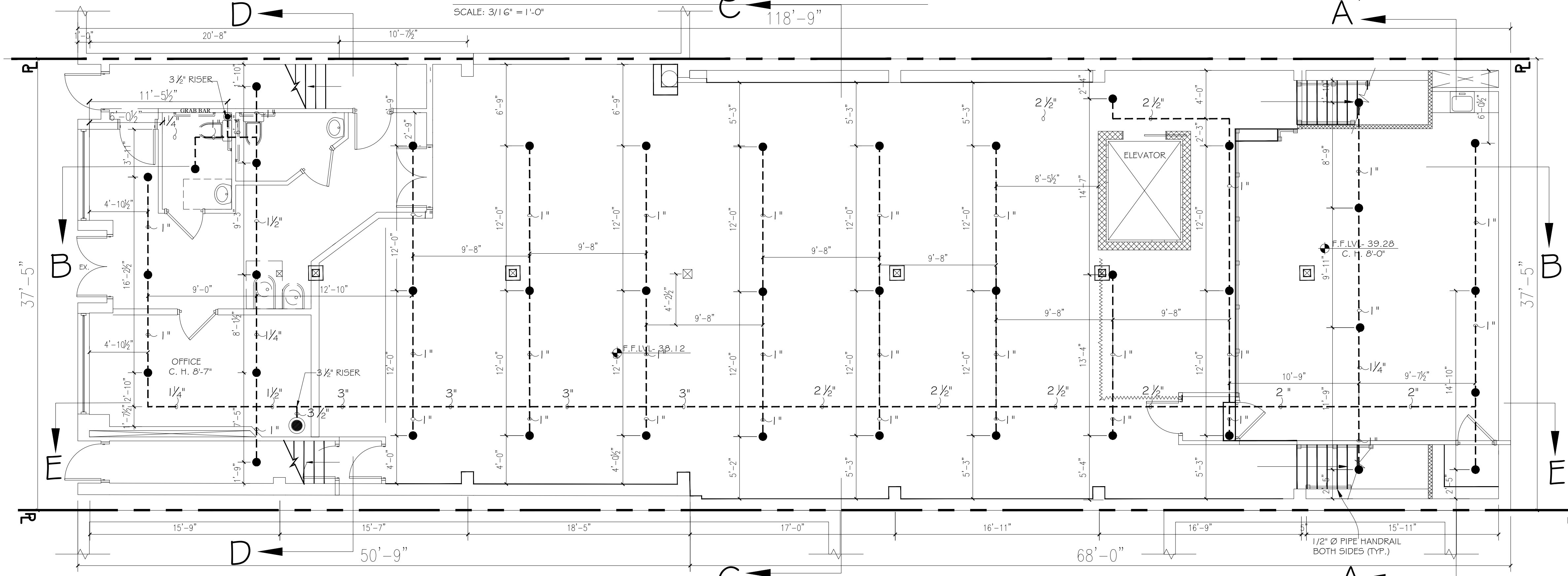
INITIAL DATE:
11/27/19
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INITIALS:
SCALE:
AS SHOWN

SHEET NO.:
SP-001.00
18 OF 20



PROPOSED CELLAR FLOOR SPRINKLER PLAN

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



PROPOSED FIRST FLOOR SPRINKLER PLAN

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

SPRINKLER DESIGN CRITERIA

1. SPRINKLER SYSTEM LAYOUT AND CALCULATIONS SHALL COMPLY WITH 202 OF NYS AND NFPA-13 (2019 EDITION).
2. ALL SPRINKLER SYSTEMS TO BE DESIGNED AS PER NFPA-13 PIPE SCHEDULE.
3. BUILDING OCCUPANCY CLASSIFICATION OF FLOORS BEING RENOVATED IS OCCUPANCY.
4. SPRINKLERS PROTECTING LIGHT HAZARD AREAS SHALL PROVIDE MINIMUM 0.10 GPM/SQ.FT OVER MOST HYDRAULICALLY REMOTE 1,500 SQ.FT, MAX SPRINKLER HEAD 225 SQ.FT.
5. SPRINKLERS PROTECTING ORDINARY HAZARD AREAS SHALL PROVIDE MINIMUM 0.15 GPM/SQ.FT OVER MOST HYDRAULICALLY REMOTE 1,500 SQ.FT, MAX SPRINKLER HEAD 130 SQ.FT.

APPROVED
04/08/2022
CHIEF BUILDING INSPECTOR
TOWN OF HEMPSTEAD, NY
PER JOSEPH NEHREBECKI



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NO.	DATE	DESCRIPTION	BY	CHK'D BY

MAP NO.:	----	NORTH ARROW
SECTION:	36	
BLOCK:	410	
LOT:	82	


PROJECT LOCATION:
**1850 GRAND AVENUE
BALDWIN, NY 11510**

WORK DESCRIPTION:
**INTERIOR RENOVATION TO
EXISTING COMMERCIAL
SPACE AND CHANGE OF USE
TO MOSQUE**

SHEET TITLE:
**SPRINKLER RISER DIAGRAM
AND DETAILS**

DEPT. OF BLDGS. JOB NUMBER / SCAN CODE:
**APPLICATION# 20-17156
TRACKING# 202003321**

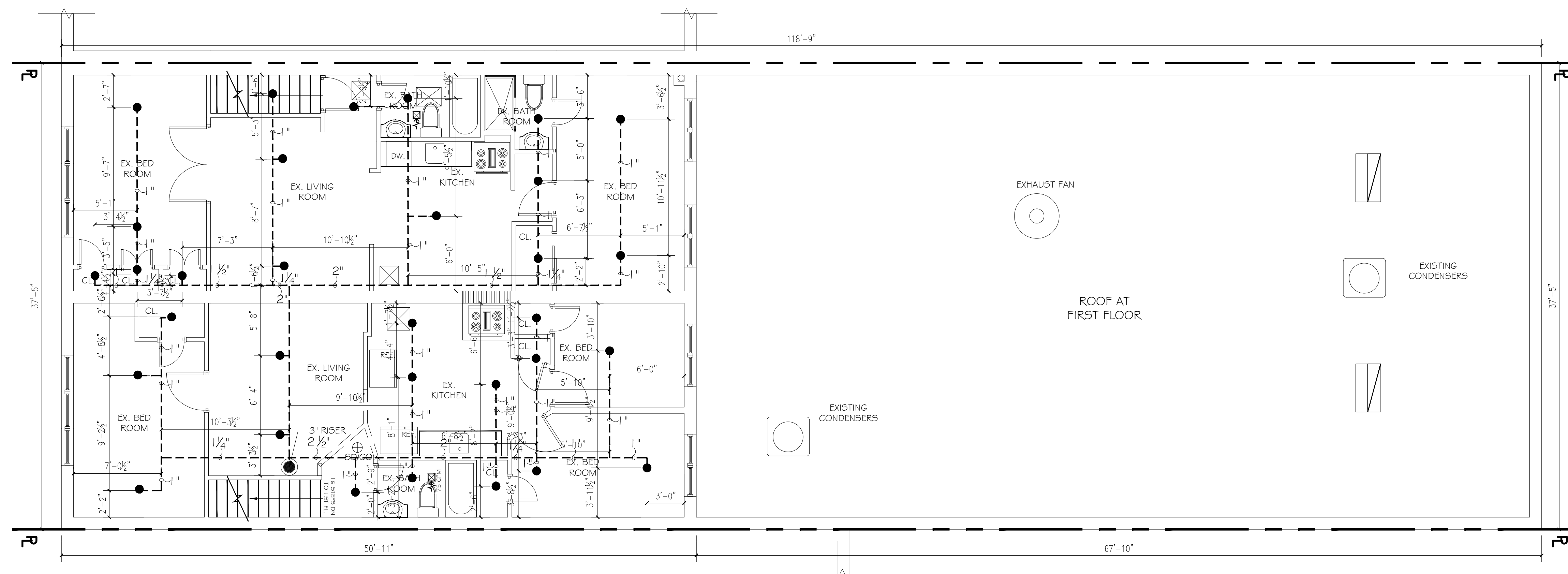
APPROVAL SEAL & SIGNATURE:

SEAL & SIGNATURE:


INITIAL DATE:
11/27/19
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SCALE:
AS SHOWN

SHEET NO.:
SP-002.00

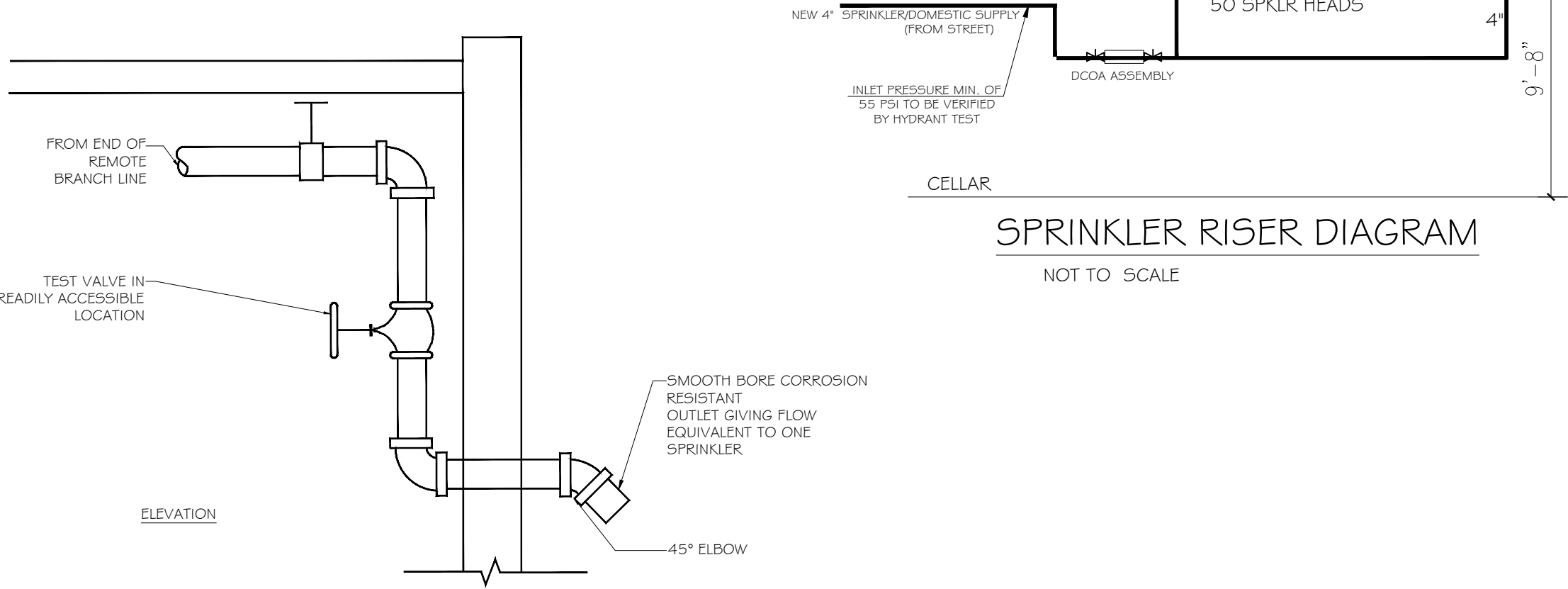
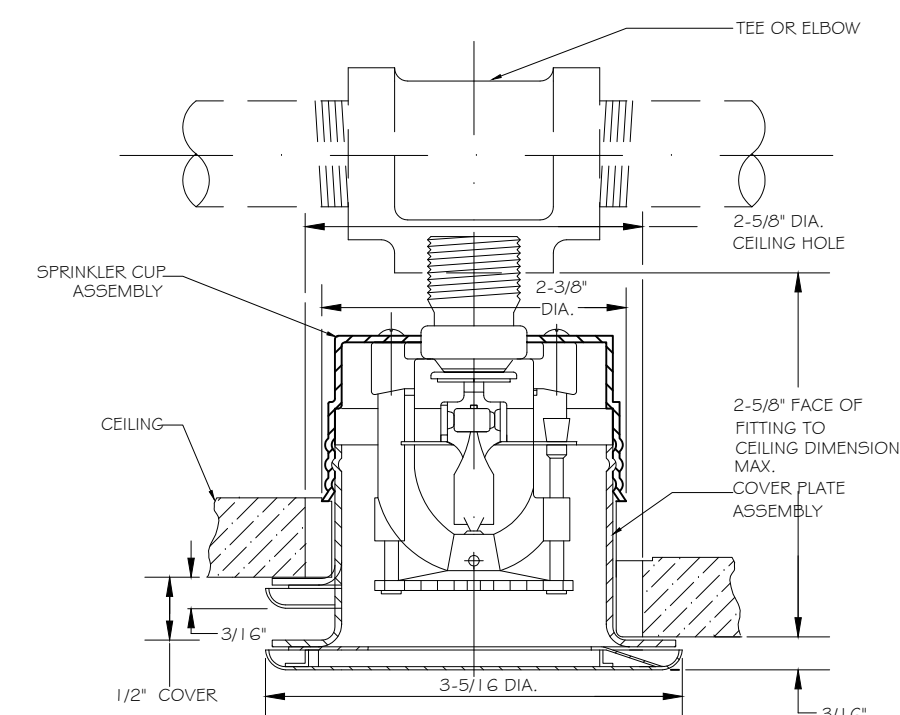
19 OF 20



PROPOSED SECOND FLOOR SPRINKLER PLAN
SCALE: 3/16" = 1'-0"

SPRINKLER DESIGN CRITERIA

1. SPRINKLER SYSTEM LAYOUT AND CALCULATIONS SHALL COMPLY WITH 2020 EXISTING BUILDING CODE OF NYS AND NFPA-13 (2019 EDITION).
2. ALL SPRINKLER SYSTEMS TO BE DESIGNED AS PER NFPA-13 PIPE SCHEDULE.
3. BUILDING OCCUPANCY CLASSIFICATION OF FLOORS BEING RENOVATED IS A-3 ORDINARY HAZARD OCCUPANCIES.
4. SPRINKLERS PROTECTING LIGHT HAZARD AREAS SHALL PROVIDE MINIMUM DESIGNITY OF DISCHARGE 0.10 GPM/SQ.FT OVER MOST HYDRAULICALLY REMOTE 1,500 SQ.FT, MAXIMUM COVERAGE PER SPRINKLER HEAD 225 SQ.FT.
5. SPRINKLERS PROTECTING ORDINARY HAZARD AREAS SHALL PROVIDE MINIMUM DESIGNITY OF DISCHARGE 0.15 GPM/SQ.FT OVER MOST HYDRAULICALLY REMOTE 1,500 SQ.FT, MAXIMUM COVERAGE PER SPRINKLER HEAD 130 SQ.FT.
6. MINIMUM PRESSURE AT ANY SPRINKLER HEAD SHALL BE MINIMUM 7 PSI UNLESS SPECIFIED OTHERWISE BY THE MANUFACTURER.
7. THE SPRINKLER HEADS SHALL HAVE AN ORIFICE WITH K-FACTOR = 5.6 UNLESS SPECIFIED OTHERWISE.



SPRINKLER SCHEDULE				
MANUFACTURER: VIKING CORPORATION				
MODEL	K FACTOR	NYC MEA VOLUME	TEMPERATURE CLASSIFICATION	REMARKS
VK102	5.6	89-92-E VOLUME 32	ORDINARY	● DESIGNATION IN DRAWING
VK156	5.6	89-92-E VOLUME 2	INTERMEDIATE (YELLOW)	◀ DESIGNATION IN DRAWING

BUILDING DEPARTMENT FILING NOTES
THIS PLAN IS APPROVED ONLY FOR THE WORK INDICATED ON THE APPLICATION SPECIFICATIONS SHEET. ALL OTHER MATTERS SHOWN ARE NOT TO BE RELIED UPON OR TO BE CONSIDERED AS EITHER BEING APPROVED OR IN ACCORDANCE WITH APPLICABLE CODES.

- NOTES:**
1. SPRINKLER CONTRACTOR TO PROVIDE SHOP DRAWINGS TO DESIGN ENGINEER BEFORE INSTALLATION OF SPRINKLER SYSTEM
 2. IN ACCORDANCE WITH NFPA 13, THIS BUILDING IS CLASSIFIED AS ORDINARY HAZARD OCCUPANCY.
 3. MAXIMUM DISTANCE BETWEEN SPRINKLER AND WALL SHALL BE MAINTAINED AT 7'-6"
 4. CURB VALVE SHALL BE INSTALLED WITHIN 2'-0" OF THE BUILDING LINE
 5. DOUBLE HEAD SPRINKLER REQUIRED ONLY IN DROP CEILING AREA

LOCATION	# OF SPKLR HEADS
CELLAR	18
1ST FLOOR	19
2ND FLOOR	22
3ND FLOOR	09
ROOF	01
TOTAL # OF SPRINKLER HEADS	69

DESIGN CRITERIA

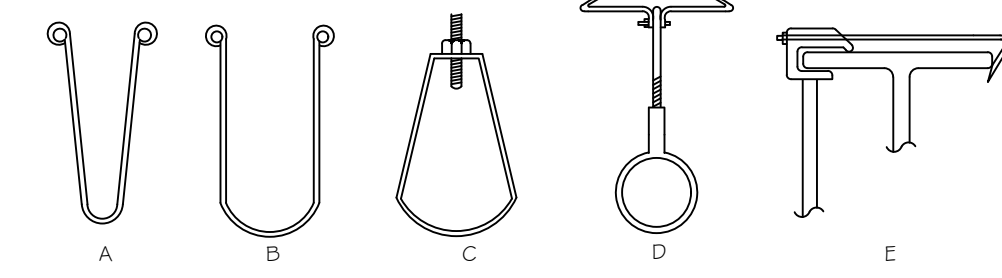
CODE STANDARD: N.F.P.A. 13 - WET PIPE SYSTEM
OCCUPANCY HAZARD: ORDINARY HAZARD
PIPE SIZING METHOD: PIPE SCHEDULE SIZING
PROTECTION AREA LIMITATION PER SPRINKLER HEAD COVERAGE: ± 176 SQ. FT.
DISTANCE BETWEEN BRANCH LINES # BETWEEN SPRINKLERS ON BRANCH LINES: 15 FEET MAXIMUM
SPRINKLER HEAD TYPE: STANDARD 1/2" ORIFICE PENDANT

TABLE 14.5.3.4 ORDINARY HAZARD PIPE SCHEDULE

STEEL	
1"	2 SPRINKLERS
1 1/4"	3 SPRINKLERS
1 1/2"	5 SPRINKLERS
2"	10 SPRINKLERS
2 1/2"	20 SPRINKLERS
3"	40 SPRINKLERS
3 1/2"	65 SPRINKLERS
4"	100 SPRINKLERS
5"	160 SPRINKLERS
6"	275 SPRINKLERS
8"	SEE SECTION 5-2

WHERE THE DISTANCE BETWEEN SPRINKLERS ON THE BRANCH LINE EXCEEDS 12 FT. OR THE DISTANCE BETWEEN THE BRANCH LINES EXCEEDS 12 FT. THE NUMBER OF SPRINKLERS FOR A GIVEN PIPE SIZE SHALL BE IN ACCORDANCE WITH TABLE 14.5.3.5

STEEL	
2 1/2"	15 SPRINKLERS
3"	30 SPRINKLERS
3 1/2"	60 SPRINKLERS



- LEGEND:**
- NEW SPRINKLER HEAD
 - PIPE RISER
 - NEW SPRINKLER PIPE

PIPE SIZE	ROD SIZE
1/2"	3/8"
3/4"	3/8"
1"	3/8"
1 1/4"	3/8"
1 1/2"	3/8"
2"	3/8"
2 1/2"	3/8"
3"	3/8"
4"	1/2"
5"	1/2"
6"	1/2"

APPROVED
04/08/2022
CHIEF BUILDING INSPECTOR
TOWN OF HEMPSTEAD, NY
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MAP NO.:	----	NORTH ARROW
SECTION:	36	
BLOCK:	410	
LOT:	82	

PROJECT LOCATION:
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WORK DESCRIPTION:
INTERIOR RENOVATION TO EXISTING COMMERCIAL SPACE AND CHANGE OF USE TO MOSQUE

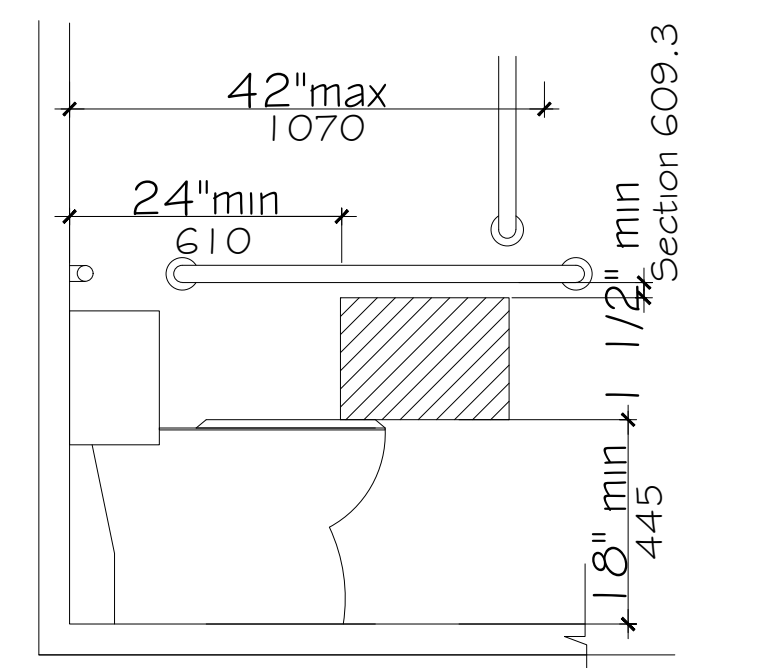
SHEET TITLE:
HANDICAPPED BATHROOM DETAILS AND PLUMBING RISER DIAGRAMS

DEPT. OF BLDGS. JOB NUMBER / SCAN CODE:
APPLICATION# 20-17156
TRACKING# 202003321

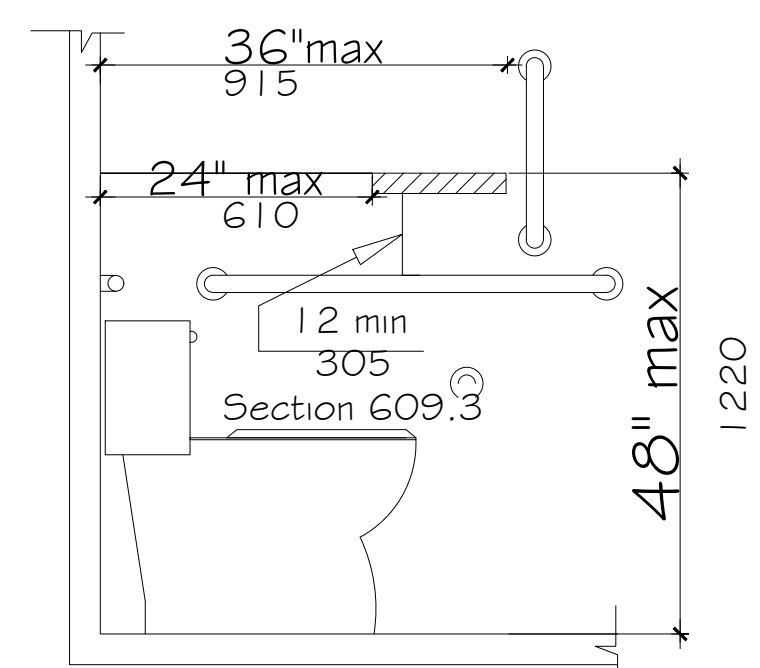
APPROVAL SEAL & SIGNATURE:

SEAL & SIGNATURE:  **INITIAL DATE:** 11/27/19
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CHECKED BY INITIALS:
SCALE: AS SHOWN

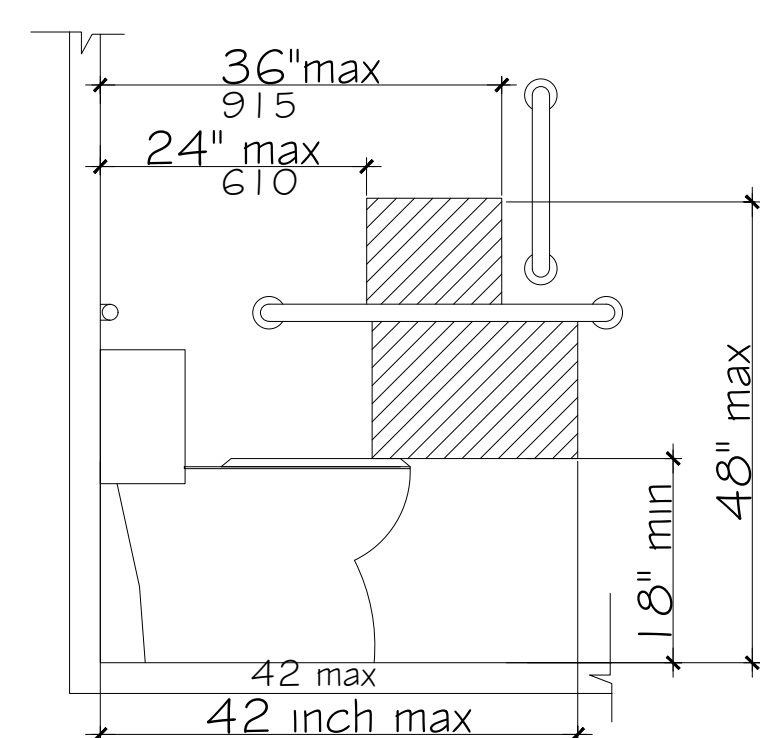
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20 OF 20



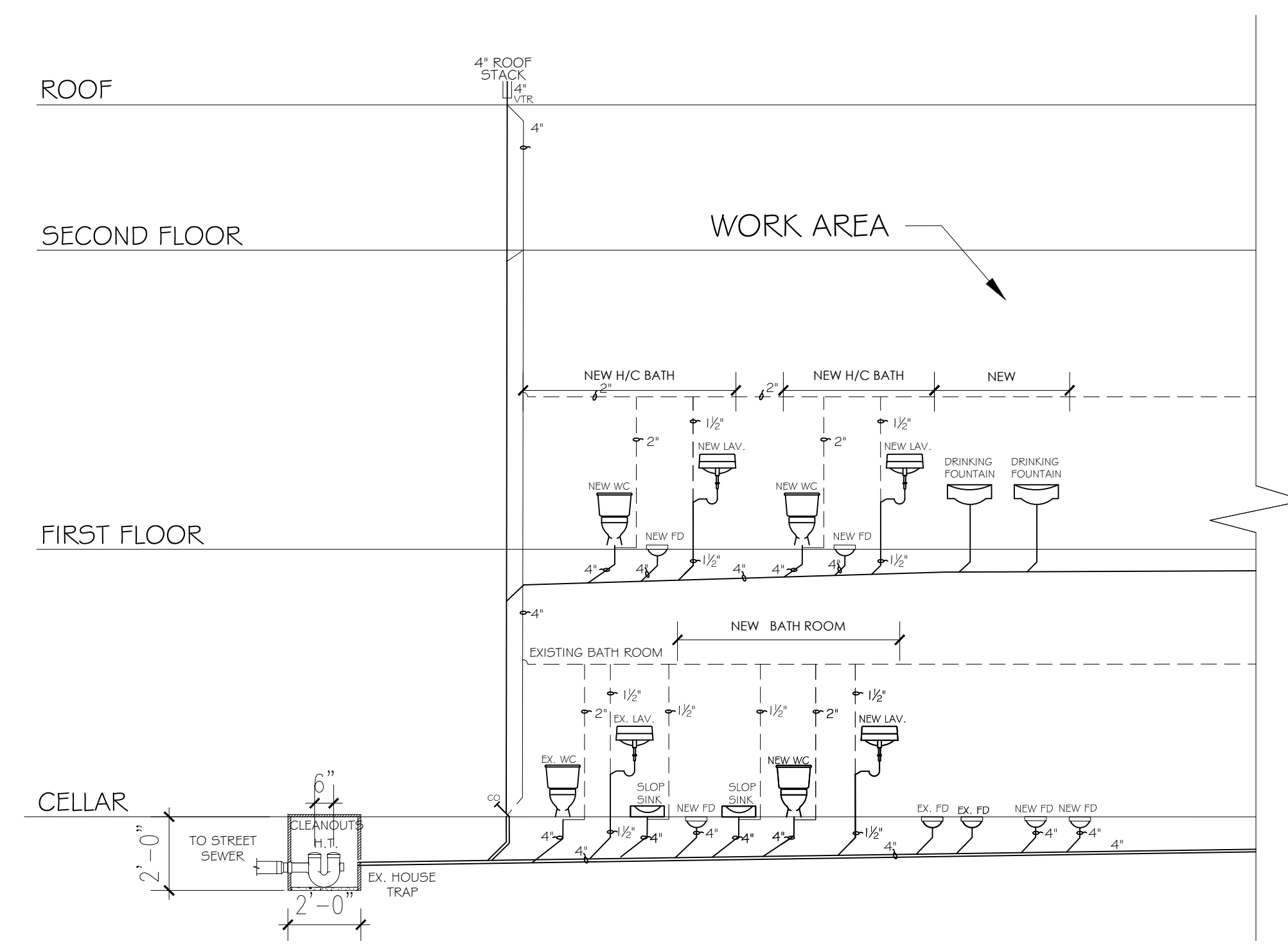
(a) Protruding Dispenser Below Grab Bar



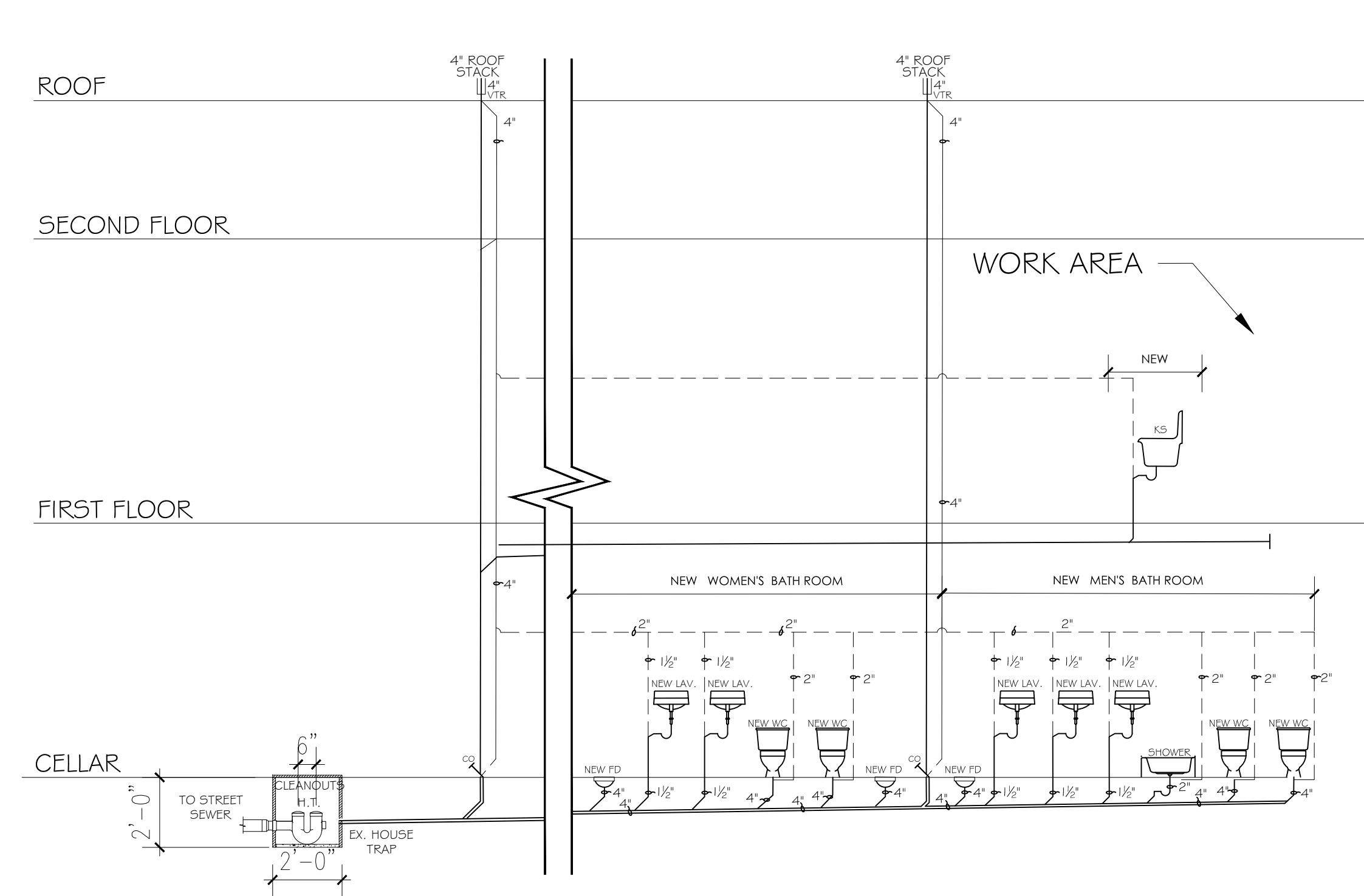
(b) Protruding Dispenser Above Grab Bar



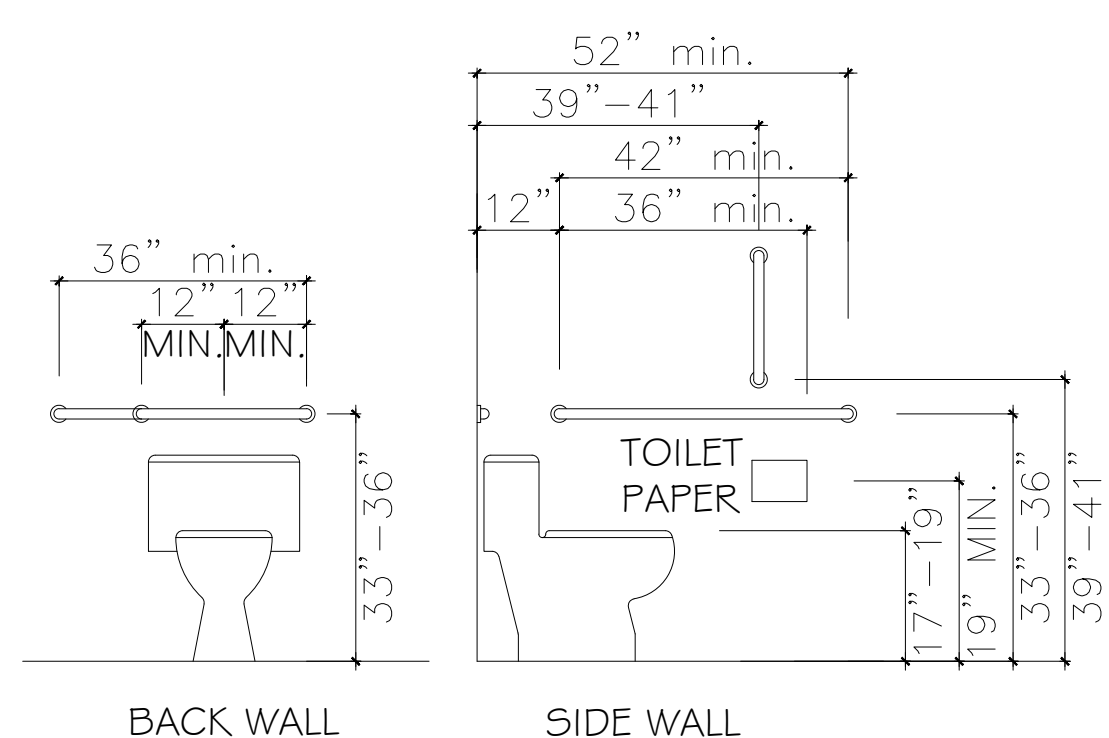
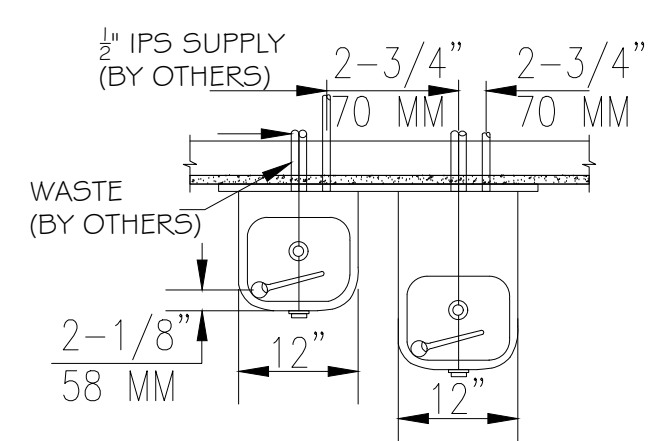
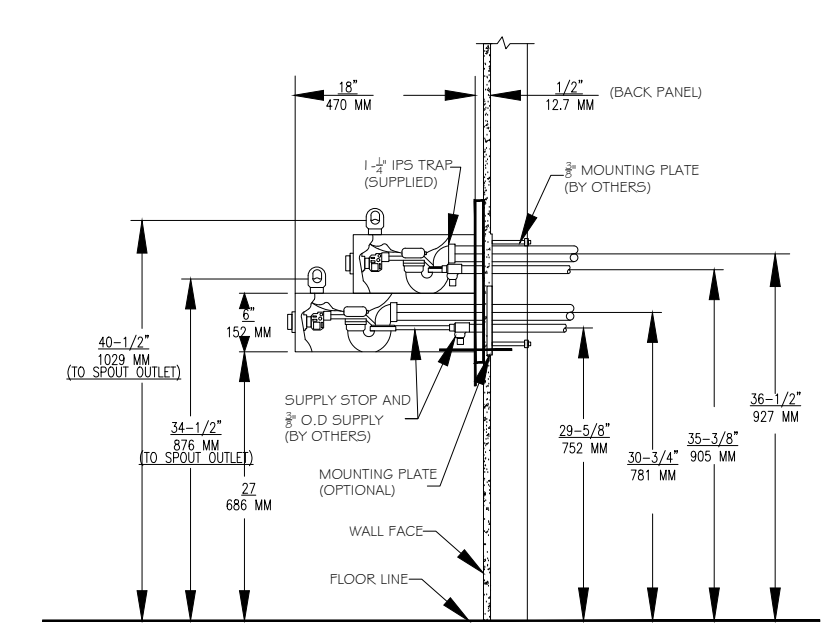
(c) Recessed Dispenser



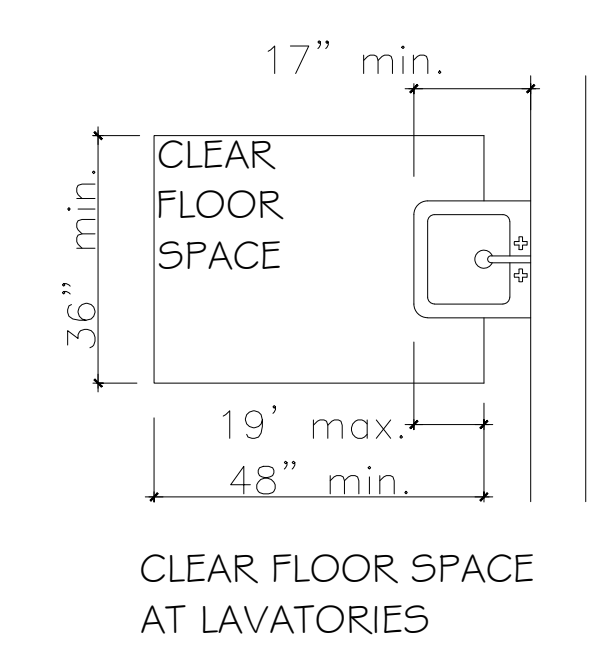
FRONT PORTION PLUMBING RISER DIAGRAM
SCALE: NTS



REAR PORTION PLUMBING RISER DIAGRAM
SCALE: NTS

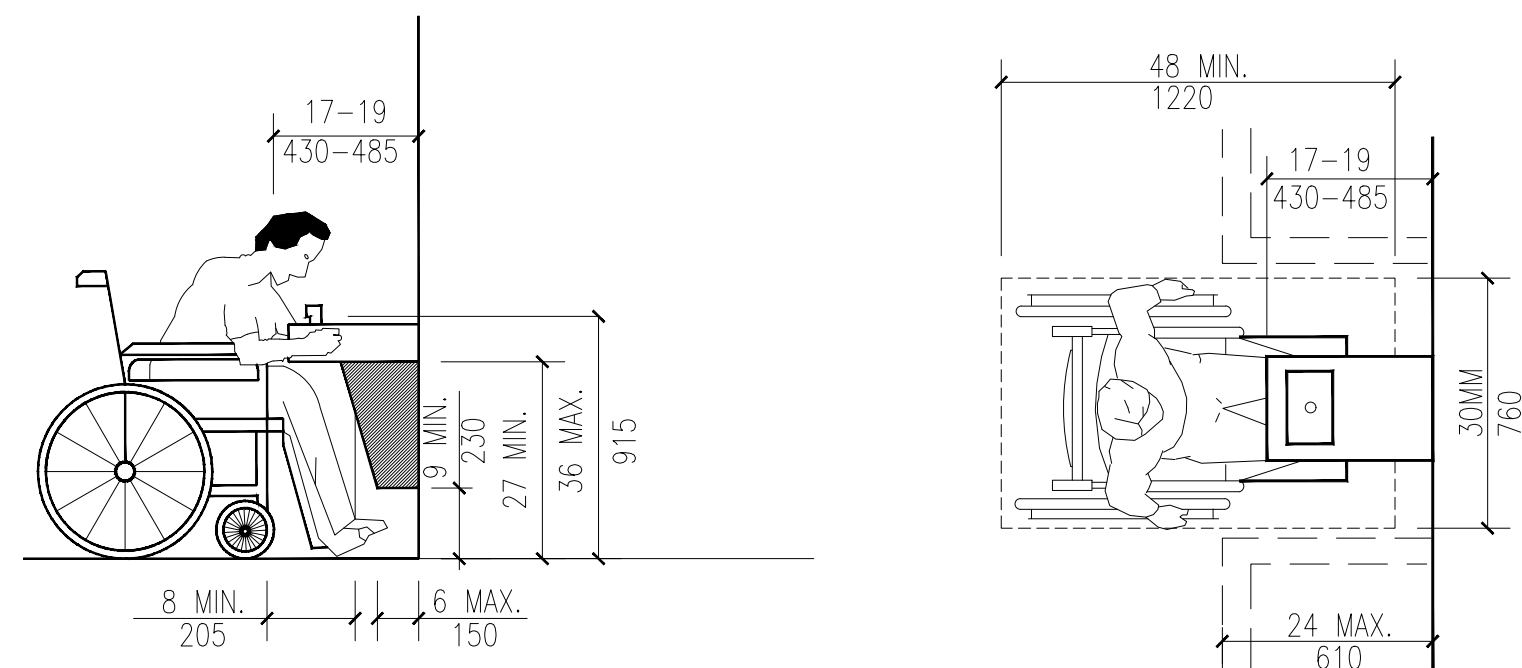
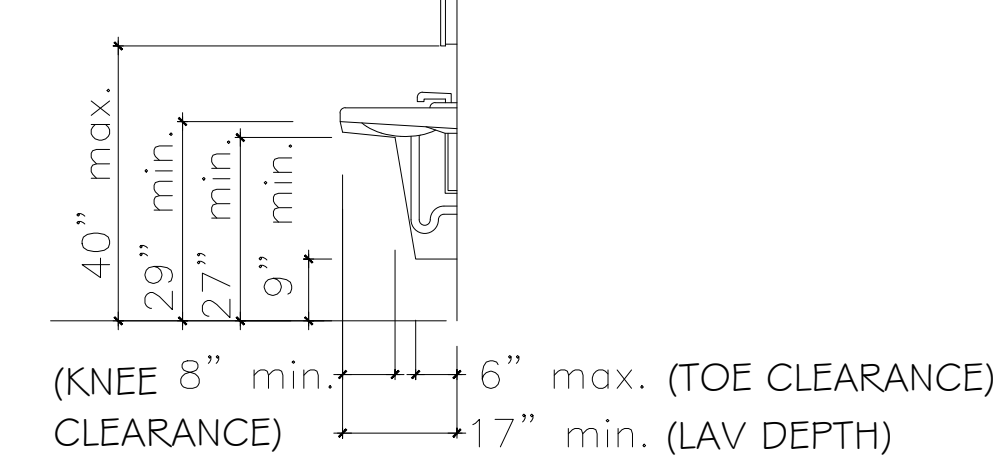


C. WATER CLOSET ELEVATIONS



B. LAVATORY CLEARANCES

NOTE: DASHED LINE INDICATES DIMENSIONAL CLEARANCE OF OPTIONAL UNDERLAVATORY ENCLOSURE.



EQUIPMENT PERMITTED IN SHADED AREA

DRINKING FOUNTAIN ADA DETAIL
SCALE: 3/16\"/>

APPROVED
04/08/2022
CHIEF BUILDING INSPECTOR
TOWN OF HEMPSTEAD, NY
PER JOSEPH NEHREBECKI