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- 7**

DESIGN / BUILD PROJECT BY:

53 CHURCH HILL ROAD

(203) 364-9460

STRUCTURAL ENGINEER:

ENGINEERING, DESIGN, CONSTRUCTION SERVICES

SCRANTON, PA. 18512

(570) 496-7020

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ELECTRICAL ENGINEER:

25 HIGH RIDGE ROAD

POUND RIDGE, NEW YORK 10576

(914) 764-9012

FIRE SUPRESION ENGINEER:

15 INDUSTRIAL PARK PLACE

MIDDLETOWN, CT 06457

(860) 632-8053

A-001	COVER SHEET
A-002	STANDARDS
A-003	LIGHT GAUGE FRAMING DETAILS
A-004	SUSPENDED CEILING DETAILS

LS-102 PARTIAL SECOND FLOOR EGRESS PLAN

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AD-101 DEMOLITION PLAN

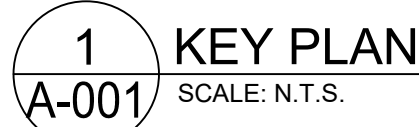
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THE PREMIER COLLECTION

251 EAST MAIN STREET
ELMSFORD, NY. 10523

[illegible]

COVER SHEET

THE PREMIER
COLLECTION

Project Number 23-12

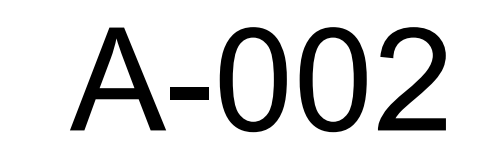
06/07/23

Drawn By JWK

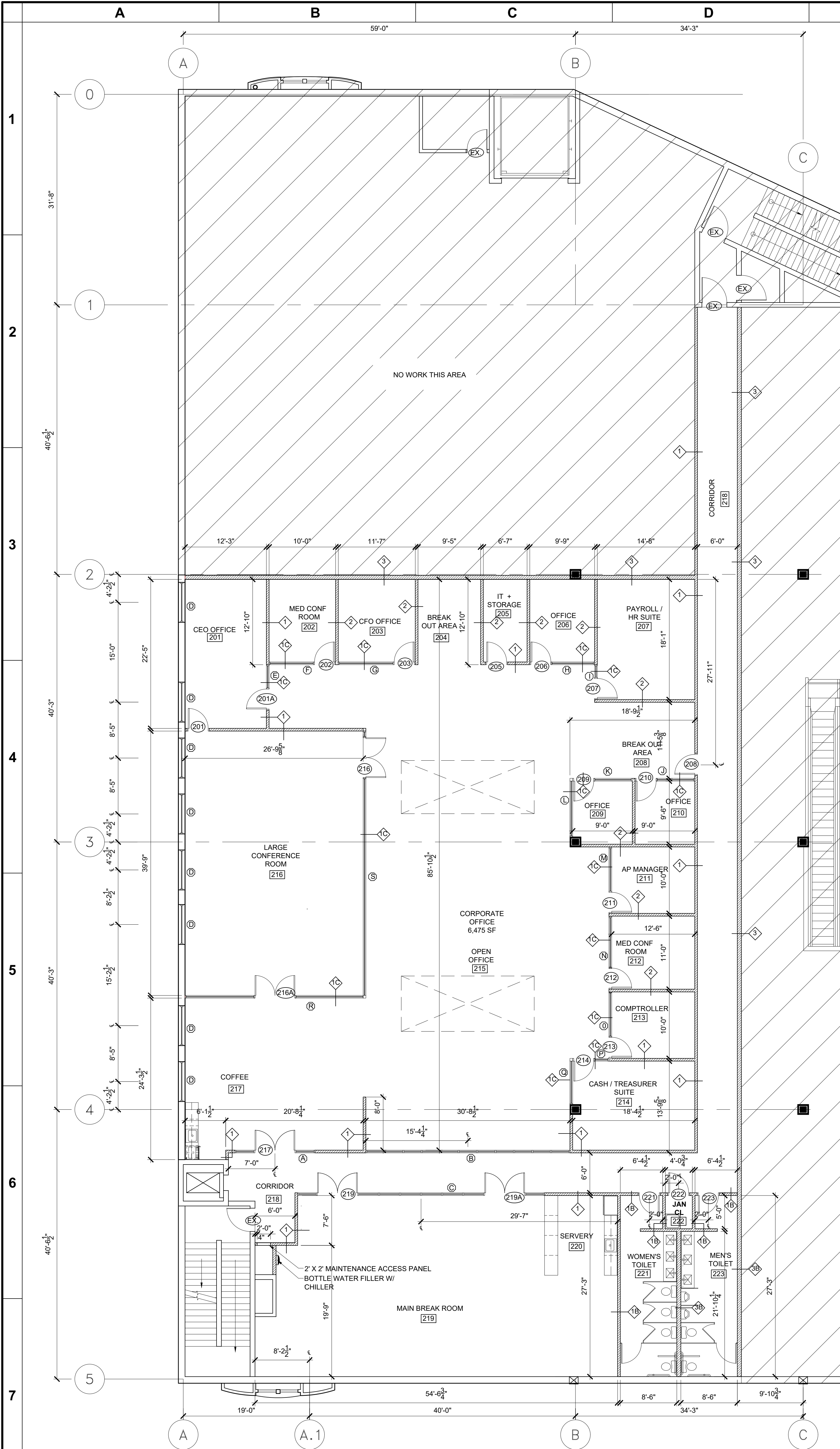
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A-001

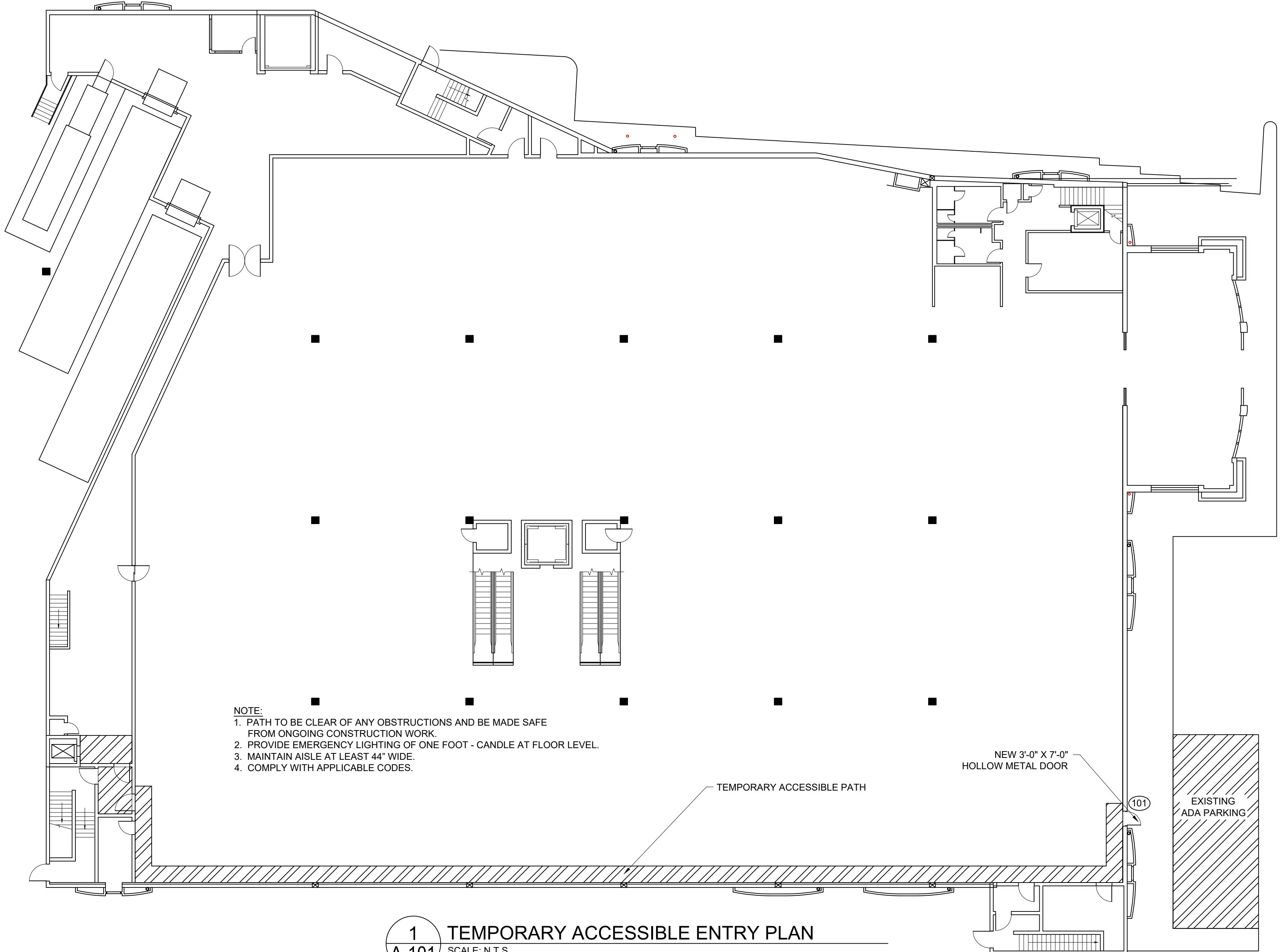
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A-004



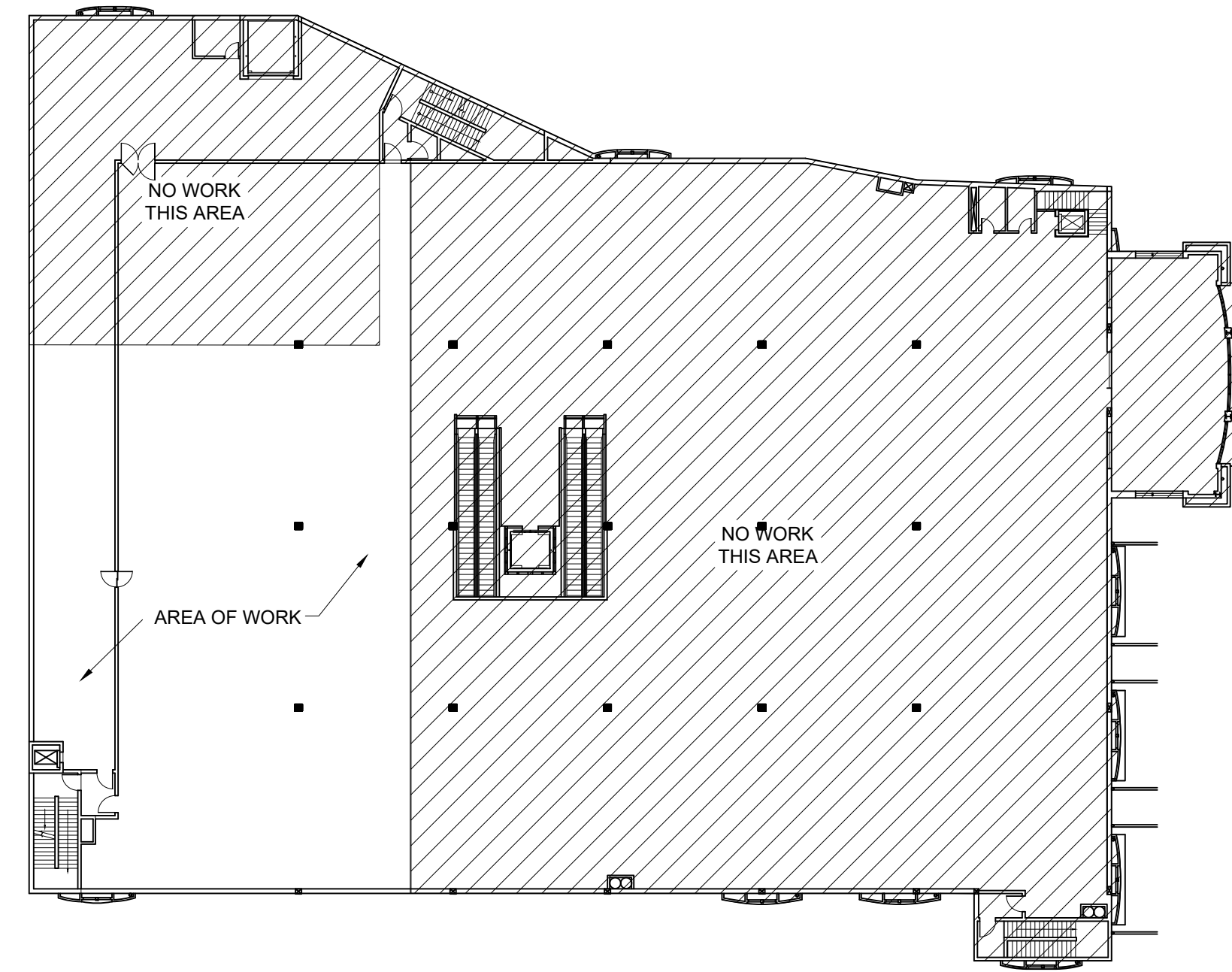
2 PARTIAL SECOND FLOOR PLAN
A-101 SCALE: 1/8"=1'-0"



1 TEMPORARY ACCESSIBLE ENTRY PLAN
SCALE: N.T.S.

- NEW INTERIOR WALL**
3 5/8" METAL STUDS, 20 GA. 16" O.C. TO UNDERSIDE OF DECK WITH ONE LAYER OF 5/8" GWB BOTH SIDES OF STUDS AND 3-1/2" UNFACED FIBERGLASS INSULATION TO FULL HEIGHT.
1A AS ABOVE WITH - OUT FIBERGLASS INSULATION.
1B AS ABOVE WITH GREEN BOARD.
1C AS ABOVE SOFFIT FROM DECK TO 8'-0" A.F.F.
- NEW INTERIOR WALL**
3 5/8" METAL STUDS, 20 GA. 16" O.C., 12" ABOVE SUSPENDED CEILING GRID WITH ONE LAYER OF 5/8" GWB ON EACH SIDE OF METAL STUDS, 3-1/2" UNFACED FIBERGLASS BATT INSULATION FULL HEIGHT.
2A AS ABOVE WITH - OUT FIBERGLASS INSULATION.
2B AS WITH GREEN BOARD.
- NEW INTERIOR WALL**
6" METAL STUDS, 20 GA. 16" O.C. TO UNDER SIDE OF DECK WITH ONE LAYER OF 5/8" GWB ON EITHER SIDE OF METAL STUDS, 5-1/2" UNFACED FIBERGLASS BATT INSULATION TO 12" ABOVE FINISHED CEILING.
3A AS ABOVE WITH - OUT FIBERGLASS INSULATION.
3B AS WITH GREEN BOARD.
- NEW INTERIOR WALL**
6" METAL STUDS, 20 GA. 16" O.C., 6" ABOVE SUSPENDED CEILING GRID WITH ONE LAYER OF 5/8" GWB ON EITHER SIDE OF METAL STUDS, 5-1/2" UNFACED FIBERGLASS BATT INSULATION FULL HEIGHT.
4A AS ABOVE WITH - OUT FIBERGLASS INSULATION.

- FLOOR PLAN NOTES:**
1. SEE WALL SECTIONS, DETAILS AND PRODUCT SPECIFICATIONS FOR INSTALLATION OF MATERIALS.
2. WALLS ARE DIMENSIONED TO FINISHED FACE. DOORS AND WINDOWS TO CENTERLINE.
3. STEEL DIMENSIONS ARE TO FACE OF STEEL OR CENTERLINE OF STEEL AS DENOTED BY STEEL GRID LINES.
4. PLUMBING FIXTURE DIMENSIONS ARE FROM CENTERLINE OF FIXTURE TO FINISHED FACE OF PARTITION.
5. PROVIDE IN WALL 2X WOOD BLOCKING FOR ALL MILLWORK, CASEWORK, COUNTERS, BATHROOM ACCESSORIES, RAILINGS AND MECHANICAL EQUIPMENT AS REQUIRED.
6. TRADES TO COORDINATE LOCATION OF ALL SUBGRADE UTILITY PENETRATIONS AND SLEEVES PRIOR TO CONTRACTOR POURING FOOTINGS AND FOUNDATION WALLS.
7. REFER TO A-002 FOR TYPICAL LIGHT GAUGE FRAMING DETAILS.
8. REFER TO FIRE PROTECTION DRAWINGS FOR ALL SPRINKLER HEAD AND PIPING SIZES AND LOCATIONS.
9. REFER TO PLUMBING DRAWINGS FOR ALL PIPING LAYOUT, SIZES AND FIXTURE SCHEDULE.
10. REFER TO MECHANICAL DRAWINGS FOR ALL HVAC LOCATIONS AND DETAILS. NOTE THIS SYSTEM IS NOT PLENUM RETURN.
11. REFER TO ELECTRICAL DRAWINGS FOR ALL EMERGENCY LIGHTING, POWER, DATA, TELEPHONE OUTLET QUANTITIES AND LOCATIONS.



3 KEY PLAN
A-101 SCALE: N.T.S.



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THE PREMIER COLLECTION

251 EAST MAIN STREET
ELMSFORD, NY. 10523

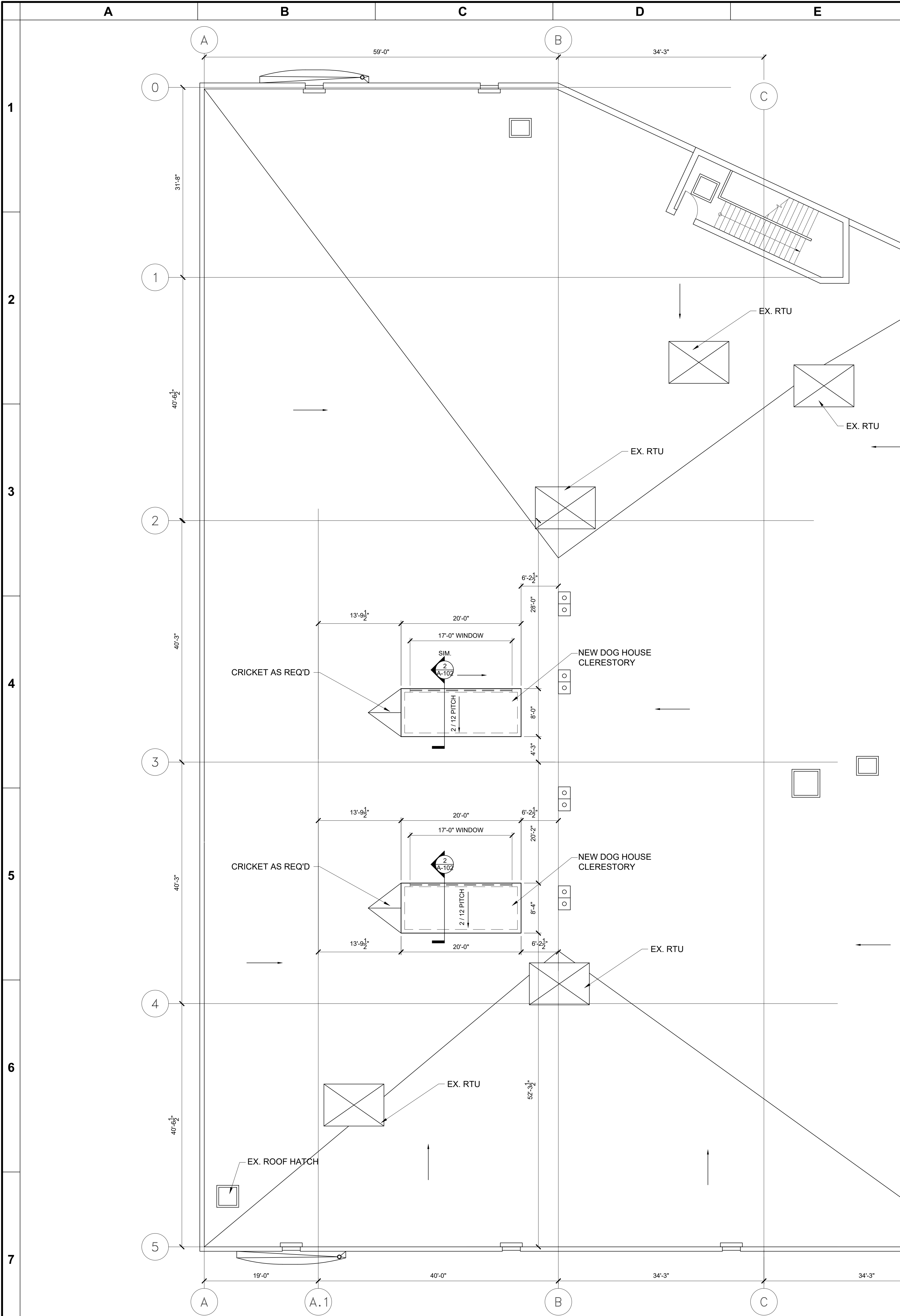
No.	Description	Date

FLOOR PLAN

THE PREMIER COLLECTION

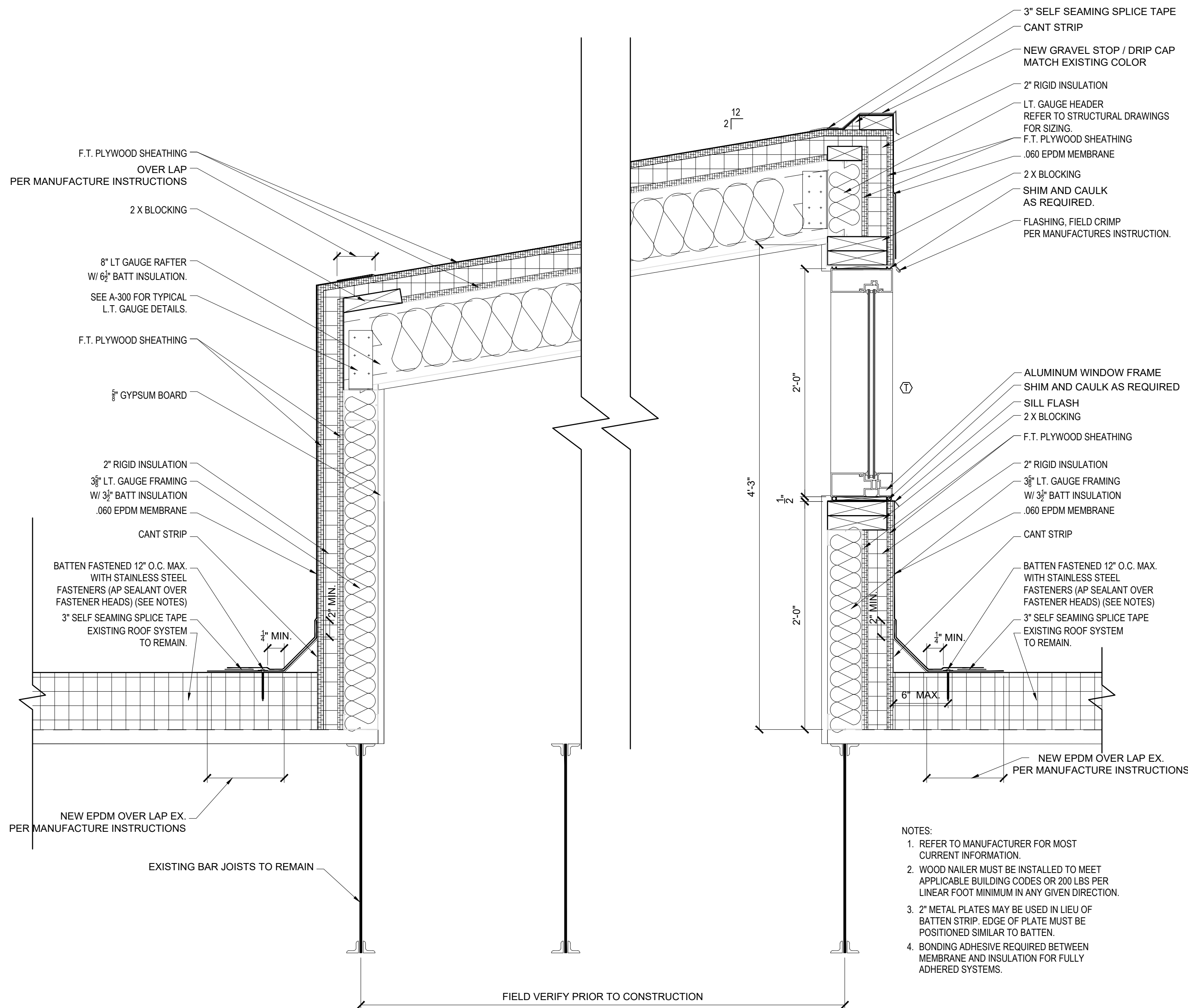
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Date	06/07/23
Drawn By	JWK
Checked By	RPM
Scale	As Noted

A-101

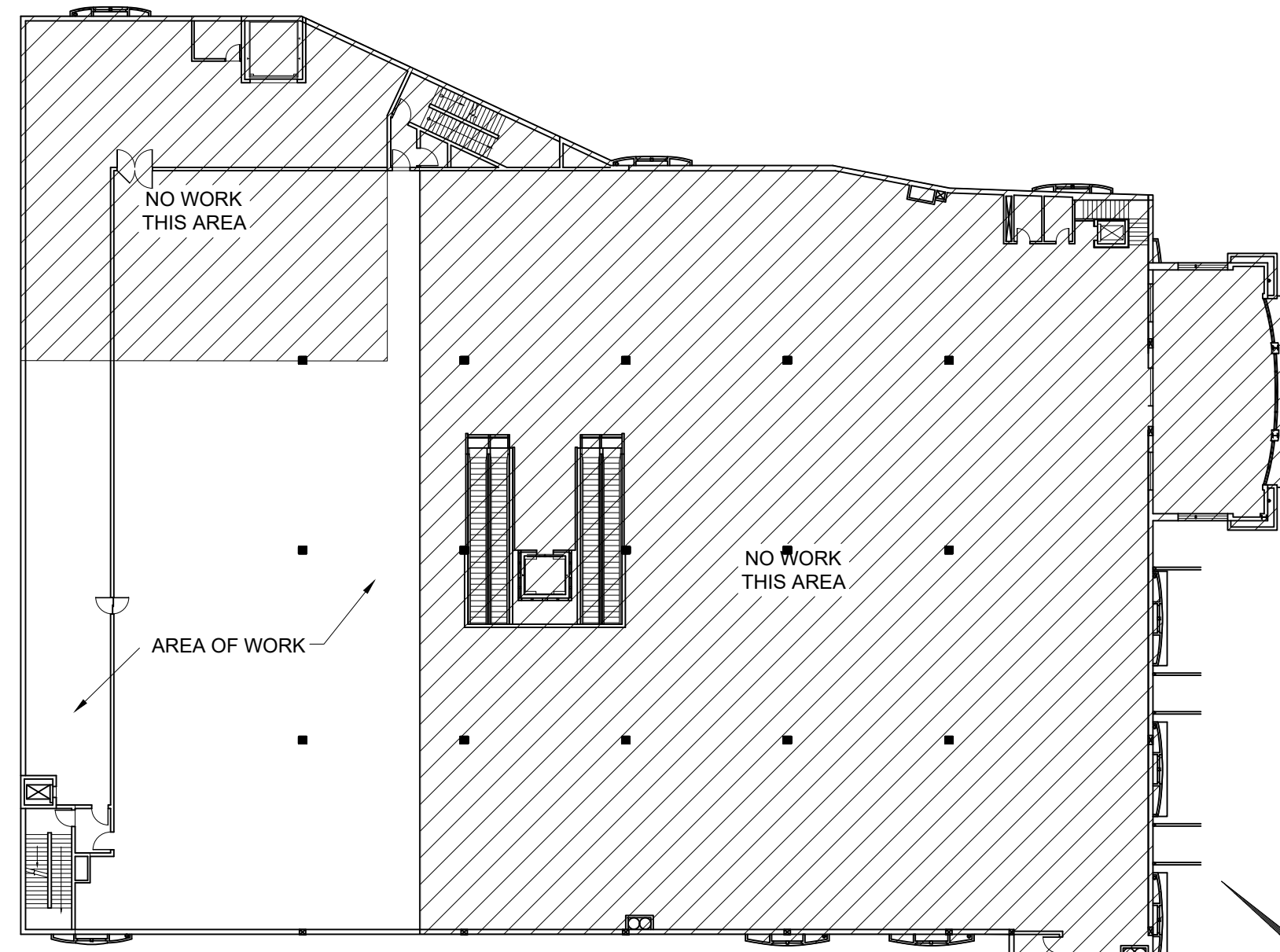


1 PARTIAL ROOF PLAN
SCALE: 1/8"= 1'-0"

ROOF NOTES:
1. COORDINATE ALL ROOF PENETRATIONS WITH GC BEFORE PROCEEDING.
2. INSTALL ALL ROOFING AND FLASHING PER MANUFACTURERS SPECIFICATIONS.
3. COORDINATE LOCATION OF ALL HVAC UNITS WITH STRUCTURAL DRAWINGS.
PROVIDE PROPER FLASHING AND CURB DETAILS PER ROOFING MANUFACTURER.



2 DOG HOUSE DETAIL
SCALE: 1/8"= 1'-0"



3 KEY PLAN
SCALE: N.T.S.



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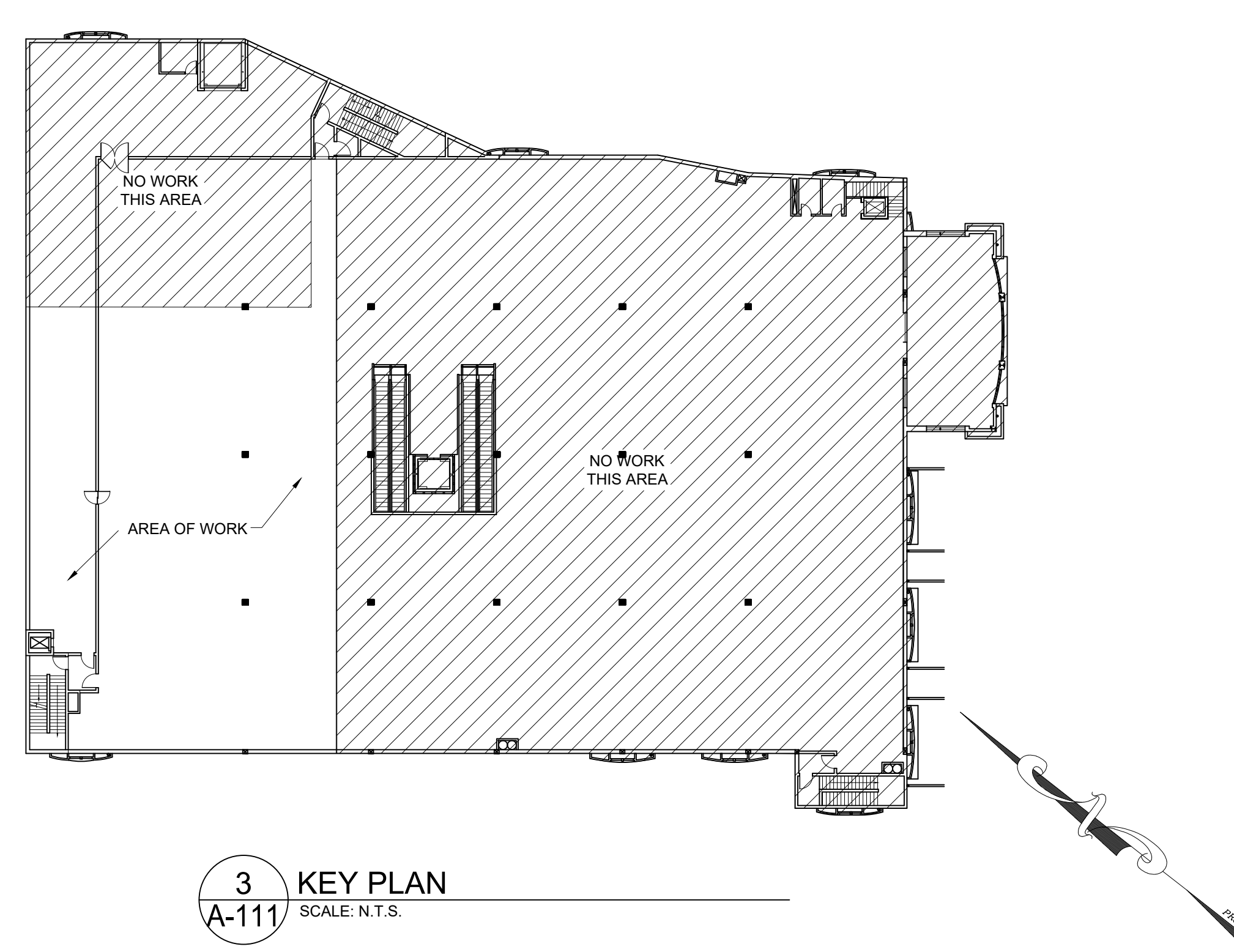
No.	Description	Date


ROOF PLAN AND
DETAIL

THE PREMIER
COLLECTION

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Checked By	RPM
Scale	As Noted

A-102





CLARIS
DESIGN • BUILD

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Newtown, Connecticut 06470
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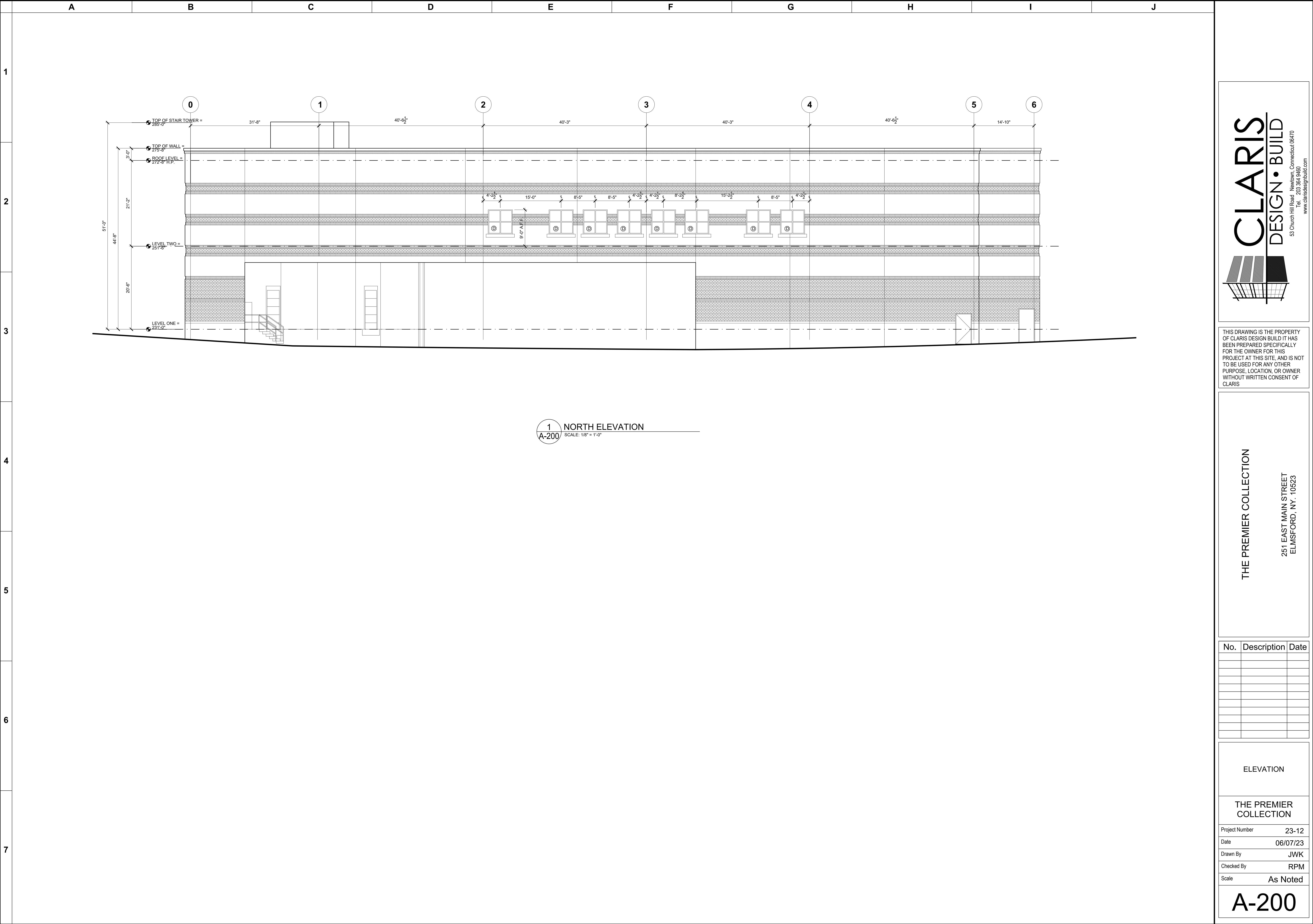
No.	Description	Date

REFLECTED CEILING PLANS

THE PREMIER COLLECTION

Project Number	23-12
Date	06/07/23
Drawn By	JWK
Checked By	RPM
Scale	As Noted

A-111



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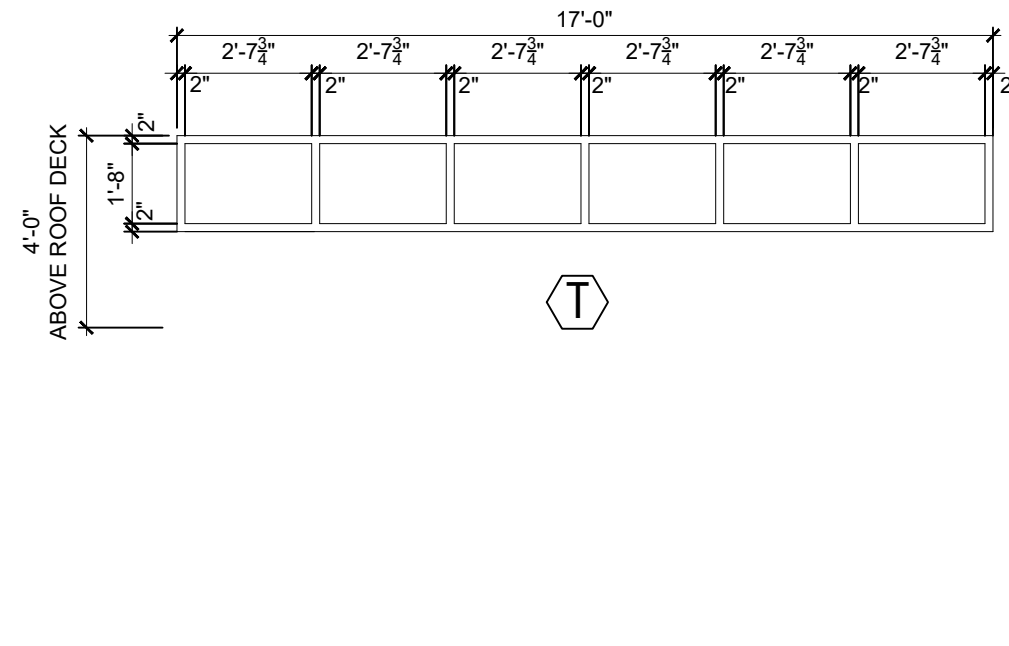
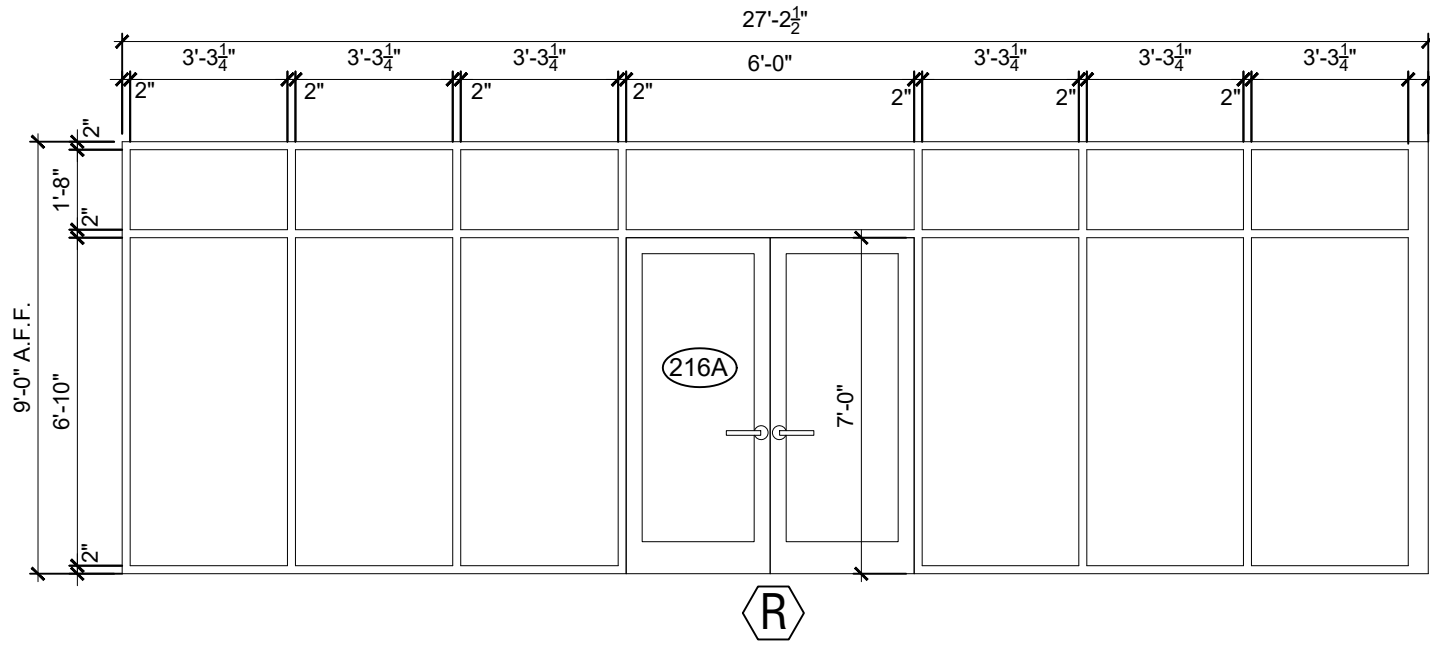
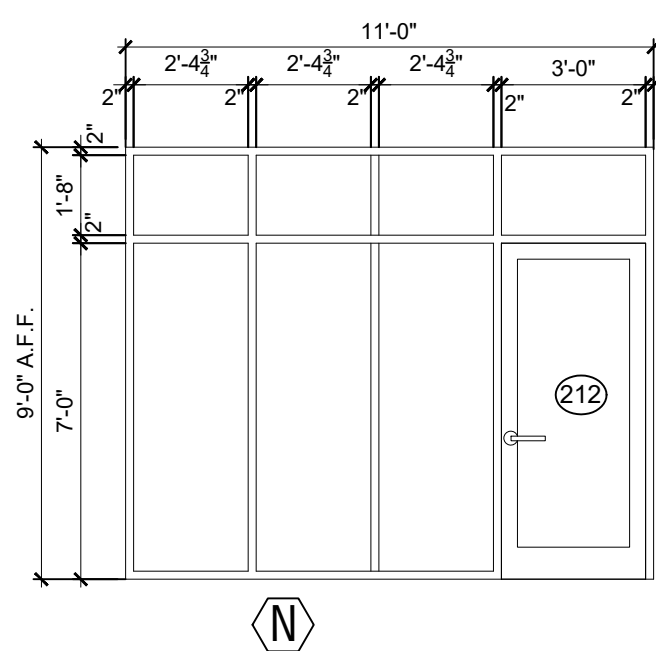
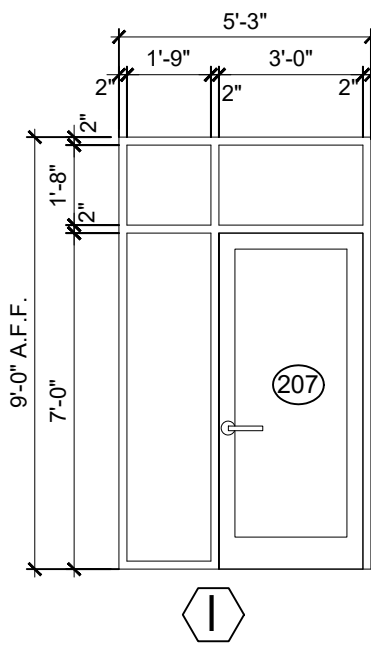
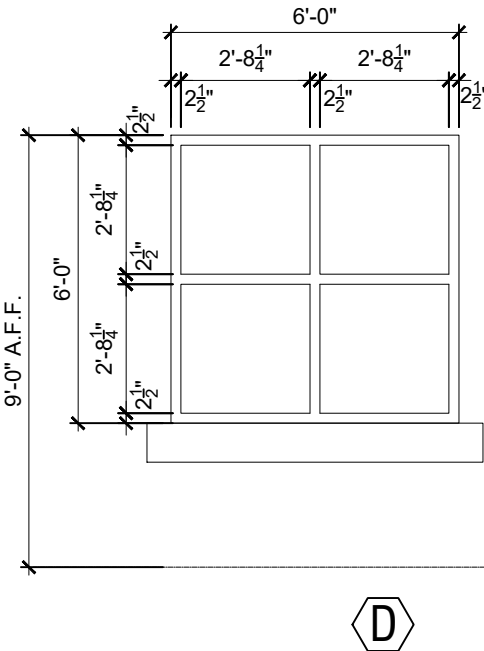
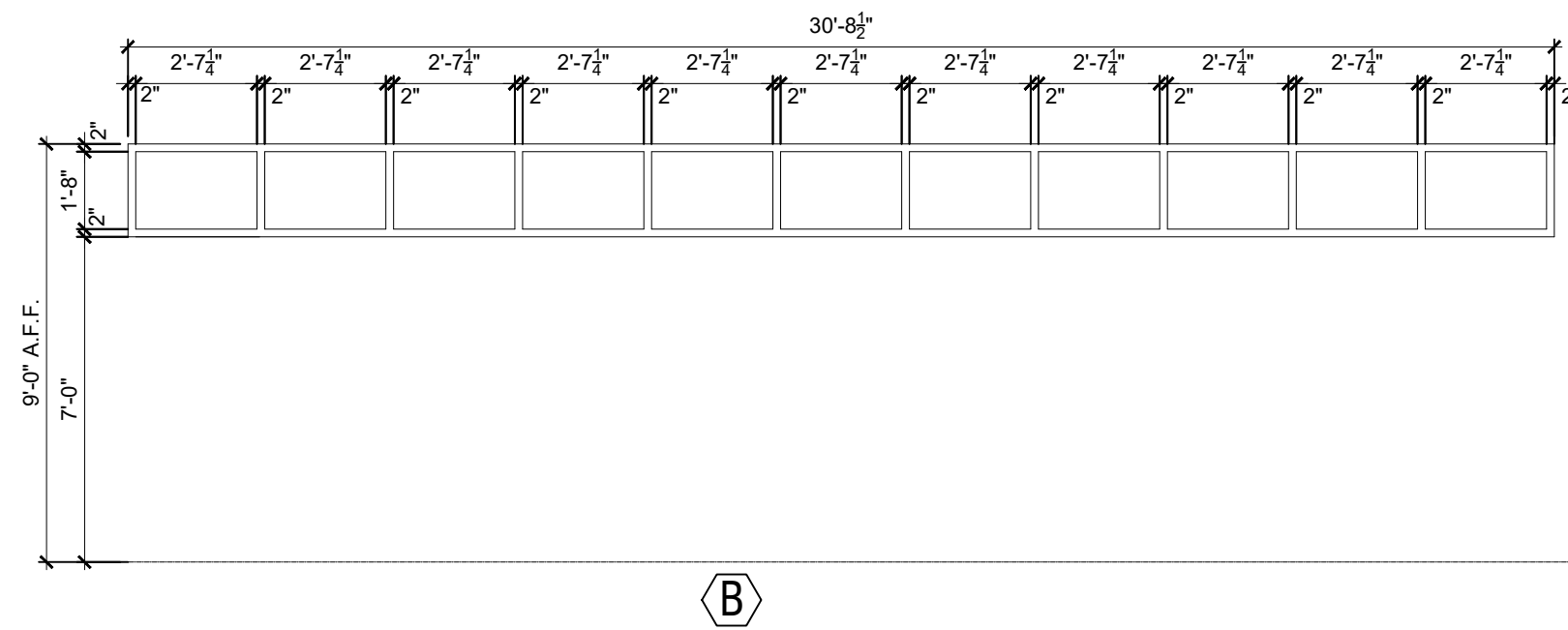
No.	Description	Date

ELEVATION

THE PREMIER COLLECTION

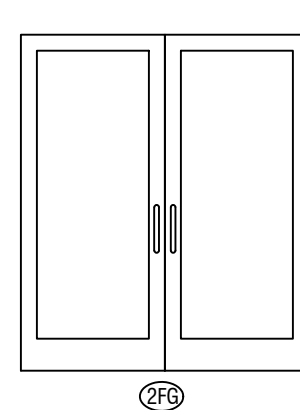
Project Number	23-12
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Checked By	RPM
Scale	As Noted

A-200



DOOR SCHEDULE										
DOOR DESIGNATION	SIZE W X H	ELEV.	MATERIAL	UL	FRAME ELEV.	FRAME MATERIAL	FRAME TYPE	THROAT	HDWR	REMARKS
101	3'-0" X 7'-0"	F	HM	2 HR	1	HM		V.I.F.	HW-7	
201	3'-0" X 7'-0"	F	WD		1	HM	KD	4-7/8"	HW-2	PRE-FINISHED WHITE BIRCH, FINISH TBD
201A	3'-0" X 7'-0"	FG	AL		1	AL	-	4-7/8"	HW-5	FULL GLASS ANODIZED ALUMINUM
202	3'-0" X 7'-0"	FG	AL		1	AL	-	4-7/8"	HW-5	FULL GLASS ANODIZED ALUMINUM
203	3'-0" X 7'-0"	FG	AL		1	AL	-	4-7/8"	HW-5	FULL GLASS ANODIZED ALUMINUM
205	3'-0" X 7'-0"	F	WD		1	HM	KD	4-7/8"	HW-3	PRE-FINISHED WHITE BIRCH, FINISH TBD
206	3'-0" X 7'-0"	FG	AL		1	AL	-	4-7/8"	HW-5	FULL GLASS ANODIZED ALUMINUM
207	3'-0" X 7'-0"	FG	AL		1	AL	-	4-7/8"	HW-5	FULL GLASS ANODIZED ALUMINUM
208	3'-0" X 7'-0"	F	WD		1	HM	KD	4-7/8"	HW-2	PRE-FINISHED WHITE BIRCH, FINISH TBD
209	3'-0" X 7'-0"	FG	AL		1	AL	-	4-7/8"	HW-5	FULL GLASS ANODIZED ALUMINUM
210	3'-0" X 7'-0"	FG	AL		1	AL	-	4-7/8"	HW-5	FULL GLASS ANODIZED ALUMINUM
211	3'-0" X 7'-0"	FG	AL		1	AL	-	4-7/8"	HW-5	FULL GLASS ANODIZED ALUMINUM
212	3'-0" X 7'-0"	FG	AL		1	AL	-	4-7/8"	HW-5	FULL GLASS ANODIZED ALUMINUM
213	3'-0" X 7'-0"	FG	AL		1	AL	-	4-7/8"	HW-5	FULL GLASS ANODIZED ALUMINUM
214	3'-0" X 7'-0"	FG	AL		1	AL	-	4-7/8"	HW-5	FULL GLASS ANODIZED ALUMINUM
216	6'-0" X 7'-0"	2FG	AL		1	AL	-	4-7/8"	HW-6	FULL GLASS ANODIZED ALUMINUM
216A	6'-0" X 7'-0"	2FG	AL		1	AL	-	4-7/8"	HW-6	FULL GLASS ANODIZED ALUMINUM
217	6'-0" X 7'-0"	2FG	AL		1	AL	-	4-7/8"	HW-1	FULL GLASS ANODIZED ALUMINUM
219	6'-0" X 7'-0"	2FG	AL		1	AL	-	4-7/8"	HW-1	FULL GLASS ANODIZED ALUMINUM
219A	6'-0" X 7'-0"	2FG	AL		1	AL	-	4-7/8"	HW-1	FULL GLASS ANODIZED ALUMINUM
221	3'-0" X 7'-0"	F	WD		1	HM	KD	4-7/8"	HW-4	PRE-FINISHED WHITE BIRCH, FINISH TBD
222	3'-0" X 7'-0"	F	WD		1	HM	KD	4-7/8"	HW-4	PRE-FINISHED WHITE BIRCH, FINISH TBD
223	3'-0" X 7'-0"	F	WD		1	HM	KD	4-7/8"	HW-4	PRE-FINISHED WHITE BIRCH, FINISH TBD

DOOR TYPES



ABBREVIATIONS & NOMENCLATURES:

- HM = HOLLOW METAL
ST = STEEL
AL = ALUMINUM
CL = CHAINLINK
WLD = WELDED
- WD = WOOD
GAL = GALVANIZED
KD = KNOCK DOWN
FB = FABRIC

* DOOR IS NOT IN A WALL TYPE WHERE JAMB SURROUNDS WALL. (CMU)

HW-4

EACH TO HAVE:
3 HINGES
1 PUSH/PULL
1 CLOSER
1 STOP
3 SILENCERS

HW-7

EACH TO HAVE:
3 SS HINGES TAMPER PROOF
1 STORE LOCK SET
1 CLOSER
1 WEATHER STRIPPING / SWEEP
1 THRESHOLD
3 SILENCERS

1. 1/2" SINGLE PANE, SAFETY GLASS AS REQUIRED.
2. ALL SAFETY GLAZING AS PER 2406.3. VERIFY PRIOR TO INSTALLATION.
3. ALL ALUMINUM FRAME FINISHES TO BE ANODIZED.
4. FIELD VERIFY ALL ROUGH OPENINGS PRIOR TO FABRICATION AND INSTALLATION.
5. ALL EXTERIOR GLAZING TO BE 1" INSULATED, LOW E WITH SOLARBAN 70 OR EQUAL.

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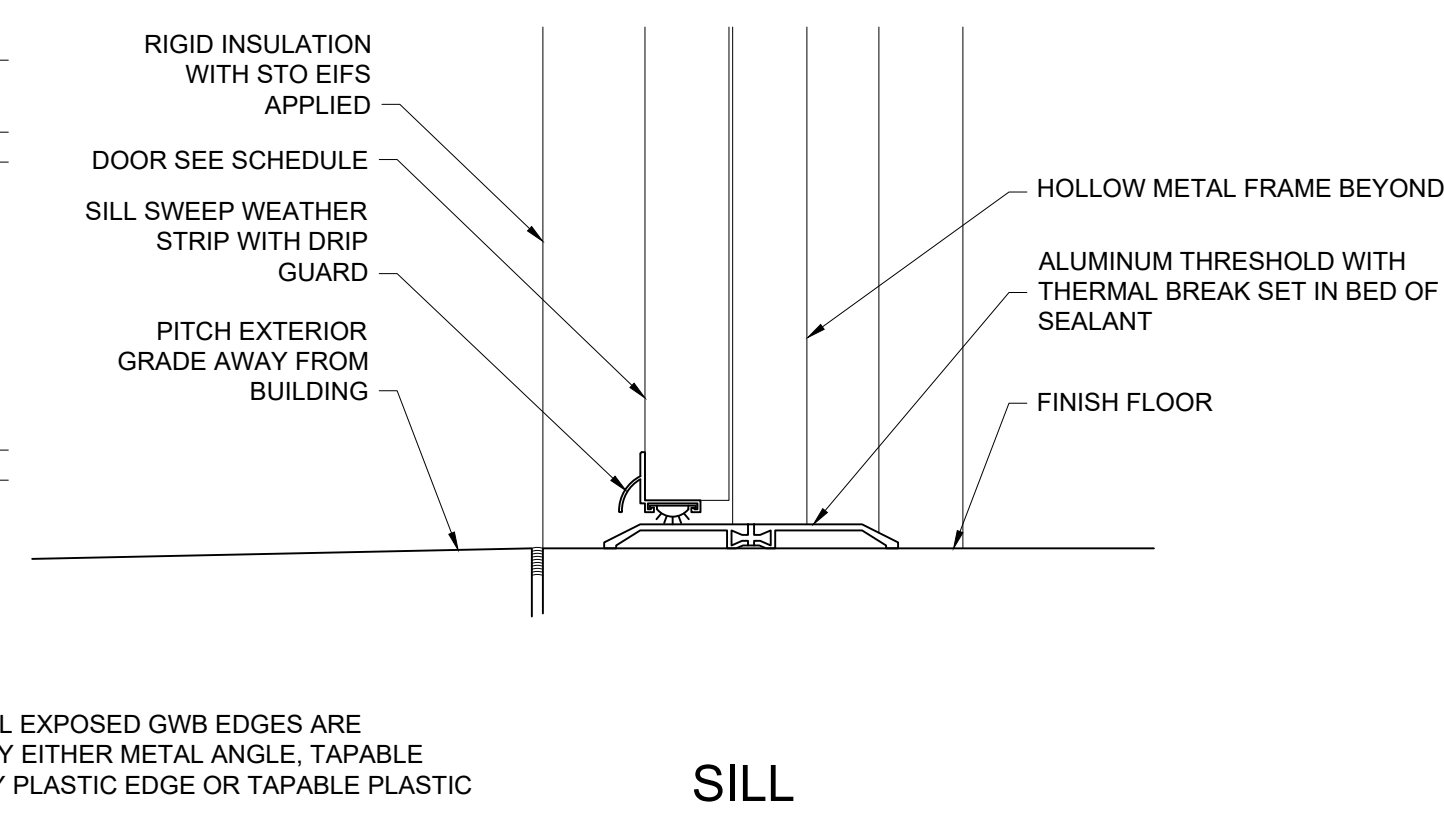
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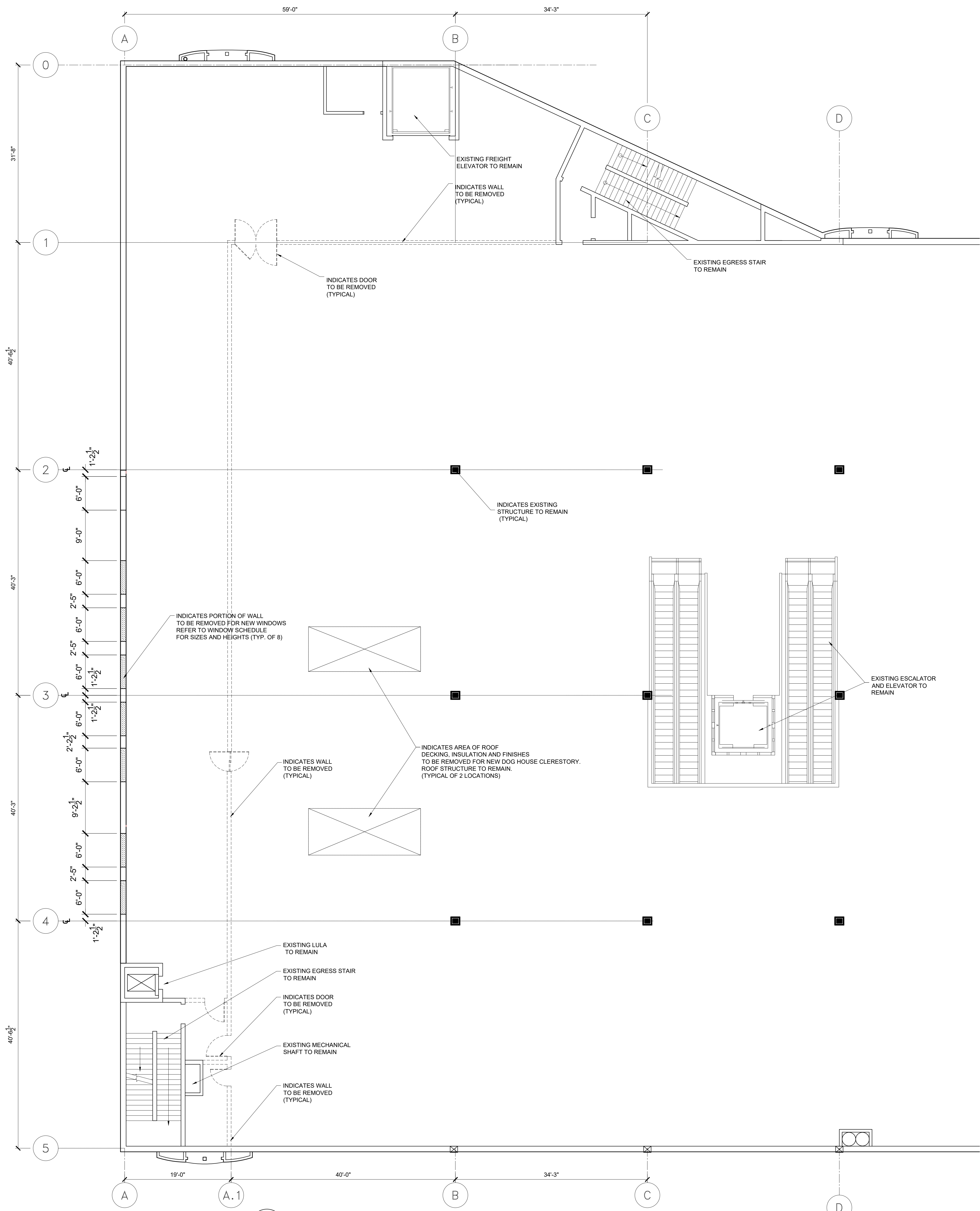
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Scale	As Noted

A-600



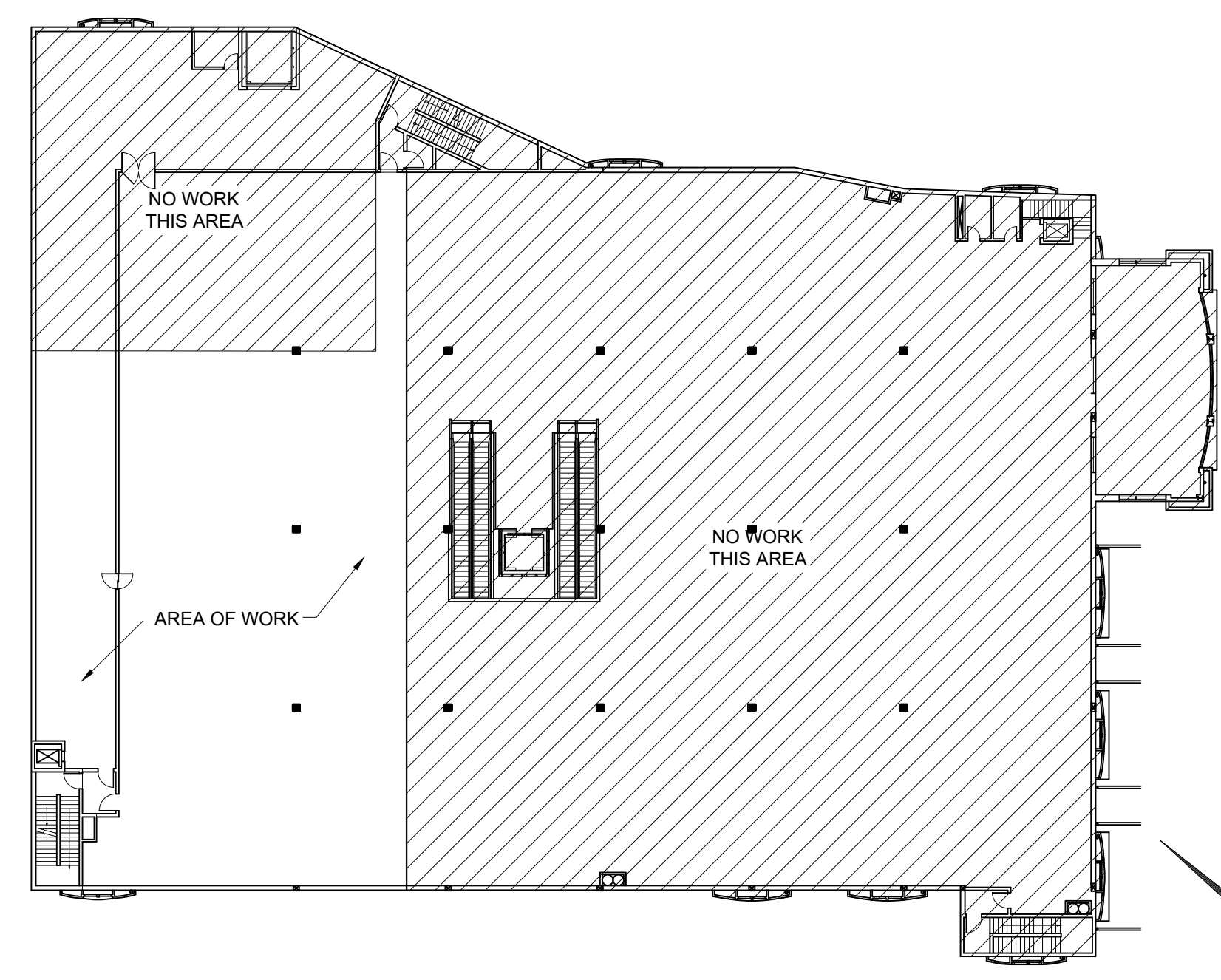
5 EXTERIOR WINDOW @ EIFS WALL DETAILS
A-601 SCALE: NTS

A-601



1 PARTIAL SECOND FLOOR DEMOLITION PLAN
AD-101 SCALE: 1/8"=1'-0"

- DEMOLITION NOTES:**
- ===== DENOTES WALLS TO BE DEMOLISHED.
1. COMPLY WITH APPLICABLE LOCAL, STATE AND FEDERAL CODES AND REGULATIONS PERTAINING TO SAFETY OF PERSONS, PROPERTY AND ENVIRONMENTAL PROTECTION.
 2. PROVIDE AND MAINTAIN BARRICADES, LIGHTING, AND GUARDRAILS AS REQUIRED BY BEST PRACTICE STANDARDS, APPLICABLE CODES AND REGULATIONS TO PROTECT OCCUPANTS OF BUILDING AND WORKERS.
 3. ERECT AND MAINTAIN DUSTPROOF PARTITIONS AS REQUIRED TO PREVENT SPREAD OF DUST, FUMES, AND SMOKE, ETC. TO OTHER PARTS OF THE BUILDING.
 4. IF DEMOLITION IS PERFORMED IN EXCESS OF THAT REQUIRED, RESTORE AFFECTED AREAS AT NO COST TO THE OWNER.
 5. THE DEMOLITION CONTRACTOR SHALL FURNISH ALL LABOR, MATERIALS, AND EQUIPMENT AS REQUIRED TO COMPLETE DEMOLITION.
 6. REMOVE FROM SITE DAILY AND LEGALLY DISPOSE OF REFUSE, DEBRIS, RUBBISH, AND OTHER MATERIALS RESULTING FROM DEMOLITION OPERATIONS. EXCEPT THOSE ITEMS TO BE REUSED, RETURNED TO OWNER, OR OTHERWISE DIRECTED.
 7. REMOVE DESIGNATED PARTITIONS, COMPONENTS, BUILDING EQUIPMENT, AND FIXTURES AS REQUIRED FOR NEW WORK.
 8. REMOVE ABANDONED HVAC EQUIPMENT, INCLUDING DUCT WORK.
 9. REMOVE ABANDONED ELECTRICAL, TELEPHONE AND DATA CABLES AND DEVICES, UNLESS OTHERWISE NOTED. ALL EXISTING LIGHTING AND ELECTRICAL DEVICES SLATED FOR DEMOLITION TO BE DISCONNECTED AND MADE SAFE PRIOR TO REMOVAL. IF LIGHTING DEVICES, BULBS OR BALLASTS ARE REQUIRED TO BE REMOVED AS HAZARDOUS MATERIAL, IT IS THE RESPONSIBILITY OF THE DEMOLITION CONTRACTOR.
 10. REMOVE EXISTING FLOOR FINISHES AND PREPARE SUBFLOOR AS REQUIRED BY G.C. FOR NEW FLOOR FINISHES.
 11. REMOVE EXISTING WALL/COLUMN (SUCH AS WALL COVERING, SPRAYED ON FINISHES, ADHESIVE BACKED APPLIED MATERIAL, TILE, AND/OR MILLWORK, ETC.) AS REQUIRED TO PREPARE SURFACE FOR NEW FINISHES U.O.N.
 12. REMOVE EXISTING INTERIOR AND EXTERIOR DOORS AS NOTED FOR NEW CONSTRUCTION. MATCH AND PATCH EXTERIOR AND INTERIOR FINISHES AS REQUIRED.
 13. REMOVE ALL EXISTING INTERIOR WALLS AS SHOWN. PREPARE ALL REMAINING WALLS FOR NEW FINISHES. REMOVE ALL NAILS, SCREWS, MATCH AND PATCH GYPSUM BOARD AS REQUIRED FOR NEW FINISHES.



3 KEY PLAN
AD-101 SCALE: N.T.S.



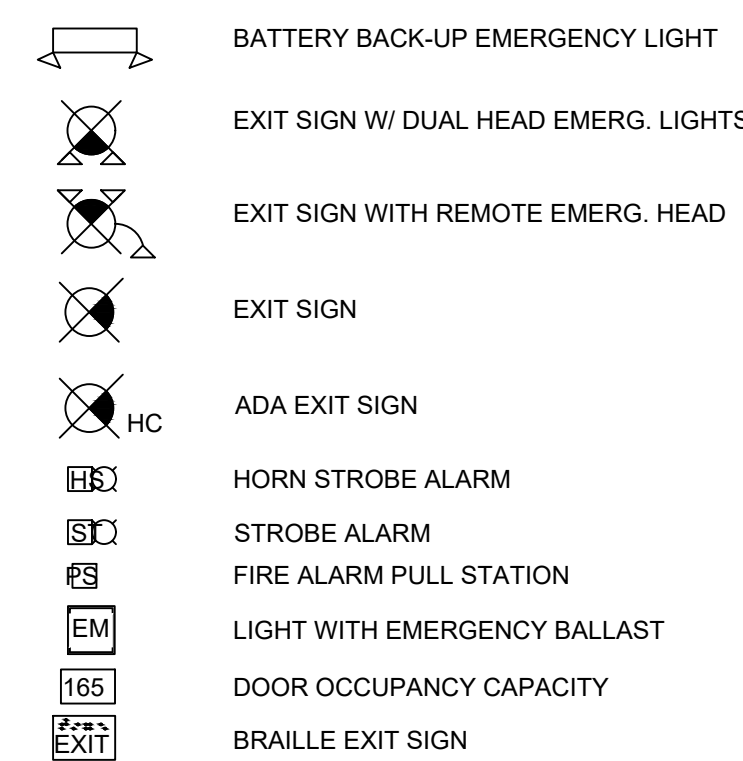
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THE PREMIER COLLECTION
251 EAST MAIN STREET
ELMSFORD, NY. 10523

No.	Description	Date

DEMOLITION PLANS	
THE PREMIER COLLECTION	
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AD-101



X PATH OF TRAVEL SYMBOLS

PATH OF TRAVEL (EGRESS) xxx'-x"

NOTE:

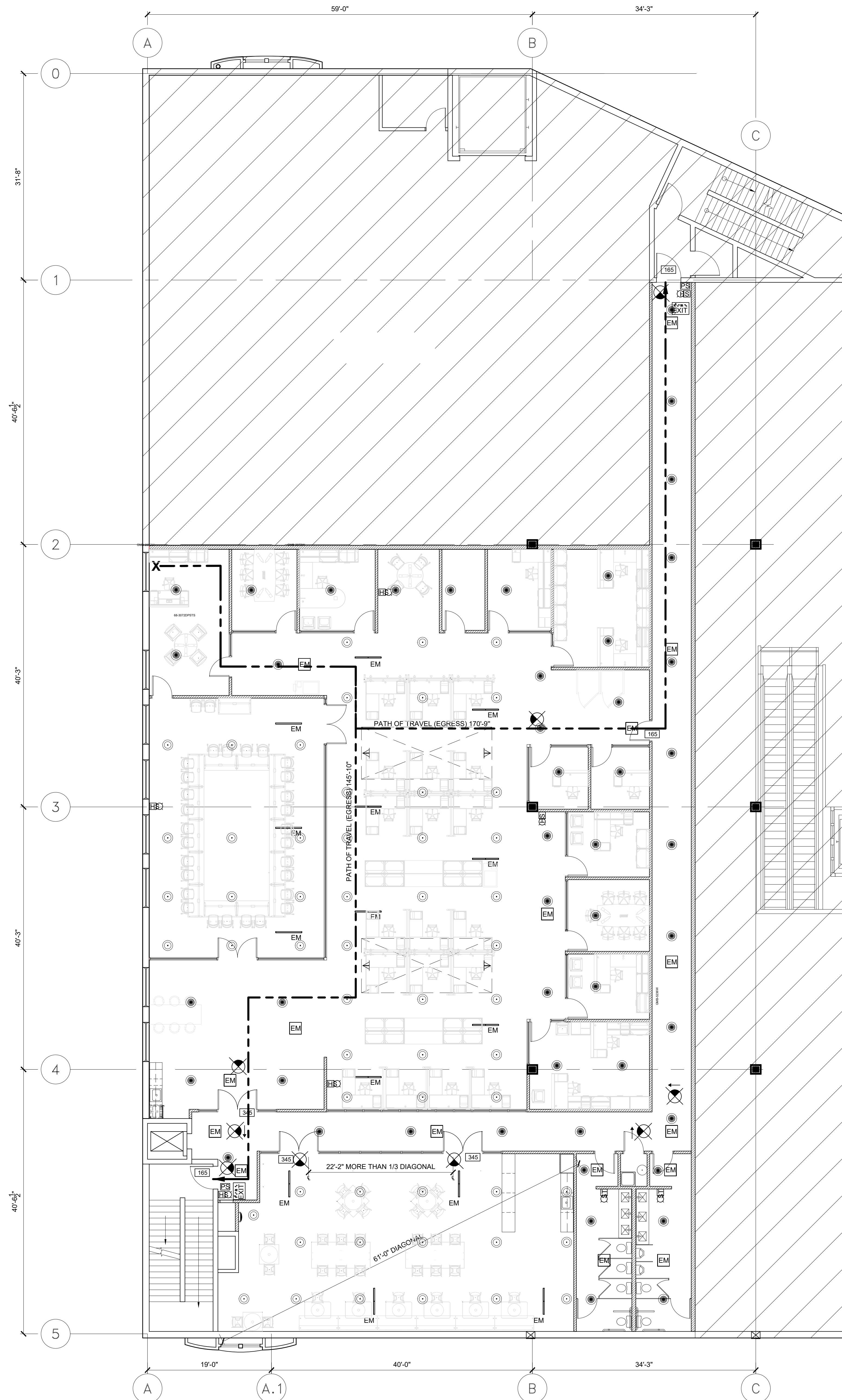
FIRE PROTECTION SYSTEM
TO BE DESIGNED IN ACCORDANCE WITH
NFPA-13 REGULATIONS. SPRINKLER
CONTRACTOR TO PROVIDE ENGINEERED
SHOP DRAWINGS TO THE VILLAGE OF ELMFORD
FIRE MARSHALL FOR APPROVAL.

FIRE DEPARTMENT NOTES:

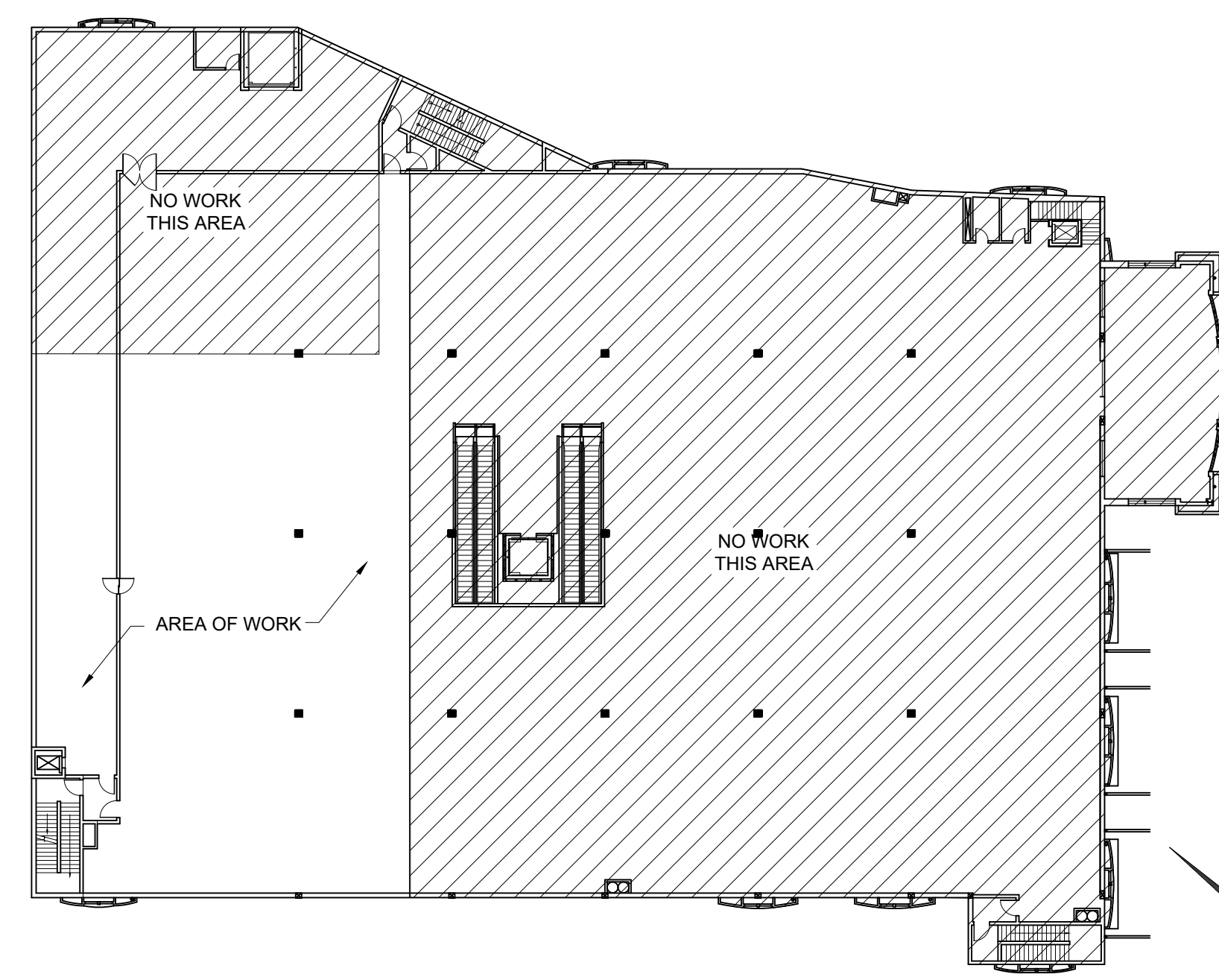
1. PROVIDE EXIT SIGN WITH LETTERS OVER REQUIRED EXITS, WHERE SHOWN ON DRAWINGS, AND ADDITIONAL SIGNS AS REQUIRED BY BUILDING DEPARTMENT INSPECTOR OR FIRE DEPARTMENT FIELD INSPECTOR. CONNECT EXIT SIGNS TO EMERGENCY POWER CIRCUITS OR BATTERY BACKUP, COMPLY WITH BUILDING CODES.
2. PROVIDE EMERGENCY LIGHTING OF ONE FOOT - CANDLE AT FLOOR LEVEL. COMPLY WITH BUILDING CODES.
3. MAINTAIN DOOR AS AT LEAST 44" WIDE AT PUBLIC AREAS.
4. EVERY EXIT ASSEMBLY SHALL BE OPERABLE FROM THE INSIDE WITHOUT THE USE OF A KEY OR ANY SPECIAL KNOWLEDGE OR EFFORT. SPECIAL LOCKING DEVICES SHALL BE OF AN APPROVED TYPE. ALL NEW DOORS SHALL HAVE APPROVED LEVER HANDLES.
5. DOORS OPENING INTO REQUIRED 1-HOUR, FIRE-RESISTIVE CORRIDORS SHALL BE PROTECTED WITH A SMOKE OR DRAFT STOP ASSEMBLY HAVING A 20-MINUTE RATING AND SHALL BE SELF-CLOSING.
6. EXIT DOORS SHALL SWING IN THE DIRECTION OF TRAVEL WHEN SERVING 50 OR MORE PERSONS AND IN ANY HAZARDOUS AREA.
7. INTERIOR WALL AND CEILING FINISHES FOR EXIT CORRIDOR SHALL NOT EXCEED AN END POINT FLAME SPREAD RATING: A. CLASS 1, FLAME SPREAD ≤ 25, SMOKE DENSITY 150, FOR MATERIALS INSTALLED IN VERTICAL EXITS. B. CLASS 1, FLAME SPREAD ≤ 25, SMOKE DENSITY 300, FOR MATERIALS INSTALLED IN HORIZONTAL EXITS. C. CLASS III, FLAME SPREAD 76-200, SMOKE DENSITY 450, FOR MATERIALS INSTALLED IN ANY OTHER LOCATION.
8. DECORATIONS (CURTAINS, DRAPES, SHADES, HANGINGS, ETC) SHALL BE NON-COMBUSTIBLE OR BE FLAME PROOFED IN AN APPROVED MANNER.
9. PROVIDE FIRE DAMPERS OR DOORS WHERE AIR DUCTS PENETRATE FIRE-RATED WALLS OR CEILINGS.
10. STORAGE, DISPENSING OR USE OF ANY FLAMMABLE OR COMBUSTIBLE LIQUIDS, FLAMMABLE GAS AND HAZARDOUS SUBSTANCES SHALL COMPLY WITH UNIFORM FIRE CODE REGULATIONS.
11. WOOD BLOCKING SHALL BE FIRE/TREATED IN ACCORDANCE WITH APPLICABLE CODE REQUIREMENTS.
12. EXTEND OR MODIFY EXISTING FIRE/LIFE SAFETY SYSTEM AS REQUIRED TO PROVIDE AN APPROVED FIRE/LIFE SAFETY SYSTEM SUBMIT PLANS TO FIRE DEPARTMENT WITH COMPLETE DESCRIPTION OF SEQUENCE OF OPERATION, AND OBTAIN APPROVAL PRIOR TO INSTALLATION.
13. LOCATE THE CENTER OF FIRE ALARM INITIATING DEVICES 48" ABOVE THE LEVEL OF THE FLOOR, WORKING PLATFORM, GROUND SURFACE OR SIDEWALK.
14. EMERGENCY WARNING SYSTEMS SHALL ACTIVATE A MEANS OF WARNING THE HEARING IMPAIRED. FLASHING VISUAL WARNING SHALL HAVE A FREQUENCY OF NOT MORE THAN 60 FLASHES PER MINUTE.
15. EXTEND OR MODIFY EXISTING AUTOMATIC FIRE EXTINGUISHING SYSTEM AS REQUIRED TO PROVIDE AN APPROVED AUTOMATIC FIRE EXTINGUISHING SYSTEM. SUBMIT PLANS TO FIRE DEPARTMENT AND OBTAIN APPROVAL PRIOR TO INSTALLATION.
16. AUTOMATIC SPRINKLER SYSTEMS SHALL BE SUPERVISED BY AN APPROVED CENTRAL, PROPRIETARY OR REMOTE STATION SERVICE OR A LOCAL ALARM WHICH WILL GIVE AN AUDIBLE SIGNAL AT A CONSTANTLY ATTENDED LOCATION.

NOTE:

1. FOR SPRINKLER SYSTEM LAYOUT AND DESIGN SEE FIRE PROTECTION PLAN.
2. SEE ELECTRICAL DRAWINGS FOR COMPLETE LIGHTING AND EMERGENCY FIXTURE LAYOUT.
3. SEE HVAC DRAWINGS FOR DESIGN, LOCATION AND SIZE OF SYSTEM.
4. ALL BUILDING STEEL TO BE PROPERLY BONDED AND GROUNDED.



1 PARTIAL SECOND FLOOR EGRESS PLAN
LS-102 SCALE: 1/8" = 1'-0"



2 KEY PLAN
LS-102 SCALE: N.T.S.



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THE PREMIER COLLECTION

251 EAST MAIN STREET
ELMSFORD, NY. 10523

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EGRESS PLAN

THE PREMIER
COLLECTION

















Project Number	23-12
Date	06/07/23
Drawn By	JWK
Checked By	RPM
Scale	As Noted

LS-102



NOTE:

DRAWINGS ARE DIAGRAMMATIC ONLY. EXACT LOCATIONS, ARRANGEMENTS, ROUTING, SIZES, ETC. OF ALL EXISTING AND NEW EQUIPMENT, DEVICES, PIPING AND WIRING, etc. SHALL BE DETERMINED IN THE FIELD. SEE ARCHITECT'S PLANS, AND DRAWINGS AS PREPARED BY OTHERS, FOR FURTHER INFORMATION. VERIFY REQUIREMENTS OF ALL NEW AND EXISTING EQUIPMENT, DEVICES, ETC. WITH OWNER AND/OR SUPPLIER.

	WALL MOUNTED DUPLEX RECEPTACLE - MTD. 18" A.F.F. UNLESS OTHERWISE NOTED
	WALL MOUNTED G.F.I. DUPLEX RECEPTACLE - MTD. 6" ABOVE SINK RIM OR COUNTER TOP
	WALL MOUNTED QUADRUPLUX RECEPTACLE - MTD. 18" ABOVE FINISHED FLOOR
	WALL MOUNTED TELE/DATA OUTLET LOCATION W/2x4 BOX AND 1" C.
	POKE THROUGH POWER DOGHOUSE FOR WHIP CONNECTION TO PARTITION FURNITURE SYSTEM
	POKE THROUGH TELE/DATA DOGHOUSE FOR WHIP CONNECTION TO PARTITION FURNITURE SYSTEM
	FLOOR MOUNTED FLUSH POKE THROUGH DUPLEX RECEPTACLE WITH COVER
	FLOOR MOUNTED FLUSH POKE THROUGH DATA CONNECTION BOX WITH COVER
	MOTOR AS SUPPLIED AND INSTALLED BY OTHERS
	SINGLE POLE SWITCH
	THERMALLY PROTECTED SWITCH
	DISTRIBUTION PANEL
	FUSED DISCONNECT SWITCH
	DENOTES WEATHERPROOF
	MANUAL FIRE ALARM PULL STATION
	HORN/STROBE FIRE ALARM UNIT MOUNTED 80" A.F.F.

MARCHETTI CONSULTING ENGINEERS
25 HIGH RIDGE ROAD
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THE PREMIER COLLECTION

251 EAST MAIN STREET
ELMSFORD, NY 10523

[illegible]

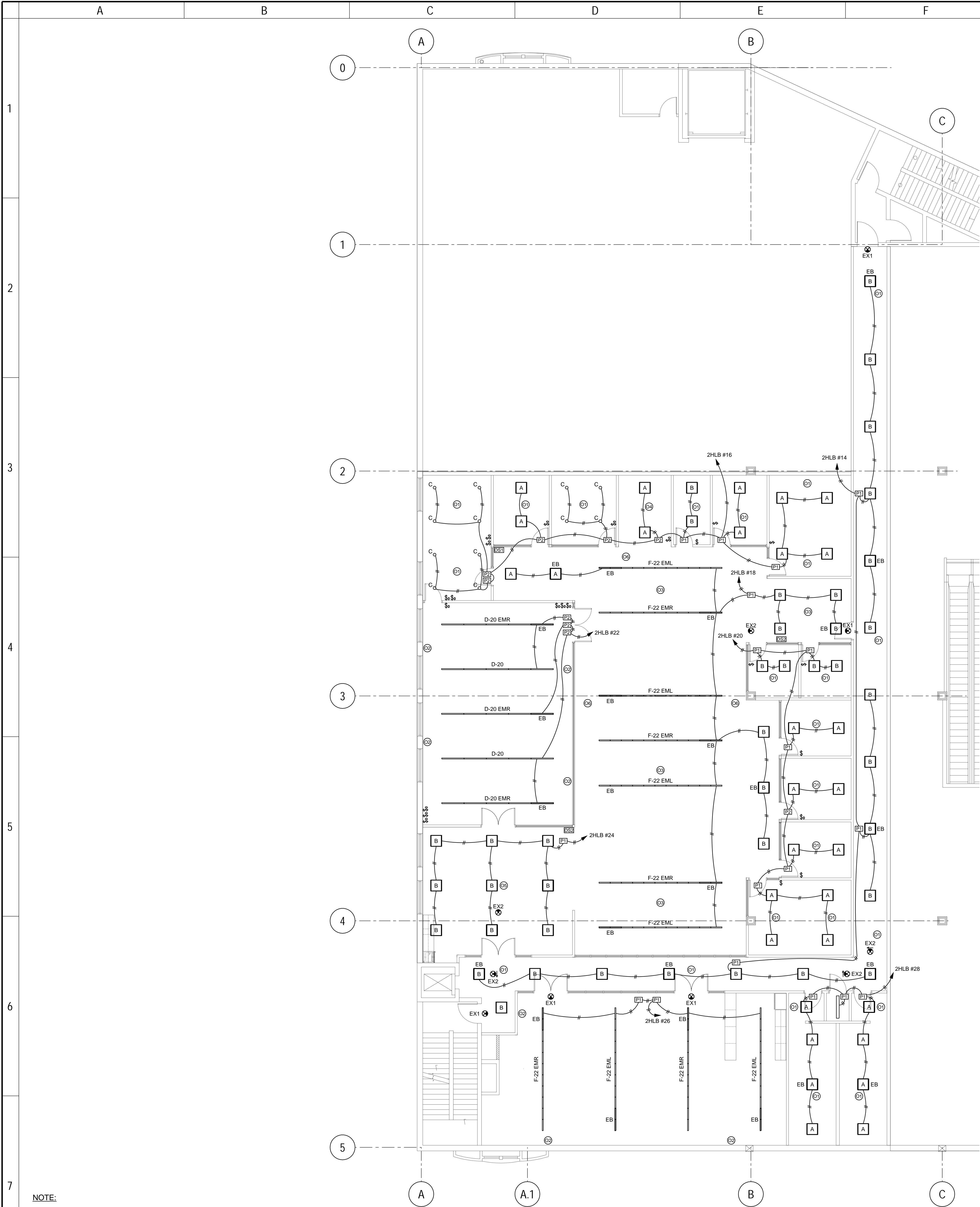
POWER PLAN AND LEGEND

THE PREMIER
COLLECTION

Project Number	23-12
Date	06/07/23
Drawn By	DG
Checked By	PM
Scale	As Noted

ISSUED FOR
BUILDING
PERMIT
06/07/23

E-101



NOTE:
DRAWINGS ARE DIAGRAMMATIC ONLY. EXACT LOCATIONS, ARRANGEMENTS, ROUTING, SIZES, ETC. OF ALL EXISTING AND NEW EQUIPMENT, DEVICES, PIPING AND WIRING, etc. SHALL BE DETERMINED IN THE FIELD. SEE ARCHITECT'S PLANS, AND DRAWINGS AS PREPARED BY OTHERS, FOR FURTHER INFORMATION. VERIFY REQUIREMENTS OF ALL NEW AND EXISTING EQUIPMENT, DEVICES, ETC. WITH OWNER AND/OR SUPPLIER.

1 SECOND FLOOR LIGHTING PLAN
E-102 SCALE: 1/8" = 1'-0"

LIGHTING LEGEND AND NOTES

A

L.E.D. PANEL 2' x 2' FIXTURE, LITHONIA MODEL #CPX 2X2 AL07 (HIGH) SWW7 (35K) SWL MVOLT, 35 WATTS, 4321 LUMENS

AEB

L.E.D. PANEL 2' x 2' FIXTURE, LITHONIA MODEL #CPX 2X2 AL07 (HIGH) SWW7 (35K) SWL MVOLT + E10WLCP, 35 WATTS, 4321 LUMENS WITH 90 MINUTE BATTERY PACK

B

L.E.D. PANEL 2' x 2' FIXTURE, LITHONIA MODEL #CPX 2X2 AL07 (MID) SWW7 (35K) SWL MVOLT, 28 WATTS, 3432 LUMENS

BE

L.E.D. PANEL 2' x 2' FIXTURE, LITHONIA MODEL #CPX 2X2 AL07 (MID) SWW7 (35K) SWL MVOLT + E10WLCP, 28 WATTS, 3432 LUMENS WITH 90 MINUTE BATTERY PACK

C

6" ROUND L.E.D. RETROFIT DOWNLIGHT, LITHONIA MODEL #BR6 RCH AL02 (1500LM) SWW1 (3500K) WR, TRW MVD-MVOLT UG21, 20 WATTS, 1500 LUMENS

D-20

PENDANT MOUNTED L.E.D. FIXTURE, SELUX CORPORATION MODEL #L60-1C40-35-BW-MOUNTING-22-FINISH-UNV-DRIWER OPTIONS, 9 WATTS PER FOOT, 14030 TOTAL LUMENS

D-20 EMR

PENDANT MOUNTED L.E.D. FIXTURE, SELUX CORPORATION MODEL #L60-1C40-35-BW-MOUNTING-22-FINISH-UNV-DRIWER OPTIONS, 9 WATTS PER FOOT, 14030 TOTAL LUMENS WITH 90 MINUTE BATTERY PACK IN RIGHT HAND 4 FT SECTION

EX1

WALL MOUNTED SINGLE FACE L.E.D. EXIT SIGN, LITHONIA MODEL #EDG W G EL WPM, 3.1 WATTS, 311 LUMENS, WITH 90 MINUTE EMERGENCY BATTERY

EX2

PENDANT MOUNTED SINGLE FACE L.E.D. EXIT SIGN, LITHONIA MODEL #EDG W G EL WPM, 3.1 WATTS, 311 LUMENS, WITH 90 MINUTE EMERGENCY BATTERY

F-22

PENDANT MOUNTED L.E.D. FIXTURE, SELUX CORPORATION MODEL #L60-1C40-35-BW-MOUNTING-22-FINISH-UNV-DRIWER OPTIONS, 10 WATTS PER FOOT, 17645 TOTAL LUMENS

F-22 EMR

PENDANT MOUNTED L.E.D. FIXTURE, SELUX CORPORATION MODEL #L60-1C40-35-BW-MOUNTING-22-FINISH-UNV-DRIWER OPTIONS, 10 WATTS PER FOOT, 17645 TOTAL LUMENS WITH 90 MINUTE BATTERY PACK IN RIGHT HAND 4 FT SECTION

F-22 EML

PENDANT MOUNTED L.E.D. FIXTURE, SELUX CORPORATION MODEL #L60-1C40-35-BW-MOUNTING-22-FINISH-UNV-DRIWER OPTIONS, 10 WATTS PER FOOT, 17645 TOTAL LUMENS WITH 90 MINUTE BATTERY PACK IN LEFT HAND 4 FT SECTION

\$

WIRELESS SINGLE POLE SWITCH

\$o

WIRELESS DIMMER SWITCH

OS1

CEILING MOUNTED WIRELESS OCCUPANCY SENSOR - STEINEL OR APPROVED MANUFACTURER PROVIDE LOCAL OVER-RIDES AS REQUIRED

OS2

WALL MOUNTED WIRELESS OCCUPANCY SENSOR - STEINEL OR APPROVED MANUFACTURER PROVIDE LOCAL OVER-RIDES AS REQUIRED

OS3

CEILING MOUNTED WIRELESS OCCUPANCY SENSOR - STEINEL MODEL #DT QUATTRO DCS PROVIDE LOCAL OVER-RIDES AS REQUIRED

OS4

CEILING MOUNTED WIRELESS OCCUPANCY SENSOR - STEINEL MODEL #IR QUATTRO COM-24 PROVIDE LOCAL OVER-RIDES AS REQUIRED

OS5

CEILING MOUNTED WIRELESS OCCUPANCY SENSOR - STEINEL MODEL #IR QUATTRO HD DCS PROVIDE LOCAL OVER-RIDES AS REQUIRED

OS6

CEILING MOUNTED WIRELESS OCCUPANCY SENSOR - STEINEL MODEL #US HALLWAY DCS PROVIDE LOCAL OVER-RIDES AS REQUIRED

OSB1

1-BUTTON DIGITAL CONTROL STATION STEINEL MODEL #DS1 DCS

OSB2

2-BUTTON DIGITAL CONTROL STATION STEINEL MODEL #DS2 DCS

PS1

SWITCHING POWER PACK AS MANUFACTURED BY STEINEL OR APPROVED EQUIVALENT

PS2

DIMMING POWER PACK AS MANUFACTURED BY STEINEL OR APPROVED EQUIVALENT

EB

DENOTES THAT FIXTURE IS TO BE SUPPLIED AND INSTALLED WITH 90 MINUTE EMERGENCY BATTERY

NOTES:

1. FIXTURES SHALL BE AS SPECIFIED ON THE DRAWINGS OR ARCHITECT APPROVED SUBSTITUTIONS

2. COORDINATE ALL LOCATIONS AND MOUNTING HEIGHTS OF FIXTURES WITH ARCHITECTURAL DRAWINGS

3. ALL FIXTURES TO BE PROVIDED WITH HARDWARE AND APPURTANANCES AS REQUIRED FOR COMPLETE SYSTEM

4. POSITION AND AIM OCCUPANCY SENSORS AS REQUIRED FOR PROPER OPERATION OF SWITCHED LIGHTS

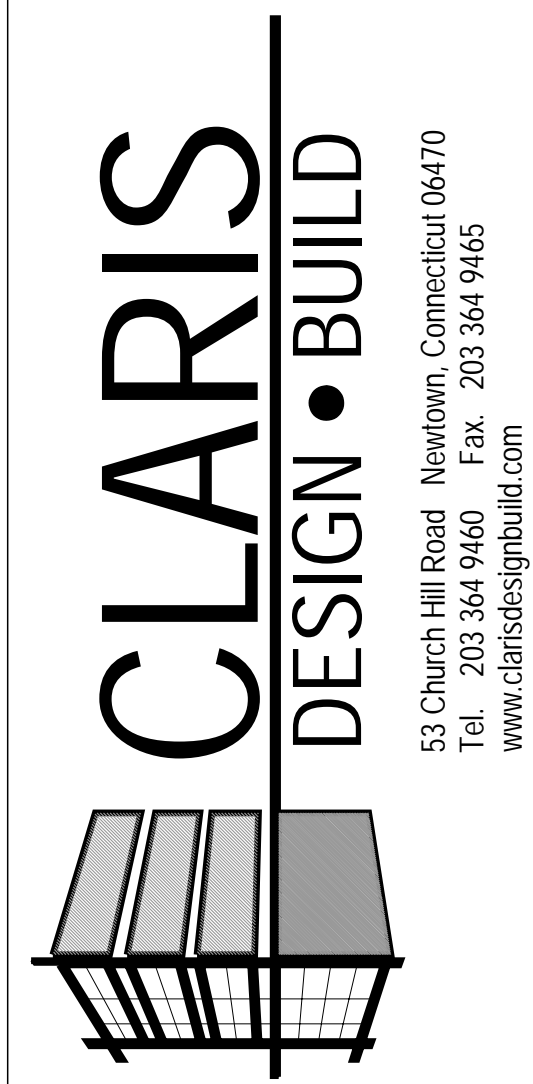
5. PROVIDE LOW VOLTAGE WIRING AS REQUIRED BETWEEN OCCUPANCY SENSORS AND POWER PACKS

6. TIE ALL EXIT SIGNS AND SELF CONTAINED EMERGENCY LIGHTS TO UNSWITCHED SIDE OF ASSOCIATED CIRCUIT

7. PROVIDE SWITCH PLATES IN A FINISH AND COLOR AS SELECTED BY ARCHITECT

8. ALL SITE LIGHTING FIXTURES (IF APPLICABLE) CONTROLLED BY TIME CLOCK AND PHOTOCELL UNLESS NOTED

MARCHETTI CONSULTING ENGINEERS
25 HIGH RIDGE ROAD
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THE PREMIER COLLECTION
251 EAST MAIN STREET
ELMSFORD, NY 10523

No.	Description	Date

LIGHTING PLAN AND LEGEND

THE PREMIER COLLECTION

Project Number

23-12

Date

06/07/23

Drawn By

DG

Checked By

PM

Scale

As Noted

E-102

ISSUED FOR
BUILDING
PERMIT
06/07/23

SCOPE OF WORK
ADD / RELOCATE CONCEALED PENDENT FIRE SPRINKLERS TO ACCOMMODATE THE NEW WALL AND CEILING PLANS. RELOCATE BRANCH LINES AROUND "DOG HOUSE CLEAR STORY".

GENERAL NOTES:

- ALL NEW FIRE SPRINKLER INSTALLATIONS SHALL COMPLY WITH THE FOLLOWING STANDARDS:
INTERNATIONAL BUILDING CODE, 2020 EDITION
NEW YORK FIRE SAFETY CODE, 2020 EDITION
NFPA 13 - 2016 EDITION
- ALL HANGERS TO COMPLY WITH THE REQUIREMENTS OF NFPA 13 CHAPTER 9.
- SEISMIC BRACING IS EXEMPT FOR THIS PROJECT. REFER TO THE SEISMIC EXEMPTION NOTE.
- HIGH TEMPERATURE HEADS ARE TO BE FIELD INSTALLED WHERE REQUIRED.
- ALL WET SYSTEMS, INCLUDING GRIDDED SYSTEMS, SHALL HAVE A RELIEF VALVE INSTALLED PER NFPA 13.
- ALL NEW SYSTEM PIPING SHALL BE HYDROSTATICALLY TESTED PER NFPA 13 SECTION 10.10.
- WHETHER OR NOT INDICATED ON THE DRAWINGS, THE FOLLOWING ITEMS ARE TO BE PROVIDED:
HEAD CABINET, SPARE HEADS AND HEAD WRENCH PER NFPA 13.
PROVISIONS FOR FLUSHING CONNECTIONS AND DRAINING OF ALL PIPE INCLUDING LOW POINT DRAINS. INSPECTOR'S TEST CONNECTION SHALL BE PROVIDED FOR EACH SYSTEM. HYDRAULIC IDENTIFICATION PLATES & NFPA 13 REQUIRED SIGNS.

OWNER RESPONSIBILITY

- THE OWNER SHALL BE RESPONSIBLE FOR THE CONDITION OF THE SPRINKLER SYSTEM AND SHALL KEEP THE SYSTEM IN NORMAL OPERATING CONDITION.
- IT IS THE BUILDING OWNERS RESPONSIBILITY TO PROVIDE ADEQUATE HEAT, MAINTAINED ABOVE 40°F, FOR ALL AREAS IN THE BUILDING PROTECTED BY A WET TYPE SPRINKLER SYSTEM AND FOR ALL WATER FILLED SUPPLY PIPE, VALVES AND SYSTEM RISERS TO DRY TYPE SYSTEMS.
- SPRINKLER SYSTEMS SHALL BE INSPECTED, TESTED, AND MAINTAINED IN ACCORDANCE WITH NFPA 25, STANDARD FOR THE INSPECTION, TESTING, AND MAINTENANCE OF WATER-BASED FIRE PROTECTION SYSTEMS. THE RESPONSIBILITY FOR PROPERLY MAINTAINING A SPRINKLER SYSTEM IS THAT OF THE OWNER OR MANAGER, WHO SHOULD UNDERSTAND THE SPRINKLER SYSTEM OPERATION. FOR FURTHER INFORMATION, SEE NFPA 25, STANDARD FOR THE INSPECTION, TESTING, AND MAINTENANCE OF WATER-BASED FIRE PROTECTION SYSTEMS.

DESIGN CRITERIA INFORMATION

- LIGHT HAZARD OCCUPANCIES NFPA 13 (CORRIDOR, OFFICE, RESTROOMS)
MAXIMUM SPRINKLER HEAD SPACING OF 225 SQ. FT.
- ORDINARY HAZARD GROUP I OCCUPANCIES NFPA 13 (STORAGE UP TO 8'-0" MECHANICAL ROOMS)
MAXIMUM SPRINKLER HEAD SPACING OF 130 SQ. FT.

SMALL ROOM NOTES

3.3.2.2 Small Room. A compartment of light hazard occupancy classification having unobstructed construction and a floor area not exceeding 600 ft².

8.6.2 Protection Areas per Sprinkler (Standard Pendent and Upright Spray Sprinklers)

8.6.2.1 Determination of Protection Area of Coverage.

8.6.2.1.1 Except as permitted by 8.6.2.1.2, the protection area of coverage per sprinkler (A_s) shall be determined in accordance with 8.5.2.1.

8.6.2.1.2 The requirements of 8.6.2.1.1 shall not apply in a small room as defined in 3.3.2.2.

8.6.2.1.2.1 The protection area of coverage for each sprinkler in the small room shall be the area of the room divided by the number of sprinklers in the room.

8.6.2.2 Maximum Distance from Walls.

8.6.2.2.1 The distance from sprinklers to walls shall not exceed one-half of the allowable distance between sprinklers as indicated in Table 8.6.2.2.1(a) through Table 8.6.2.2.1(d).

8.6.2.2.2 The distance from the wall to the sprinkler shall be measured perpendicular to the wall.

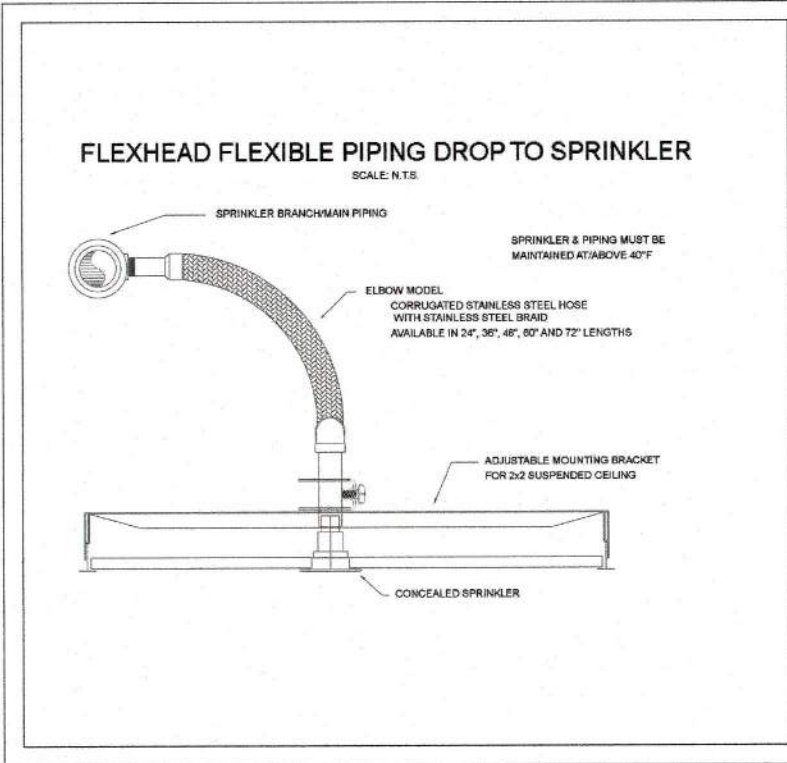
8.6.2.2.3 The requirements of 8.6.2.2.1 shall not apply where walls are angled or irregular and the maximum horizontal distance between a sprinkler and any point of floor area protected by that sprinkler shall not exceed 0.75 times the allowable distance permitted between sprinklers, provided the maximum perpendicular distance is not exceeded.

8.6.2.2.4 The requirements of 8.6.2.2.1 shall not apply within small rooms as defined in 3.3.2.2.

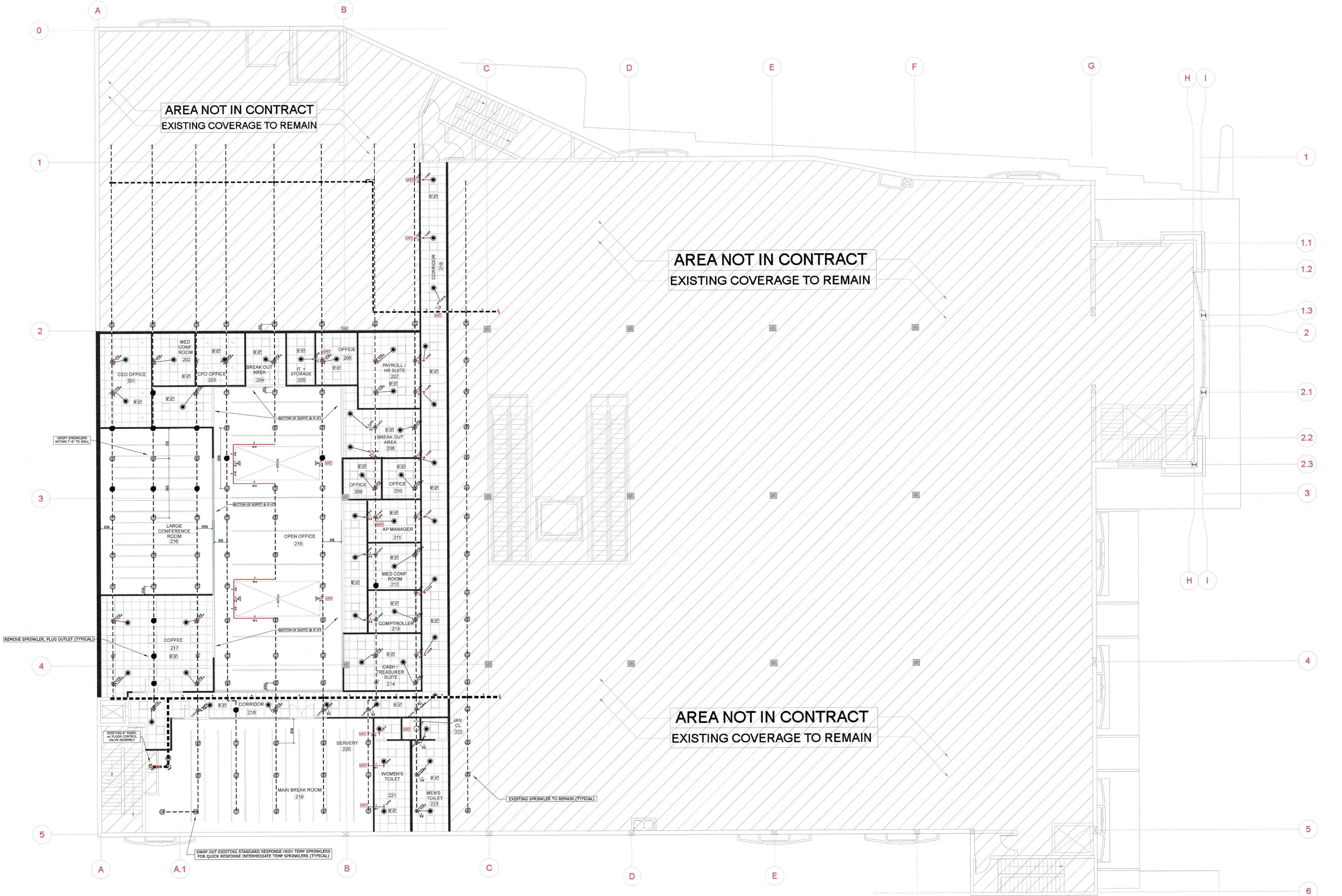
8.6.2.2.4.1 Sprinklers shall be permitted to be located not more than 9 ft (2.7 m) from any single wall.

8.6.2.2.4.2 Sprinkler spacing limitations of 8.6.2.2.1 and area limitations of Table 8.6.2.2.1(a) shall not be exceeded.

8.6.2.2.5 Under curved surfaces, the horizontal distance shall be measured at the floor level from the wall, or the intersection of the curved surface and the floor to the nearest sprinkler shall not be greater than one-half the allowable distance between sprinklers.



Symbol	Note
	Existing to Remain
	Existing Outlet
	Remove Head, Plug Outlet



PIPE MATERIAL LEGEND	
	NEW SCH 40 BLACK STEEL PIPING
	EXISTING SCH 10/40 BLACK STEEL PIPING

#	DATE	BY	REVISION DESCRIPTION
1			

The dimensions on this drawing are CUT dimensions

SYMBOL LEGEND

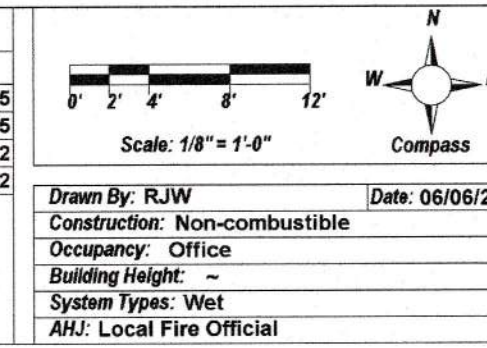
- HYDRAULIC REFERENCE POINT
- ELEVATION BELOW TOP OF STEEL
- ELEVATION ABOVE FINISHED FLOOR
- TOP OF WET
- ELEVATION TOP OF STEEL
- CEILING HEIGHT
- PIPE SIZE AND CUT LENGTH TAG
- PIPE RISE UP/DOWN TAG
- VARIOUS DIFFUSER FIXTURE SYMBOLS
- VARIOUS LIGHT FIXTURE SYMBOLS

Sprinkler Legend									
Symbol	Qty	Type	Finish	Temp	K	Npt	Manufacturer	Model	Response
	48	Pendent	Brass	212°F	5.6	%	Reliable	GS-56	Quick
	5	Sidewall	Brass	200°F	5.6	%	Reliable	F1FR86	Quick
	55	Upright	Brass	200°F	8	%	Reliable	F1FR80	Quick
	1	Upright	Brass	200°F	8	%	Reliable	F1FR80	Quick

NOTE: w/ White Cover Plate

Swap Existing Sprinkler

SIN: RA3416, RA1436, RA6322, RA6322



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General Contractor:
Clarke Construction
53 Church Hill Road
Newtown, CT

Project:
TPC Expansion
251 East Main Street
Elmford, NY

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15 Industrial Park Place
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Licenses: CT #F-140291 MA #SC-120484 RI #000347

MACK
FIRE PROTECTION

Drawing Status
Shop Drawing
For Permit & Review

TPC Expansion
Fire Protection Layout

FP-1

	A	B	C	D	E	F	G	H	I	J	MARCHETTI CONSULTING ENGINEERS 25 HIGH RIDGE ROAD POUND RIDGE, NY 10576 PHONE: (914) 764-9011 FAX: (914) 764-9012 EMAIL: chrisda57@sbcglobal.net
1						GENERAL PROCEDURES 1. THESE SPECIFICATIONS ARE APPLICABLE TO ALL MECHANICAL DRAWINGS UNLESS NOTED OTHERWISE. 2. DESCRIPTION A. THIS PROJECT COMPRISES ALTERATIONS AND RENOVATIONS TO THE EXISTING BUILDING. THE EXISTING BUILDING IS CURRENTLY UNOCCUPIED. B. SCOPE OF WORK CONSISTS OF INSTALLATION OF MATERIALS TO BE FURNISHED UNDER THE CONTRACT DOCUMENTS AND WITHOUT LIMITING GENERALITY THEREOF CONSISTS OF FURNISHING LABOR, MATERIALS, EQUIPMENT, HOISTING, PLANT, TRANSPORTATION, RIGGING, STAGING, APPURTENANCES, AND SERVICES NECESSARY AND/OR INCIDENTAL TO PROPERLY COMPLETE ALL WORK AS SHOWN ON THE DRAWINGS AND AS DESCRIBED HEREIN. THE SCOPE OF WORK SHALL INCLUDE BUT NOT BE LIMITED TO: B.A. DEMOLITION AND REMOVAL OF ITEMS AS REQUIRED. B.B. DUCTWORK AND DUCTWORK ACCESSORIES. B.C. INSULATION OF PIPING, EQUIPMENT AND DUCTWORK. B.D. TESTING AND BALANCING B.E. CUTTING AND PATCHING B.F. SHOP DRAWINGS. B.G. AS-BUILT DRAWINGS B.H. OPERATING AND MAINTENANCE MANUALS. B.I. FULL COORDINATION WITH OTHER TRADES. B.J. WARRANTY AND GUARANTY B.K. PHASING AS REQUIRED BY OWNER, CONSTRUCTION MANAGER, GENERAL CONTRACTOR OR BUILDING MANAGEMENT B.L. PREMIUM TIME FOR WORK TO BE PERFORMED AFTER-HOURS AS REQUIRED BY BUILDING MANAGEMENT AND/OR OWNER. B.M. FILING, PERMITS, CONTROLLED INSPECTIONS. B.N. FULL TESTING AND STARTUP OF ALL SYSTEMS. 3. DEFINITIONS: THE FOLLOWING DEFINITIONS APPLY TO THIS CONTRACT A. FURNISH: THE TERM "FURNISH" MEANS TO "PURCHASE AND DELIVER TO THE PROJECT SITE, READY FOR UNLOADING, UNPACKING, ASSEMBLY, INSTALLATION, AND SIMILAR OPERATIONS." B. INSTALL: THE TERM "INSTALL" IS USED TO DESCRIBE OPERATIONS AT PROJECT SITE INCLUDING THE ACTUAL "UNLOADING, UNPACKING, ASSEMBLY, ERECTION, PLACING, ANCHORING, APPLYING, WORKING TO DIMENSION, FINISHING, CURING, PROTECTING, CLEANING, AND SIMILAR OPERATIONS." C. PROVIDE: THE TERM "PROVIDE" MEANS "TO FURNISH AND INSTALL, COMPLETE AND READY FOR THE INTENDED USE." D. NEW: THE TERM "NEW" MEANS MANUFACTURED WITHIN THE PAST TWO YEARS AND NEVER BEFORE USED. E. REMOVE: THE TERM REMOVE MEANS TO DISCONNECT FROM ITS PRESENT POSITION, REMOVE FROM THE PREMISES AND TO DISPOSE OF IN A LEGAL MANNER." F. RELOCATE: THE TERM "RELOCATE" MEANS TO MOVE EXISTING EQUIPMENT AND ALL ACCESSORIES AS REQUIRED SAFELY AND WITHOUT DAMAGE, STORING AS NECESSARY BETWEEN DEMOLITION AND NEW CONSTRUCTION PHASES. G. SUBSTITUTIONS: "SUBSTITUTIONS" ARE REQUESTS FOR CHANGES IN PRODUCTS, MATERIALS AND METHODS OF CONSTRUCTION AS PROPOSED BY THE CONTRACTOR AFTER AWARD OF THE CONTRACT. 4. CONTRACT DOCUMENTS: DRAWINGS A. PRIOR TO SUBMISSION OF A FORMAL BID, THIS CONTRACTOR SHALL REVIEW ALL DRAWINGS OF THE ENTIRE PROJECT INCLUDING GENERAL CONSTRUCTION, DEMOLITION, ARCHITECTURAL, MECHANICAL, ELECTRICAL, PLUMBING, AND SPRINKLER AND SHALL INCLUDE ANY WORK REQUIRED IN THE BID WHICH IS INDICATED OR IMPLIED TO BE PERFORMED BY THIS TRADE IN OTHER SECTIONS OF THE WORK. B. PROVIDE ALL MATERIALS, EQUIPMENT AND LABOR NECESSARY TO COMPLETE THE WORK OUTLINED ON THESE CONTRACT DOCUMENTS. THE CONTRACTOR IS TO NOTE THAT THESE DOCUMENTS ARE DIAGRAMMATIC ONLY AND THAT FINAL PLACEMENT OF EQUIPMENT OR DEVICES IN THE FIELD MAY NOT DIRECTLY CORRESPOND TO THAT WHICH IS SHOWN ON THE DRAWINGS. IF A CONFLICT IN POSITIONING OCCURS THE CONTRACTOR IS TO NOTIFY THE ENGINEER IMMEDIATELY TO ASCERTAIN WHAT THE INTENT WAS BY THE DESIGN PROFESSIONAL. ALL WORK SHALL BE COORDINATED WITH OTHER TRADES TO AVOID CONFLICT. IF CONFLICT OCCURS IN THE SPECIFICATIONS AND/OR ON DRAWINGS, THE MORE STRINGENT SITUATION SHALL APPLY. 5. SURVEY AND MEASUREMENTS: A. PRIOR TO SUBMITTING BID, VISIT SITE AND IDENTIFY EXISTING CONDITIONS AND DIFFICULTIES THAT WILL AFFECT WORK TO BE PERFORMED. NO COMPENSATION WILL BE GRANTED FOR ADDITIONAL WORK CAUSED BY UNFAMILIARITY WITH SITE CONDITIONS THAT ARE VISIBLE OR READILY IDENTIFIED BY EXPERIENCED OBSERVERS. INCLUDE IN THE BID ALL DEMOLITION WORK REQUIRED. B. DO NOT SCALE DRAWINGS. SCALE INDICATED ON DRAWINGS IS FOR ESTABLISHING REFERENCE POINTS ONLY. ACTUAL FIELD CONDITIONS SHALL GOVERN ALL DIMENSIONS. C. PRIOR TO ORDERING ANY MATERIALS AND EQUIPMENT, THOROUGHLY REVIEW THE SITE CONDITIONS TO DETERMINE IF ADEQUATE CLEARANCES AND ACCESS IS ALLOWED TO INSTALL THE COMPONENTS. ORDER EQUIPMENT BROKEN DOWN AS NECESSARY TO ALLOW FOR PROPER RIGGING THROUGH THE PROJECT AREA. PROVIDE ALL NECESSARY ALTERATIONS TO THE STRUCTURE OF THE BUILDING AS NECESSARY TO RIG THE EQUIPMENT IN PLACE. D. ARRANGE INSTALLATION TO PROVIDE ACCESS TO EQUIPMENT FOR EASY MAINTENANCE AND REPAIR. 6. CODES AND STANDARDS: ALL WORK SHALL BE COMPLETED IN ACCORDANCE WITH THE LATEST STATE OF NEW YORK ACCEPTED VERSION OF THE FOLLOWING CODES. THE CONTRACTOR IS TO INFORM ENGINEER OF ANY EXISTING WORK OR MATERIALS WHICH VIOLATE ANY OF THE LAWS AND REGULATIONS LISTED BELOW. ANY WORK DONE BY THE CONTRACTOR CAUSING SUCH VIOLATION SHALL BE CORRECTED AT THE EXPENSE BY THIS CONTRACTOR AND AT NO EXPENSE TO THE OWNER. A. INTERNATIONAL RESIDENTIAL CODE B. INTERNATIONAL BUILDING CODE C. INTERNATIONAL PLUMBING CODE D. INTERNATIONAL MECHANICAL CODE E. NATIONAL ELECTRIC CODE (NFPA 70) F. THE LIFE SAFETY CODE (NFPA 101) 7. PERMITS AND FEES: THE CONTRACTOR SHALL GIVE ALL NECESSARY NOTICES, OBTAIN ALL PERMITS, AND PAY ALL GOVERNMENT AND STATE SALES TAXES AND FEES WHERE APPLICABLE, AND OTHER COSTS, INCLUDING UTILITY CONNECTIONS OR EXTENSIONS IN CONNECTION WITH THE WORK. PREPARE ALL NECESSARY DRAWINGS, PREPARE ALL DOCUMENTS AND OBTAIN ALL NECESSARY APPROVALS OF ALL GOVERNMENTAL AND STATE DEPARTMENTS HAVING JURISDICTION. OBTAIN ALL REQUIRED CERTIFICATES OF INSPECTION FOR HIS WORK, AND DELIVER A COPY TO THE OWNER AND ENGINEER AT JOB COMPLETION. 8. SHOP DRAWINGS: A. SUBMIT NEWLY PREPARED INFORMATION, DRAWN TO ACCURATE SCALE OF 1/4"=1'-0", HIGHLIGHT, ENIRCLE, OR OTHERWISE INDICATE DEVIATIONS FROM THE CONTRACT DOCUMENTS. DO NOT REPRODUCE CONTRACT DOCUMENTS OR COPY STANDARD INFORMATION AS THE BASIS OF SHOP DRAWINGS. STANDARD INFORMATION PREPARED WITHOUT SPECIFIC REFERENCE TO THE PROJECT IS NOT CONSIDERED SHOP DRAWINGS. B. SHOP DRAWINGS INCLUDE EQUIPMENT SUBMITTALS, FABRICATION AND INSTALLATION DRAWINGS, SETTING DIAGRAMS, SCHEDULES, PATTERNS, TEMPLATES AND SIMILAR DRAWINGS. INCLUDE THE FOLLOWING INFORMATION: a. DIMENSIONS. b. IDENTIFICATION OF PRODUCTS AND MATERIALS INCLUDED. c. COMPLIANCE WITH SPECIFIED STANDARDS AND PERFORMANCE DATA AS INDICATED. d. NOTATION OF COORDINATION REQUIREMENTS. e. NOTATION OF DIMENSIONS ESTABLISHED BY FIELD MEASUREMENT. f. SUBMIT 3 BLACK-LINE PRINTS AND 2 ADDITIONAL PRINTS WHERE REQUIRED FOR MAINTENANCE MANUALS, PLUS THE NUMBER OF PRINTS NEEDED BY THE ENGINEER FOR DISTRIBUTION. ONE PRINT WILL BE RETAINED; THE REMAINDER RETURNED. ONE OF THE PRINTS RETURNED SHALL BE MARKED-UP AND MAINTAINED AS A "RECORD DOCUMENT". g. DO NOT USE SHOP DRAWINGS WITHOUT AN APPROPRIATE FINAL STAMP INDICATING ACTION TAKEN IN CONNECTION WITH CONSTRUCTION. h. DO NOT ORDER ANY MATERIALS OR EQUIPMENT PRIOR TO RECEIVING FINAL APPROVED SHOP DRAWINGS. i. PROVIDE SUBMITTALS AS INDICATED IN SPECIFIC SPECIFICATION SECTIONS. 9. USE ADEQUATE NUMBERS OF SKILLED WORKMEN WHO ARE THOROUGHLY TRAINED AND EXPERIENCED IN THE NECESSARY CRAFTS AND WHO ARE COMPLETELY FAMILIAR WITH THE SPECIFIED REQUIREMENTS AND THE METHODS NEEDED FOR PROPER PERFORMANCE OF THE WORK. 10. THE CONTRACTOR SHALL COORDINATE ALL INTERRUPTIONS OF SERVICES AND LIMITATIONS OF ACCESS WITH THE OWNER NO LESS	THAN 2 DAYS PRIOR TO THE INTERRUPTION. 11. OPERATION AND MAINTENANCE A. UPON COMPLETION OF ALL WORK AND TESTS, THE CONTRACTOR SHALL INSTRUCT THE OWNER OR THE OWNER'S REPRESENTATIVE IN THE OPERATION, ADJUSTMENT AND MAINTENANCE OF ALL EQUIPMENT FURNISHED. THE CONTRACTOR SHALL GIVE AT LEAST SEVEN (7) DAYS NOTICE TO THE OWNER AND THE ENGINEER IN ADVANCE OF THIS PERIOD. B. THE CONTRACTOR SHALL PREPARE THREE (3) COPIES OF A COMPLETE OPERATION AND MAINTENANCE MANUAL, BOUND IN BOOKLET FORM. ORGANIZE OPERATING AND MAINTENANCE DATA INTO SUITABLE SETS OF MANAGEABLE SIZE. BIND PROPERLY INDEXED DATA IN INDIVIDUAL HEAVY-DUTY 3-RING VINYL-COVERED BINDERS, WITH POCKET FOLDERS FOR FOLDED SHEET INFORMATION AND DESIGNATION PARTITIONS WITH IDENTIFICATION TABS. MARK APPROPRIATE IDENTIFICATION ON FRONT AND SPINE OF EACH BINDER. C. OPERATION AND MAINTENANCE MANUAL SHALL INCLUDE THE FOLLOWING: a. MANUFACTURER'S PRINTED OPERATING AND MAINTENANCE PROCEDURES. b. MAINTENANCE PROCEDURES FOR ROUTINE PREVENTATIVE MAINTENANCE AND TROUBLESHOOTING. c. COPIES OF WARRANTIES. d. APPROVED SHOP DRAWINGS AND PRODUCT DATA. e. BALANCE REPORTS. f. INCLUDE IN THE MANUAL, A TABULATED EQUIPMENT SCHEDULE FOR ALL EQUIPMENT. SCHEDULE SHALL INCLUDE PERTINENT DATA SUCH AS: MAKE, MODEL NUMBER, SERIAL NUMBER, VOLTAGE, NORMAL OPERATING CURRENT, BELT SIZE, FILTER QUANTITIES AND SIZES, BEARING NUMBER, ETC. SCHEDULE SHALL INCLUDE MAINTENANCE TO BE DONE AND FREQUENCY. g. MAINTENANCE AND INSTRUCTION MANUALS SHALL BE SUBMITTED TO THE OWNER AT THE SAME TIME AS THE SEVEN (7) DAY NOTICE IS GIVEN PRIOR TO THE INSTRUCTION PERIOD. 12. AS-BUILT DRAWINGS A. PREPARE AS-BUILT DRAWINGS TO A SCALE OF 1/4"=1'-0" OR LARGER, DETAILING THE ACTUAL INSTALLATION OF MAJOR ELEMENTS, COMPONENTS, AND SYSTEMS OF MECHANICAL EQUIPMENT AND MATERIALS. WHERE SHOP DRAWINGS ARE USED, RECORD A CROSS-REFERENCE AT THE CORRESPONDING LOCATION ON THE AS-BUILT DRAWINGS. GIVE PARTICULAR ATTENTION TO CONCEALED ELEMENTS THAT WOULD BE DIFFICULT TO MEASURE AND RECORD AT A LATER DATE. B. MARK NEW INFORMATION THAT IS IMPORTANT TO THE OWNER, BUT WAS NOT SHOWN ON CONTRACT DRAWINGS OR SHOP DRAWINGS. C. NOTE RELATED CHANGE ORDER NUMBERS WHERE APPLICABLE. D. ORGANIZE AS-BUILT DRAWINGS INTO MANAGEABLE SETS, BIND WITH DURABLE PAPER COVER SHEETS, AND PRINT SUITABLE TITLES, DATES AND OTHER IDENTIFICATION ON THE COVER OF EACH SET. 13. OBTAIN IN OWNER'S NAME WRITTEN EQUIPMENT AND MATERIAL WARRANTIES OFFERED IN MANUFACTURER'S PUBLISHED PRODUCT DATA WITHOUT EXCLUSION OR LIMITATION. 14. GUARANTEE WORK OF THESE CONTRACT DOCUMENTS IN WRITING FOR NOT LESS THAN ONE (1) YEAR FROM DATE OF FINAL NOTICE OF ACCEPTANCE. REPAIR OR REPLACE DEFECTIVE MATERIALS, EQUIPMENT, WORKMANSHIP AND INSTALLATION THAT DEVELOP WITHIN THIS PERIOD, PROMPT AND TO OWNER'S SATISFACTION AND CORRECT DAMAGE CAUSED IN MAKING NECESSARY REPAIRS AND REPLACEMENTS UNDER GUARANTEE WITHIN CONTRACT PRICE. 15. THIS CONTRACTOR IS RESPONSIBLE FOR THE MAINTENANCE AND OPERATION OF ALL SYSTEMS UNTIL THE FINAL ACCEPTANCE OF THE WORK. 16. ALL AIR CONDITIONING UNIT COMPRESSORS AND REFRIGERATION COMPONENTS SHALL HAVE A 5-YEAR WARRANTY. 17. SUBMIT TO THE OWNER AN OFFICIAL CERTIFICATE OF INSURANCE FOR THEIR RECORDS. MEANS AND METHODS ALL TRADES 1. INSTALL ALL EQUIPMENT AND MATERIALS IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS 2. DO NOT BURN WASTE MATERIALS. DO NOT BURY DEBRIS OR EXCESS MATERIALS ON THE OWNER'S PROPERTY. DO NOT DISCHARGE VOLATILE, HARMFUL OR DANGEROUS MATERIALS INTO DRAINAGE SYSTEMS. REMOVE AND DISPOSE OF ALL WASTE MATERIALS, PACKAGING MATERIAL, SKIDS ETC. FROM THE SITE AND DISPOSE OF IN A LAWFUL MANNER IN ACCORDANCE WITH MUNICIPAL, STATE AND FEDERAL REGULATIONS. 3. MATERIALS AND EQUIPMENT SHALL BE UL LISTED WHERE STANDARD HAS BEEN ESTABLISHED. 4. CAREFULLY INSPECT ALL BUILDING ELEMENTS PRIOR TO CUTTING OR DRILLING INTO WALL, FLOORS OR CEILINGS. PATCH AND PAINT SURFACES DISTURBED BY WORK UNDER THIS CONTRACT AS REQUIRED TO RESTORE THEM TO THEIR ORIGINAL CONDITION. 5. SCAFFOLDING, RIGGING, HOISTING: THE CONTRACTOR SHALL FURNISH ALL SCAFFOLDING, RIGGING, HOISTING AND SERVICES NECESSARY FOR ERECTION AND DELIVERY INTO THE PREMISES ANY EQUIPMENT AND APPARATUS FURNISHED UNDER THIS DIVISION. REMOVE SAME FROM PREMISES WHEN NO LONGER REQUIRED. 6. EXCAVATION AND BACKFILLING: IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO COORDINATE SIZES, DEPTHS, FILL AND BEDDING REQUIREMENTS AND ANY OTHER EXCAVATION WORK REQUIRED UNDER THESE SPECIFICATIONS 7. WATERPROOFING: WHERE ANY WORK PIERCES WATERPROOFING, INCLUDING WATERPROOF CONCRETE, ROOFS, EXTERIOR WALL AND FLOORS IN WET AREAS, THE METHOD OF INSTALLATION SHALL BE REVIEWED BY THE ENGINEER BEFORE WORK IS DONE. THE CONTRACTOR SHALL FURNISH ALL NECESSARY SLEEVES, CAULKING AND FLASHING REQUIRED TO MAKE OPENINGS ABSOLUTELY WATERTIGHT. 8. PROVIDE FIRESTOPPING AROUND ALL FIRE PROTECTION, PLUMBING, MECHANICAL AND ELECTRICAL PENETRATIONS THROUGH FIRE RATED PARTITIONS. PROVIDE ASBESTOS FREE FIRESTOPPING SYSTEM CAPABLE OF MAINTAINING AN EFFECTIVE BARRIER AGAINST FLAME AND GASES. SYSTEM SHALL BE UL LISTED AND COMPLY WITH ASTM E 814. 9. ACCESS DOORS SHALL BE PROVIDED IN CEILINGS, WALLS AND FLOORS AT ALL DAMPERS, VALVES, CONTROL DEVICES, AND OTHER APPARATUS AND EQUIPMENT REQUIRING PERIODIC SERVICE AND INSPECTION. COORDINATE TYPE AND LOCATION WITH ARCHITECTURAL PLANS. 10. SEISMIC RESTRAINTS SHALL BE INSTALLED AS REQUIRED PER BUILDING CODE AND FIRE SAFETY CODE. RESTRAINTS SHALL BE INSTALLED IN ACCORDANCE WITH NFPA 13 AND SMACNA STANDARDS. SUBMIT SHOP DRAWINGS INCLUDING SEISMIC CALCULATIONS WITH PROFESSIONAL ENGINEER'S SEAL FOR REVIEW BY ENGINEER. HVAC SPECIFICATIONS 1. DUCTWORK AND ACCESSORIES A. ALL DUCTWORK SHALL BE FABRICATED AND INSTALLED IN ACCORDANCE WITH SMACNA HVAC DUCT CONSTRUCTION STANDARDS. THE MORE STRINGENT REQUIREMENT OF ANY CODES SHALL APPLY. B. ALL DUCTWORK AND ACCESSORIES AS ITEMIZED HERE-IN SHALL BE HOT-DIPPED GALVANIZED SHEETMETAL CONSTRUCTION WITH #60 COMMERCIAL COATING ACCORDING TO ASTM 653 AND A924, INCLUDING ALL FITTINGS AND FASTENERS AND SHALL COMPLY WITH THE LATEST EDITION OF SMACNA STANDARDS FOR 2" PRESSURE CLASS. ALL DUCTWORK DIMENSIONS SHOWN ARE INSIDE CLEAR DIMENSIONS. ALL SQUARE DUCT ELBOWS ARE TO BE INSTALLED WITH TURNING VANES. ALL RADIUS DUCT ELBOWS SHALL HAVE MINIMUM CENTER LINE RADIUS EQUAL TO 1-1/2 TIMES THE DUCT WIDTH. C. FLEXIBLE DUCT RUNOUTS SHALL NOT EXCEED 8 FEET IN LENGTH, SHALL BE PREINSULATED WITH VAPOR BARRIER, CPE INNER LINER, FACTORY FABRICATED, AND SHALL COMPLY WITH NFPA 90A AND UL 181. THE INSULATION MATERIAL SURFACE SHALL NOT BE EXPOSED TO THE AIR STREAM. FLEXIBLE DUCT RUNOUTS SHALL BE INSTALLED FULLY EXTENDED AND SUPPORTED TO MINIMIZE BENDS. FLEXIBLE DUCT SHALL BE AS MANUFACTURED BY THERMAFLEX, TUTTLE AND BAILEY OR APPROVED EQUAL. FLEXIBLE DUCT CONNECTORS APPROXIMATELY 6 INCHES IN LENGTH SHALL BE PROVIDED WHERE SHEET METAL CONNECTIONS ARE MADE TO AIR HANDLING EQUIPMENT. 2. DUCT ACCESS DOORS SHALL BE PROVIDED IN DUCTWORK AT ALL: A. AUTOMATIC DAMPERS, COILS, CONTROL DEVICES, AND OTHER APPARATUS REQUIRING SERVICE AND INSPECTION. B. MANUAL BALANCING DAMPERS SHALL BE PROVIDED FOR EACH DIFFUSER, GRILLE AND REGISTER, EACH BRANCH OF THE MAIN TRUNK DUCT AND AS INDICATED ON THE DRAWINGS. C. INSTALLATION OF DIFFUSERS GRILLES AND REGISTERS SHALL BE COORDINATED WITH AND SUITABLE FOR INSTALLATION IN, ON, OR FROM CEILING, WALL OR FLOORS SPECIFIED ON THE ARCHITECTURAL PLANS. THE CONTRACTOR MUST VERIFY THE CEILING OR WALL TYPES PRIOR TO ORDERING. 3. VOLUME DAMPERS: A. DAMPERS SHALL BE GALVANIZED STEEL OR SAME AS DUCT CONSTRUCTION, CONFORM TO SMACNA HVAC DUCT CONSTRUCTION STANDARDS. INSTALL WITH LEVERS ACCESSIBLE THROUGH INSULATION. SPLITTER DAMPER OR AIR EXTRACTORS ARE PROHIBITED.	4. WALL PENETRATIONS: A. SEAL OPENINGS AROUND DUCTS THROUGH WALLS WITH MINERAL WOOL OR OTHER NON-COMBUSTIBLE MATERIAL. SEAL ALL DUCT PENETRATIONS THROUGH WALLS AIRTIGHT. 5. PIPING AND FITTINGS A. CONDENSATE DRAIN : SHALL BE SCHEDULE 40 PVC WITH SOLVENT WELD FITTINGS OR TYPE L COPPER TUBING WITH 95-5 TIN-ANTIMONY SOLDER FILLER METALS. 6. INSULATION: A. INSULATION THICKNESS SHALL BE IN ACCORDANCE WITH LATEST EDITION OF THE IECC EXCEPT THAT PIPE INSULATION SHALL NOT BE LESS THAN 1" THICK AND FLEXIBLE DUCTWORK INSULATION SHALL NOT BE LESS THAN 1-1/2" THICK. ALL INSULATION MATERIALS, ADHESIVES, COATINGS, AND OTHER ACCESSORIES SHALL HAVE FLAME SPREAD RATINGS OF 25 OR LESS, AND SMOKE DEVELOPED RATINGS OF 50 OR LESS AS TESTED BY ASTM E-84 (NFPA 255) METHOD. ALL INSULATION MATERIALS SHALL BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURERS RECOMMENDATIONS AND IN ACCORDANCE WITH THE LATEST EDITION OF SMACNA AND ASHRAE STANDARDS. B. PIPE INSULATION SHALL BE FIBERGLASS WITH VAPOR BARRIER JACKET. PROVIDE INSULATION FOR THE FOLLOWING PIPING SYSTEMS: C. INTERIOR DUCT INSULATION MATERIALS SHALL BE FLEXIBLE FIBERGLASS DUCTWORK. INSULATION WITH VAPOR BARRIER JACKET. DUCT INSULATION INSTALLED WITHIN UNCONDITIONED SPACES SHALL BE MINIMUM R-6. DUCTWORK ACOUSTIC LINING SHALL BE CELLULAR GLASS WITH FACE BONDED TO PROVIDE A SMOOTH DAMAGE RESISTANT FINISH. PROVIDE INSULATION FOR THE FOLLOWING DUCTWORK SYSTEMS: a. SUPPLY AIR DUCTWORK b. RETURN AIR DUCTWORK IN UNCONDITIONED SPACES (WHERE SPACE TEMPERATURE IS MORE THAN10 DEGREES F DIFFERENT FROM DUCT TEMPERATURE) c. OUTSIDE AIR INTAKE DUCTWORK d. OUTSIDE AIR AND EXHAUST PLENUMS AT LOUVER CONNECTIONS e. COMBUSTION AIR DUCTWORK D. EXTERIOR DUCTWORK INSULATION MATERIALS SHALL BE 3" RIGID POLYSTYRENE (R-12 MINIMUM) WITH PVC JACKETING SEALED WATER TIGHT. DUCTWORK INSULATION SHALL BE WATER TIGHT. a. SUPPLY AIR DUCTWORK b. RETURN AIR DUCTWORK c. OUTSIDE AIR INTAKE DUCTWORK d. OUTSIDE AIR AND EXHAUST PLENUMS AT LOUVER CONNECTIONS e. COMBUSTION AIR DUCTWORK 7. PIPING INSTALLATIONS A. INSTALL PIPING IN ACCORDANCE WITH ALL APPLICABLE CODES AND GOOD PRACTICES. B. INSTALL UNIONS OR FLANGES IN PIPES ADJACENT TO EACH VALVE, CONTROL DEVICE AND AT FINAL CONNECTIONS EACH PIECE OF EQUIPMENT. C. INSTALL DIELECTRIC UNIONS TO JOIN DISSIMILAR METALS. D. INSTALL AND ANCHOR PIPING TO ENSURE PROPER EXPANSION AND CONTRACTION. E. PROVIDE MANUAL AIR VENTS AT ALL HIGH POINTS AND DRAIN VALVES AT ALL LOW POINTS. F. ANCHOR PIPING TO ENSURE PROPER DIRECTION OF EXPANSION AND CONTRACTION. G. SUPPORT PIPING TO PREVENT VIBRATION OR SAGGING. PROVIDE HANGER SPACING ACCORDING TO DISTANCES LISTED IN APPLICABLE CODES AND REGULATIONS. 8. TESTING , ADJUSTING AND BALANCING A. THE MECHANICAL CONTRACTOR SHALL PROVIDE THE SERVICES OF AN INDEPENDENT TESTING, ADJUSTING, AND BALANCING (TAB) AGENCY TO PROVIDE TAB SERVICES FOR THE MECHANICAL SYSTEMS. THE TAB AGENCY SHALL BE CERTIFIED BY NATIONAL ENVIRONMENTAL BALANCING BUREAU (NEBB) OR THE ASSOCIATED AIR BALANCE COUNCIL (AABC) IN THOSE TESTING AND BALANCING DISCIPLINES REQUIRED FOR THIS PROJECT. THE TAB AGENCY SHALL HAVE AT LEAST ONE PROFESSIONAL ENGINEER REGISTERED IN THE STATE IN WHICH THE SERVICES ARE TO BE PERFORMED AND CERTIFIED BY NEBB OR AABC AS A TEST AND BALANCE ENGINEER. B. PRIOR TO TESTING, ADJUSTING, AND BALANCING, THE MECHANICAL CONTRACTOR SHALL VERIFY THAT THE SYSTEMS HAVE BEEN INSTALLED AND ARE OPERATING AS SPECIFIED. APPROVED SHOP DRAWINGS, AS BUILT DRAWINGS, AND ALL OTHER DATA REQUIRED FOR EACH SYSTEM AND/OR COMPONENT TO BE TESTED SHALL BE MADE AVAILABLE AT THE JOB SITE DURING THE ENTIRE TAB EFFORT. THE OWNER SHALL BE NOTIFIED IN WRITING OF ALL EQUIPMENT, COMPONENTS, OR BALANCING DEVICES, THAT ARE DAMAGED, INCORRECTLY INSTALLED, OR MISSING, AS WELL AS ANY DESIGN DEFICIENCIES THAT WILL PREVENT PROPER TESTING, ADJUSTING, AND BALANCING. TESTING, ADJUSTING, AND BALANCING SHALL NOT COMMENCE UNTIL APPROVED BY THE OWNER. C. PERFORM TESTING AND BALANCING PROCEDURES ON EACH SYSTEM IDENTIFIED, IN ACCORDANCE WITH THE DETAILED PROCEDURES OUTLINED IN EITHER NEBB, "PROCEDURAL STANDARDS FOR TESTING, ADJUSTING, AND BALANCING OF ENVIRONMENTAL SYSTEMS" OR AABC: "NATIONAL STANDARDS FOR TOTAL SYSTEM BALANCE." THE TAB AGENCY SHALL TEST, ADJUST, AND BALANCE THE FOLLOWING MECHANICAL SYSTEMS: a. ALL AIR HANDLING EQUIPMENT b. ALL SUPPLY AIR SYSTEMS c. ALL RETURN AIR SYSTEMS d. VERIFY OPERATION OF ALL TEMPERATURE CONTROL SYSTEMS e. TEST SYSTEMS FOR PROPER SOUND AND VIBRATION LEVELS D. SUBMIT TESTING, ADJUSTING, AND BALANCING REPORTS BEARING THE SEAL AND SIGNATURE OF THE TAB PROFESSIONAL ENGINEER. PREPARE A REPORT OF RECOMMENDATIONS FOR CORRECTING UNSATISFACTORY MECHANICAL PERFORMANCES WHEN A SYSTEM CANNOT BE SUCCESSFULLY BALANCED. E. PROVIDE ALL NECESSARY CONTROL DEVICES, EQUIPMENT, MATERIALS, LABOR, WIRE AND CONDUIT TO PERFORM THE SEQUENCES OF OPERATION AS INDICATED. WIRING AND CONDUIT SHALL BE INSTALLED IN ACCORDANCE WITH DIVISION 16. ALL CONTROL WIRING INSTALLED WITHIN AIR PLENUM SPACES TO BE TEFLON COATED RATED FOR PLENUM CEILINGS.			
2											
3											
4											
5											
6											
7											

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No.	Description	Date

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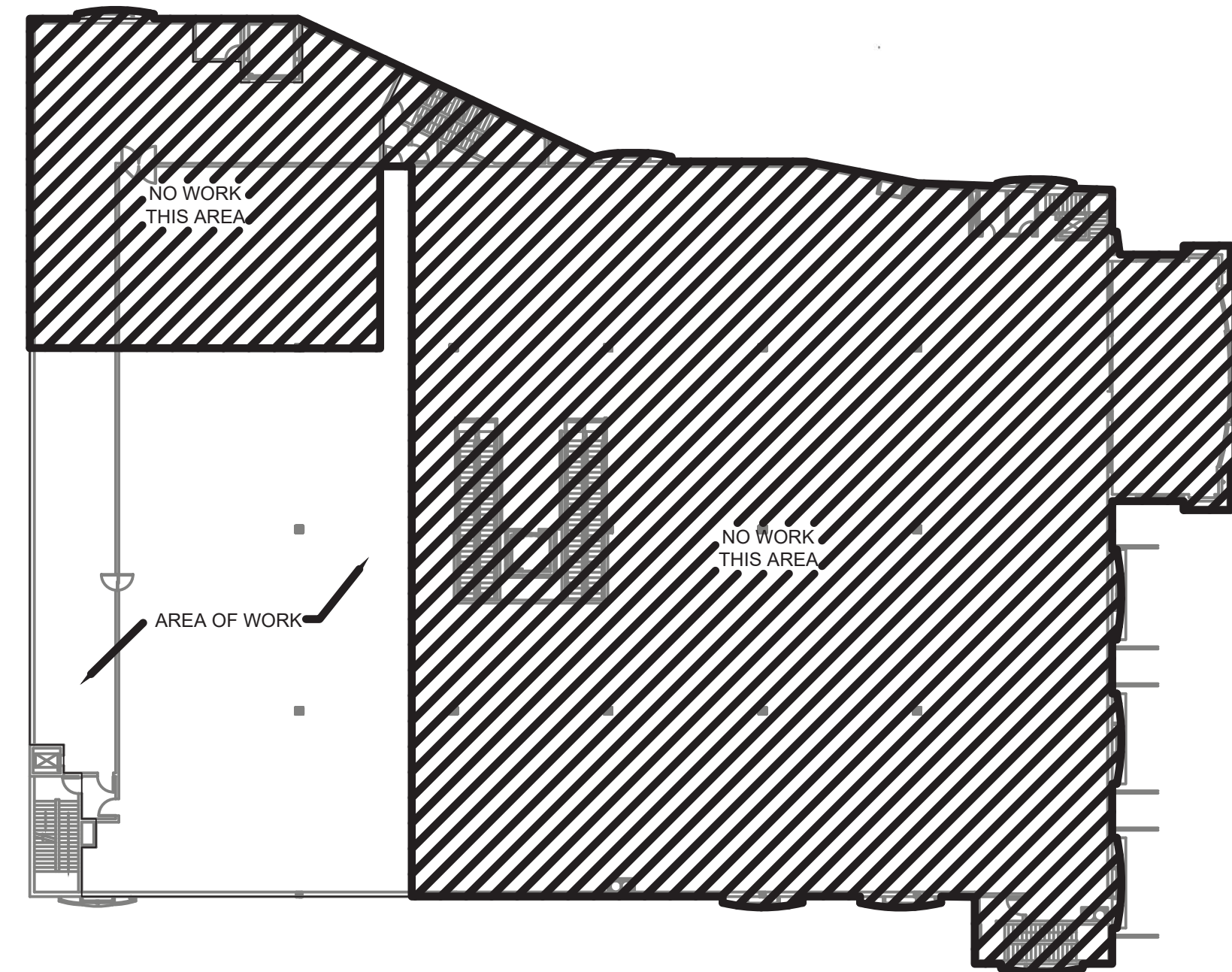
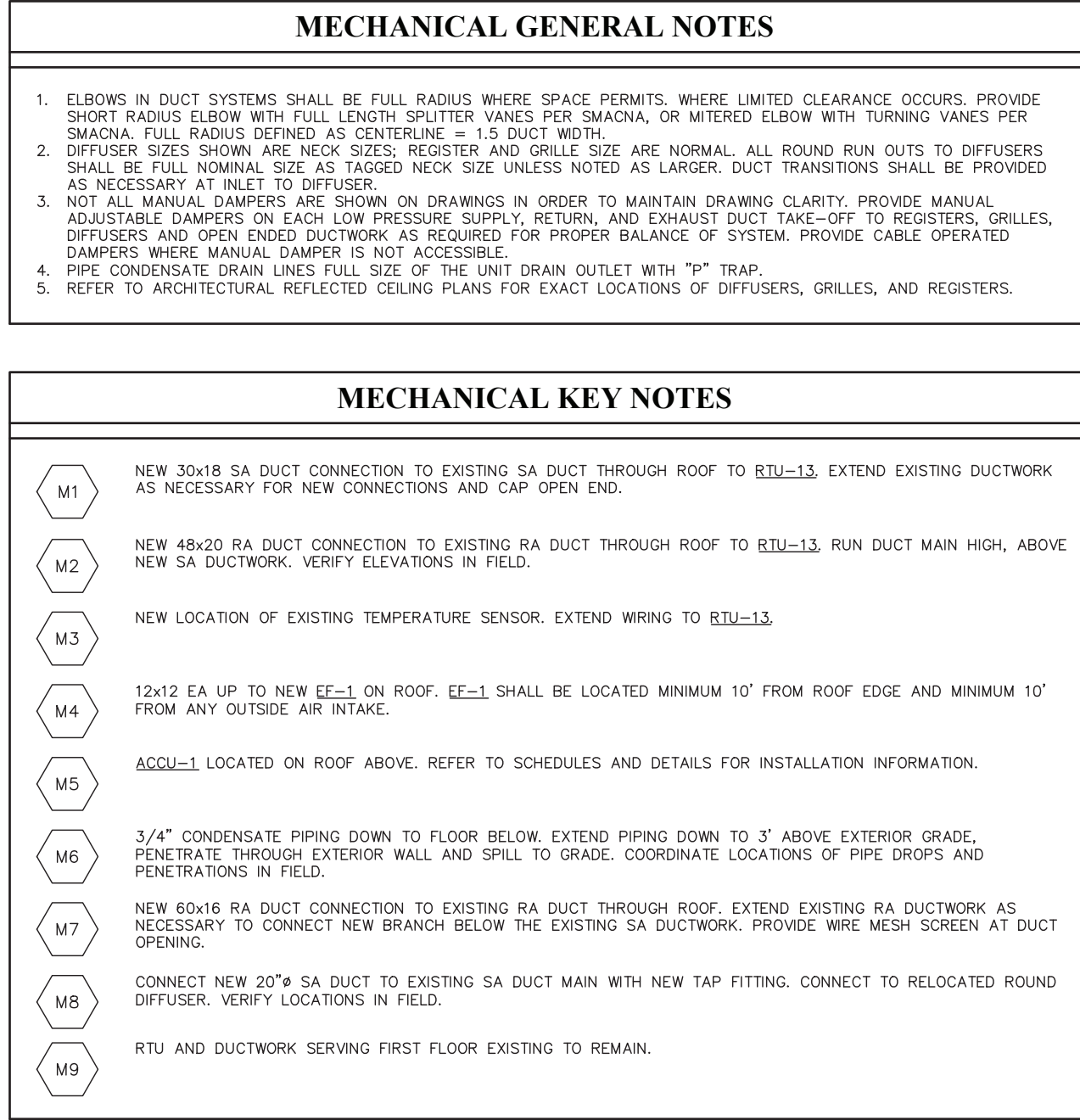
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MECHANICAL
SPECIFICATIONS

THE PREMIER
COLLECTION

Project Number	23-12
Date	06/07/23
Drawn By	AK
Checked By	PM
Scale	As Noted

M-001



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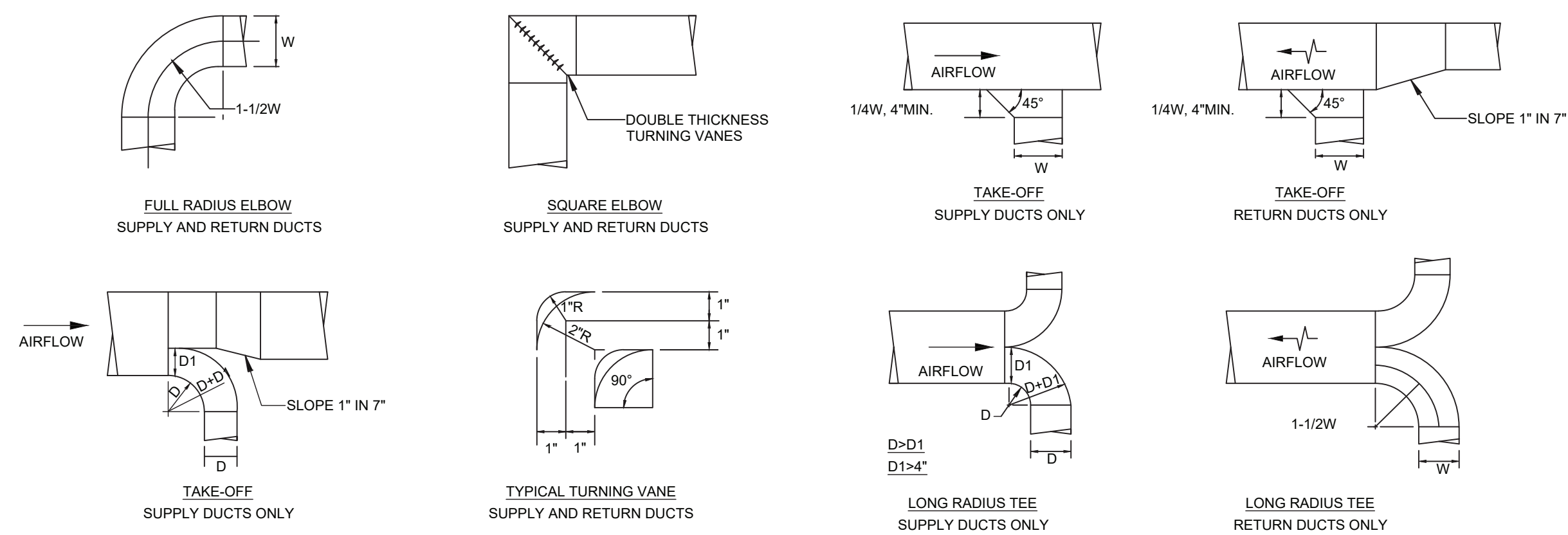
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MECHANICAL
SECOND FLOOR
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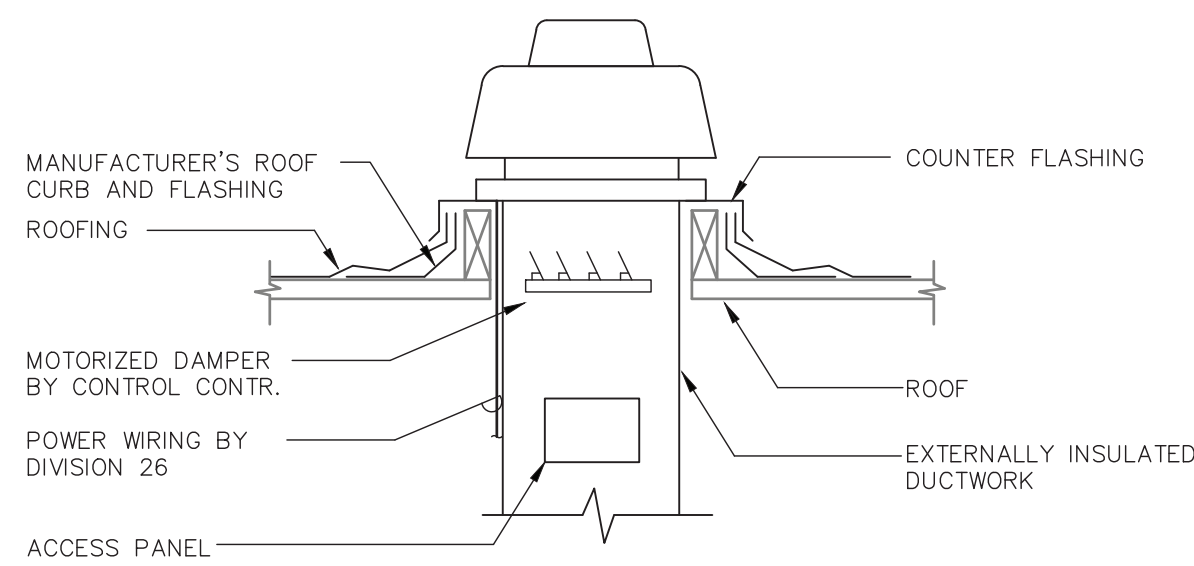
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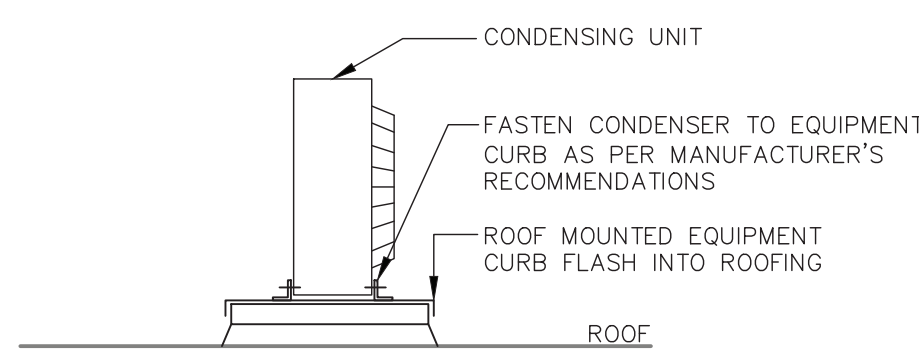
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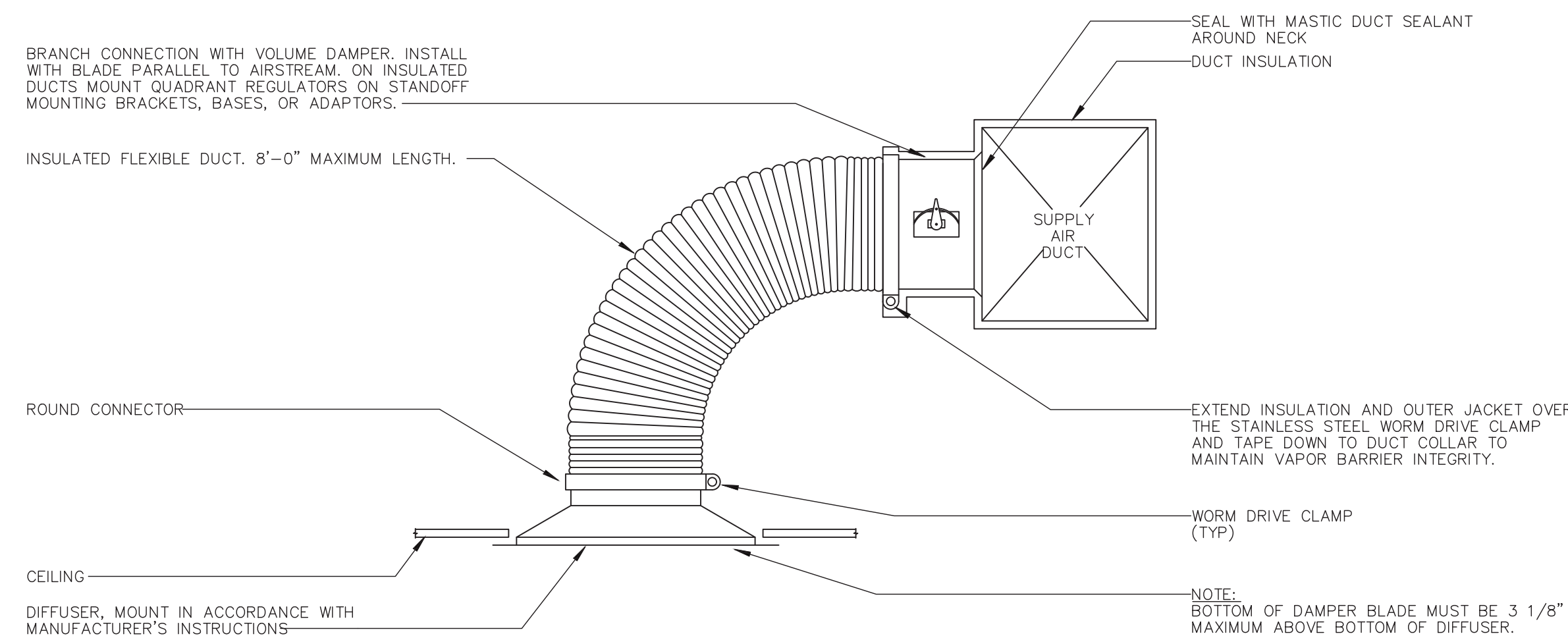
1 TYPICAL DUCT FITTING DETAILS



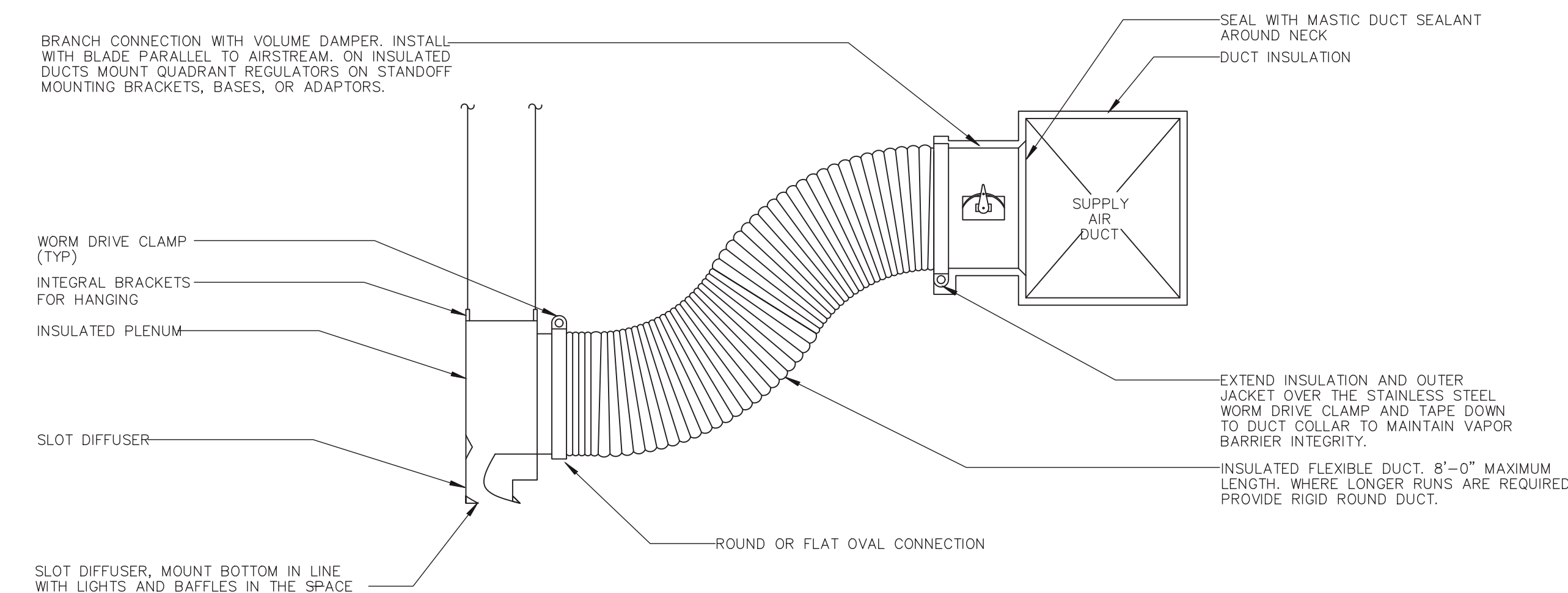
2 ROOF MOUNTED EXHAUST FAN



3 CONDENSING UNIT ROOF MOUNTING DETAIL



4 DIFFUSER WITH FLEX DUCT DETAIL



5 LINEAR SLOT DIFFUSER WITH FLEX DUCT DETAIL
SCALE: NONE

FAN SCHEDULE																		
GENERAL					PHYS.	PERFORMANCE					ELECTRICAL			REMARKS				
SYMBOL	MANUFACTURER	MODEL	LOCATION	SERVICE	WEIGHT (LBS)	CFM	SP (IN WG)	RPM	SONES	BHP	HP	VOLTS	PHASE	TYPE	RATINGS	FEATURES	INSTALL	
FE-1	COOK	100C17DEC	ROOF	BATHROOMS & JANITOR CLOSET	24	450	0.5	1,725	7.6	92 WATTS	1/4	120	1	1	ALL	ALL	ALL	
REMARKS—TYPE					REMARKS—RATINGS					REMARKS—FEATURES					REMARKS—INSTALL			
1. ROOF MOUNTED, DOWNBLAST, DIRECT DRIVE.					1. AIR PERFORMANCE CERTIFIED IN ACCORDANCE TO AMCA 210 2. SOUND PERFORMANCE CERTIFIED IN ACCORDANCE TO AMCA 300 3. UL LISTED					1. UNIT MOUNTED SPEED CONTROLLER					1. FAN CONTROLLED BY TIME CLOCK AND SHALL OPERATE CONTINUOUSLY ON BUILDING OCCUPANCY SCHEDULE. 2. PROVIDE ROOF CURB			

SPLIT SYSTEM AC UNIT - INDOOR AIR HANDLER SCHEDULE															
SYMBOL	MANUFACTURER	MODEL	TYPE	LOCATION	NOM. TONS	FAN	CAPACITIES		REFRIGERANT PIPING FROM CONTROLLER TO AIR HANDLER		ELECTRICAL			SOUND (dBA)	REMARKS
						CFM (LOW-HIGH)	COOLING (BTUH)	HEATING (BTUH)	LIQUID	GAS	MCA	VOLTS	PHASE		
AC-1	MITSUBISHI	PKA-A12LA	WALL	IT CLOSET	1.0	260-400	12,000	-	1/4"	1/2"	1.0	208	1	34-48	ALL
REMARKS 1. PROVIDE CONDENSATE PUMP 120V PLUG-IN TYPE AS MANUFACTURED BY SAUERMAN OR APPROVED EQUAL.															

SPLIT SYSTEM OUTDOOR UNIT SCHEDULE													
SYMBOL	MANUFACTURER	MODEL	LOCATION	NOMINAL TONS	CAPACITIES		ELECTRICAL			SOUND (dBA)	WEIGHT (LBS)	REMARKS	UNITS SERVED
					COOLING (BTUH)	HEATING (BTUH)	MCA	VOLTS	PHASE				
ACCU-1	MITSUBISHI	PUY-A12NKA7	ROOF	1.0	12,000	—	28	208	1	44	92	ALL	AC-1
REMARKS													
1. R410A REFRIGERANT. CAPACITY RATINGS AT ARI CONDITIONS. COOLING – 80° FDB, 67° FWB, 95° ODB.													
2. PROVIDE LOW AMBIENT KIT TO PROVIDE 100% CAPACITY DOWN TO –0°F.													
3. ROUTE REFRIGERANT PIPING FROM ACCU-1 TO AC-1. COORDINATE EXACT ROUTING IN FIELD. REFRIGERANT PIPE SIZE BY EQUIPMENT MANUFACTURER.													
4. MOUNT CONDENSING UNIT ON CURB.													

DIFFUSER AND REGISTER SCHEDULE							
SYMBOL	MANUFACTURER / MODEL NUMBER	DUTY	TYPE	BORDER TYPE	CONSTRUCTION		REMARKS
					FRAME	BLADES	
A	PRICE SPD SERIES	SUPPLY	DD	LAY-IN	STEEL	STEEL	1,5
B	PRICE 520 SERIES	SUPPLY	LF	SURFACE	STEEL	STEEL	2,5
C	PRICE SDS SERIES	SUPPLY	LS	—	ALUMINUM	ALUMINUM	3,4,5
D	PRICE 530 SERIES	RETURN/ EXHAUST	LF	SURFACE	STEEL	STEEL	2,5

MARCHETTI CONSULTING ENGINEERS
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CLARIS

THE PREMIER COLLECTION

251 EAST MAIN STREET
ELMSFORD, NY. 10523

[illegible]


MECHANICAL DETAILS AND SCHEDULES

THE PREMIER
COLLECTION

Project Number	23-12
Date	06/07/23
Drawn By	AK
Checked By	PM
Scale	As Noted

M-500

	A	B	C	D	E	F	G	H	I	J	MARCHETTI CONSULTING ENGINEERS 25 HIGH RIDGE ROAD POUND RIDGE, NY 10576 PHONE: (914) 764-9011 FAX: (914) 764-9012 EMAIL: chrisdad57@sbcglobal.net
1											
2											
3											
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6											
7											

<p>GENERAL PROCEDURES</p> <p>1. THESE SPECIFICATIONS ARE APPLICABLE TO ALL PLUMBING DRAWINGS UNLESS NOTED OTHERWISE.</p> <p>2. DESCRIPTION</p> <p>A. THIS PROJECT COMPRISES ALTERATIONS AND RENOVATIONS TO THE EXISTING BUILDING. THE EXISTING BUILDING IS CURRENTLY UNOCCUPIED.</p> <p>B. SCOPE OF WORK CONSISTS OF INSTALLATION OF MATERIALS TO BE FURNISHED UNDER THE CONTRACT DOCUMENTS AND WITHOUT LIMITING GENERALITY THEREOF CONSISTS OF FURNISHING LABOR, MATERIALS, EQUIPMENT, HOISTING, PLANT, TRANSPORTATION, RIGGING, STAGING, APPURTENANCES, AND SERVICES NECESSARY AND/OR INCIDENTAL TO PROPERLY COMPLETE ALL WORK AS SHOWN ON THE DRAWINGS AND AS DESCRIBED HEREIN. THE SCOPE OF WORK SHALL INCLUDE BUT NOT BE LIMITED TO:</p> <p>B.A. DEMOLITION AND REMOVAL OF ITEMS AS REQUIRED.</p> <p>B.B. PIPING AND PIPING ACCESSORIES.</p> <p>B.C. INSULATION OF PIPING, EQUIPMENT, AND MISCELLANEOUS PLUMBING ITEMS.</p> <p>B.D. CUTTING AND PATCHING</p> <p>B.E. SHOP DRAWINGS</p> <p>B.F. AS-BUILT DRAWINGS</p> <p>B.G. FULL COORDINATION WITH OTHER TRADES.</p> <p>B.H. WARRANTY AND GUARANTY</p> <p>B.I. PHASING AS REQUIRED BY OWNER, CONSTRUCTION MANAGER, GENERAL CONTRACTOR OR BUILDING MANAGEMENT</p> <p>B.J. PREMIUM TIME FOR WORK TO BE PERFORMED AFTER-HOURS AS REQUIRED BY BUILDING MANAGEMENT AND/OR OWNER.</p> <p>B.K. FILING, PERMITS, CONTROLLED INSPECTIONS.</p> <p>B.L. FULL TESTING AND STARTUP OF ALL SYSTEMS.</p> <p>3. DEFINITIONS: THE FOLLOWING DEFINITIONS APPLY TO THIS CONTRACT</p> <p>A. FURNISH: THE TERM "FURNISH" MEANS TO "PURCHASE AND DELIVER TO THE PROJECT SITE, READY FOR UNLOADING, UNPACKING, ASSEMBLY, INSTALLATION, AND SIMILAR OPERATIONS."</p> <p>B. INSTALL: THE TERM "INSTALL" IS USED TO DESCRIBE OPERATIONS AT PROJECT SITE INCLUDING THE ACTUAL UNLOADING, UNPACKING, ASSEMBLY, ERECTION, PLACING, ANCHORING, APPLYING, WORKING TO DIMENSION, FINISHING, CURING, PROTECTING, CLEANING, AND SIMILAR OPERATIONS.</p> <p>C. PROVIDE: THE TERM "PROVIDE" MEANS "TO FURNISH AND INSTALL, COMPLETE AND READY FOR THE INTENDED USE."</p> <p>D. NEW: THE TERM "NEW" MEANS MANUFACTURED WITHIN THE PAST TWO YEARS AND NEVER BEFORE USED.</p> <p>E. REMOVE: THE TERM REMOVE MEANS TO DISCONNECT FROM ITS PRESENT POSITION, REMOVE FROM THE PREMISES AND TO DISPOSE OF IN A LEGAL MANNER.</p> <p>F. RELOCATE: THE TERM "RELOCATE" MEANS TO MOVE EXISTING EQUIPMENT AND ALL ACCESSORIES AS REQUIRED SAFELY AND WITHOUT DAMAGE, STORING AS NECESSARY BETWEEN DEMOLITION AND NEW CONSTRUCTION PHASES.</p> <p>G. SUBSTITUTIONS: "SUBSTITUTIONS" ARE REQUESTS FOR CHANGES IN PRODUCTS, MATERIALS AND METHODS OF CONSTRUCTION AS PROPOSED BY THE CONTRORER AFTER AWARD OF THE CONTRACT.</p> <p>4. CONTRACT DOCUMENTS: DRAWINGS</p> <p>A. PRIOR TO SUBMISSION OF A FORMAL BID, THIS CONTRACTOR SHALL REVIEW ALL DRAWINGS OF THE ENTIRE PROJECT INCLUDING GENERAL CONSTRUCTION, DEMOLITION, ARCHITECTURAL, MECHANICAL, ELECTRICAL, PLUMBING, AND SPRINKLER AND SHALL INCLUDE ANY WORK REQUIRED IN THE BID WHICH IS INDICATED OR IMPLIED TO BE PERFORMED BY THIS TRADE IN OTHER SECTIONS OF THE WORK.</p> <p>B. PROVIDE ALL MATERIALS, EQUIPMENT AND LABOR NECESSARY TO COMPLETE THE WORK OUTLINED ON THESE CONTRACT DOCUMENTS. THE CONTRACTOR IS TO NOTE THAT THESE DOCUMENTS ARE DIAGRAMMATIC ONLY AND THAT FINAL PLACEMENT OF EQUIPMENT OR DEVICES IN THE FIELD MAY NOT DIRECTLY CORRESPOND TO THAT WHICH IS SHOWN ON THE DRAWINGS. IF A CONFLICT IN POSITIONING OCCURS THE CONTRACTOR IS TO NOTIFY THE ENGINEER IMMEDIATELY TO ASCERTAIN WHAT THE INTENT WAS BY THE DESIGN PROFESSIONAL. ALL WORK SHALL BE COORDINATED WITH OTHER TRADES TO AVOID CONFLICT. IF CONFLICT OCCURS IN THE SPECIFICATIONS AND/OR ON DRAWINGS, THE MORE STRINGENT SITUATION SHALL APPLY.</p> <p>5. SURVEY AND MEASUREMENTS:</p> <p>A. PRIOR TO SUBMITTING BID, VISIT SITE AND IDENTIFY EXISTING CONDITIONS AND DIFFICULTIES THAT WILL AFFECT WORK TO BE PERFORMED. NO COMPENSATION WILL BE GRANTED FOR ADDITIONAL WORK CAUSED BY UNFAMILIARITY WITH SITE CONDITIONS THAT ARE VISIBLE OR READILY IDENTIFIED BY EXPERIENCED OBSERVERS. INCLUDE IN THE BID ALL DEMOLITION WORK REQUIRED.</p> <p>B. DO NOT SCALE DRAWINGS. SCALE INDICATED ON DRAWINGS IS FOR ESTABLISHING REFERENCE POINTS ONLY. ACTUAL FIELD CONDITIONS SHALL GOVERN ALL DIMENSIONS.</p> <p>C. PRIOR TO ORDERING ANY MATERIALS AND EQUIPMENT, THOROUGHLY REVIEW THE SITE CONDITIONS TO DETERMINE IF ADEQUATE CLEARANCES AND ACCESS IS ALLOWED TO INSTALL THE COMPONENTS. ORDER EQUIPMENT BROKEN DOWN AS NECESSARY TO ALLOW FOR PROPER RIGGING THROUGH THE PROJECT AREA. PROVIDE ALL NECESSARY ALTERATIONS TO THE STRUCTURE OF THE BUILDING AS NECESSARY TO RIG THE EQUIPMENT IN PLACE.</p> <p>D. ARRANGE INSTALLATION TO PROVIDE ACCESS TO EQUIPMENT FOR EASY MAINTENANCE AND REPAIR.</p> <p>6. CODES AND STANDARDS: ALL WORK SHALL BE COMPLETED IN ACCORDANCE WITH THE LATEST STATE OF NEW YORK ACCEPTED VERSION OF THE FOLLOWING CODES. CONTRACTOR IS TO INFORM ENGINEER OF ANY EXISTING WORK OR MATERIALS WHICH VIOLATE ANY OF THE LAWS AND REGULATIONS LISTED BELOW. ANY WORK DONE BY THE CONTRACTOR CAUSING SUCH VIOLATION SHALL BE CORRECTED AT THE EXPENSE BY THIS CONTRACTOR AND AT NO EXPENSE TO THE OWNER.</p> <p>A. INTERNATIONAL RESIDENTIAL CODE</p> <p>B. INTERNATIONAL BUILDING CODE</p> <p>C. INTERNATIONAL PLUMBING CODE</p> <p>D. INTERNATIONAL MECHANICAL CODE</p> <p>E. NATIONAL ELECTRIC CODE (NFPA 70)</p> <p>F. THE LIFE SAFETY CODE (NFPA 101)</p> <p>7. PERMITS AND FEES: THE CONTRACTOR SHALL GIVE ALL NECESSARY NOTICES, OBTAIN ALL PERMITS; AND PAY ALL GOVERNMENT AND STATE SALES TAXES AND FEES WHERE APPLICABLE, AND OTHER COSTS, INCLUDING UTILITY CONNECTIONS OR EXTENSIONS IN CONNECTION WITH THE WORK. FILE ALL NECESSARY DRAWINGS, PREPARE ALL DOCUMENTS AND OBTAIN ALL NECESSARY APPROVALS OF ALL GOVERNMENTAL AND STATE DEPARTMENTS HAVING JURISDICTION, OBTAIN ALL REQUIRED CERTIFICATES OF INSPECTION FOR HIS WORK, AND DELIVER A COPY TO THE OWNER AND ENGINEER AT JOB COMPLETION.</p> <p>8. SHOP DRAWINGS:</p> <p>A. SUBMIT NEWLY PREPARED INFORMATION, DRAWN TO ACCURATE SCALE OF 1/4"=1'-0". HIGHLIGHT, ENCIRCLE, OR OTHERWISE INDICATE DEVIATIONS FROM THE CONTRACT DOCUMENTS. DO NOT REPRODUCE CONTRACT DOCUMENTS OR COPY STANDARD INFORMATION AS THE BASIS OF SHOP DRAWINGS. STANDARD INFORMATION PREPARED WITHOUT SPECIFIC REFERENCE TO THE PROJECT IS NOT CONSIDERED SHOP DRAWINGS.</p> <p>B. SHOP DRAWINGS INCLUDE EQUIPMENT SUBMITTALS, FABRICATION AND INSTALLATION DRAWINGS, SETTING DIAGRAMS, SCHEDULES, PATTERNS, TEMPLATES AND SIMILAR DRAWINGS. INCLUDE THE FOLLOWING INFORMATION:</p> <p>a. DIMENSIONS.</p> <p>b. IDENTIFICATION OF PRODUCTS AND MATERIALS INCLUDED.</p> <p>c. COMPLIANCE WITH SPECIFIED STANDARDS AND PERFORMANCE DATA AS INDICATED.</p> <p>d. NOTATION OF COORDINATION REQUIREMENTS.</p>			<p>e. NOTATION OF DIMENSIONS ESTABLISHED BY FIELD MEASUREMENT.</p> <p>f. SUBMIT 3 BLACK-LINE PRINTS AND 2 ADDITIONAL PRINTS WHERE REQUIRED FOR MAINTENANCE MANUALS, PLUS THE NUMBER OF PRINTS NEEDED BY THE ENGINEER FOR DISTRIBUTION. ONE PRINT WILL BE RETAINED; THE REMAINDER RETURNED. ONE OF THE PRINTS RETURNED SHALL BE MARKED-UP AND MAINTAINED AS A "RECORD DOCUMENT".</p> <p>g. DO NOT USE SHOP DRAWINGS WITHOUT AN APPROPRIATE FINAL STAMP INDICATING ACTION TAKEN IN CONNECTION WITH CONSTRUCTION.</p> <p>h. DO NOT ORDER ANY MATERIALS OR EQUIPMENT PRIOR TO RECEIVING FINAL APPROVED SHOP DRAWINGS.</p> <p>i. PROVIDE SUBMITTALS PRIOR TO FABRICATION FOR PLUMBING ITEMS WITHIN THE SCOPE OF WORK INCLUDING BUT NOT LIMITED TO PLUMBING FIXTURES, SUPPORTS AND TRIM, PIPE MATERIAL, FITTINGS, HANGERS, INSULATION, VALVES, ELECTRIC WATER HEATERS, PUMPS, FLOOR DRAINS, VALVE TAGS AND CHARTS.</p> <p>9. USE ADEQUATE NUMBERS OF SKILLED WORKMEN WHO ARE THOROUGHLY TRAINED AND EXPERIENCED IN THE NECESSARY CRAFTS AND WHO ARE COMPLETELY FAMILIAR WITH THE SPECIFIED REQUIREMENTS AND THE METHODS NEEDED FOR PROPER PERFORMANCE OF THE WORK.</p> <p>10. THE CONTRACTOR SHALL COORDINATE ALL INTERRUPTIONS OF SERVICES AND LIMITATIONS OF ACCESS WITH THE OWNER NO LESS THAN 2 DAYS PRIOR TO THE INTERRUPTION.</p> <p>11. OPERATION AND MAINTENANCE</p> <p>A. OPERATION AND MAINTENANCE MANUAL SHALL INCLUDE THE FOLLOWING:</p> <p>a. MANUFACTURER'S PRINTED OPERATING AND MAINTENANCE PROCEDURES.</p> <p>b. MAINTENANCE PROCEDURES FOR ROUTINE PREVENTATIVE MAINTENANCE AND TROUBLESHOOTING.</p> <p>c. COPIES OF WARRANTIES.</p> <p>d. APPROVED SHOP DRAWINGS AND PRODUCT DATA.</p> <p>e. INCLUDE IN THE MANUAL, A TABULATED EQUIPMENT SCHEDULE FOR ALL EQUIPMENT. SCHEDULE SHALL INCLUDE PERTINENT DATA SUCH AS: MAKE, MODEL NUMBER, SERIAL NUMBER, VOLTAGE, NORMAL OPERATING CURRENT, BELT SIZE, FILTER QUANTITIES AND SIZES, BEARING NUMBER, ETC. SCHEDULE SHALL INCLUDE MAINTENANCE TO BE DONE AND FREQUENCY.</p> <p>f. MAINTENANCE AND INSTRUCTION MANUALS SHALL BE SUBMITTED TO THE OWNER AT THE SAME TIME AS THE SEVEN (7) DAY NOTICE IS GIVEN PRIOR TO THE INSTRUCTION PERIOD.</p> <p>12. AS-BUILT DRAWINGS</p> <p>A. PREPARE AS-BUILT DRAWINGS TO A SCALE OF 1/4"=1'-0" OR LARGER; DETAILING THE ACTUAL INSTALLATION OF MAJOR ELEMENTS, COMPONENTS, AND SYSTEMS OF MECHANICAL EQUIPMENT AND MATERIALS WHERE SHOP DRAWINGS ARE USED, RECORD A CROSS-REFERENCE AT THE CORRESPONDING LOCATION ON THE AS-BUILT DRAWINGS. GIVE PARTICULAR ATTENTION TO CONCEALED ELEMENTS THAT WOULD BE DIFFICULT TO MEASURE AND RECORD AT A LATER DATE.</p> <p>B. MARK NEW INFORMATION THAT IS IMPORTANT TO THE OWNER, BUT WAS NOT SHOWN ON CONTRACT DRAWINGS OR SHOP DRAWINGS.</p> <p>C. NOTE RELATED CHANGE ORDER NUMBERS WHERE APPLICABLE.</p> <p>D. ORGANIZE AS-BUILT DRAWINGS INTO MANAGEABLE SETS, BIND WITH DURABLE PAPER COVER SHEETS, AND PRINT SUITABLE TITLES, DATES AND OTHER IDENTIFICATION ON THE COVER OF EACH SET.</p> <p>13. OBTAIN IN OWNER'S NAME WRITTEN EQUIPMENT AND MATERIAL WARRANTIES OFFERED IN MANUFACTURER'S PUBLISHED PRODUCT DATA WITHOUT EXCLUSION OR LIMITATION.</p> <p>14. GUARANTEE WORK OF THESE CONTRACT DOCUMENTS IN WRITING FOR NOT LESS THAN ONE (1) YEAR FROM DATE OF FINAL NOTICE OF ACCEPTANCE. REPAIR OR REPLACE DEFECTIVE MATERIALS, EQUIPMENT, WORKMANSHIP AND INSTALLATION THAT DEVELOP WITHIN THIS PERIOD, FROM PROMPT AND TO OWNER'S SATISFACTION AND CORRECT DAMAGE CAUSED IN MAKING NECESSARY REPAIRS AND REPLACEMENTS UNDER GUARANTEE WITHIN CONTRACT PRICE.</p> <p>15. THIS CONTRACTOR IS RESPONSIBLE FOR THE MAINTENANCE AND OPERATION OF ALL SYSTEMS UNTIL THE FINAL ACCEPTANCE OF THE WORK.</p> <p>16. SUBMIT TO THE OWNER AN OFFICIAL CERTIFICATE OF INSURANCE FOR THEIR RECORDS.</p> <p>MEANS AND METHODS ALL TRADES</p> <p>1. INSTALL ALL EQUIPMENT AND MATERIALS IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS</p> <p>2. DO NOT BURN WASTE MATERIALS. DO NOT BURY DEBRIS OR EXCESS MATERIALS ON THE OWNER'S PROPERTY. DO NOT DISCHARGE VOLATILE, HARMFUL OR DANGEROUS MATERIALS INTO DRAINAGE SYSTEMS. REMOVE AND DISPOSE OF ALL WASTE MATERIALS, PACKAGING MATERIAL, SKIDS ETC. FROM THE SITE AND DISPOSE OF IN A LAWFUL MANNER IN ACCORDANCE WITH MUNICIPAL, STATE AND FEDERAL REGULATIONS.</p> <p>3. MATERIALS AND EQUIPMENT SHALL BE UL LISTED WHERE STANDARD HAS BEEN ESTABLISHED.</p> <p>4. CAREFULLY INSPECT ALL BUILDING ELEMENTS PRIOR TO CUTTING OR DRILLING INTO WALL, FLOORS OR CEILINGS. PATCH AND PAINT SURFACES DISTURBED BY WORK UNDER THIS CONTRACT AS REQUIRED TO RESTORE THEM TO THEIR ORIGINAL CONDITION.</p> <p>5. SCAFFOLDING, RIGGING, HOISTING: THE CONTRACTOR SHALL FURNISH ALL SCAFFOLDING, RIGGING, HOISTING AND SERVICES NECESSARY FOR ERECTION AND DELIVERY INTO THE PREMISES ANY EQUIPMENT AND APPARATUS FURNISHED UNDER THIS DIVISION. REMOVE SAME FROM PREMISES WHEN NO LONGER REQUIRED.</p> <p>6. EXCAVATION AND BACKFILLING: IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO COORDINATE SIZES, DEPTHS, FILL AND BEDDING REQUIREMENTS AND ANY OTHER EXCAVATION WORK REQUIRED UNDER THESE SPECIFICATIONS</p> <p>7. WATERPROOFING: WHERE ANY WORK PIERCES WATERPROOFING, INCLUDING WATERPROOF CONCRETE, ROOFS, EXTERIOR WALL AND FLOORS IN WET AREAS, THE METHOD OF INSTALLATION SHALL BE REVIEWED BY THE ENGINEER BEFORE WORK IS DONE. THE CONTRACTOR SHALL FURNISH ALL NECESSARY SLEEVES, CAULKING AND FLASHING REQUIRED TO MAKE OPENINGS ABSOLUTELY WATERTIGHT.</p> <p>8. PROVIDE FIRESTOPPING AROUND ALL FIRE PROTECTION, PLUMBING, MECHANICAL AND ELECTRICAL PENETRATIONS THROUGH FIRE RATED PARTITIONS. PROVIDE ASBESTOS FREE FIRESTOPPING SYSTEM CAPABLE OF MAINTAINING AN EFFECTIVE BARRIER AGAINST FLAME AND GASES. SYSTEM SHALL BE UL LISTED AND COMPLY WITH ASTM E 814.</p> <p>9. ACCESS DOORS SHALL BE PROVIDED IN CEILINGS, WALLS AND FLOORS AT ALL VALVES, CONTROL DEVICES, AND OTHER APPARATUS AND EQUIPMENT REQUIRING PERIODIC SERVICE AND INSPECTION. COORDINATE TYPE AND LOCATION WITH ARCHITECTURAL PLANS.</p> <p>10. SEISMIC RESTRAINTS SHALL BE INSTALLED AS REQUIRED PER BUILDING CODE AND FIRE SAFETY CODE. RESTRAINTS SHALL BE INSTALLED IN ACCORDANCE WITH NFPA 13 AND SMACNA STANDARDS. SUBMIT SHOP DRAWINGS INCLUDING SEISMIC CALCULATIONS WITH PROFESSIONAL ENGINEER'S SEAL FOR REVIEW BY ENGINEER.</p>	<p>C. SANITARY WASTE PIPING SHALL BE HUBLESS, SERVICE WEIGHT, CAST-IRON SOIL PIPE AND FITTINGS, WITH NEOPRENE GASKETS. BURIED PIPING SHALL BE HUB AND SPIGOT FITTINGS.</p> <p>D. CONDENSATE PIPING SHALL BE SCHEDULE 40 PVC PIPE AND FITTINGS.</p> <p>2. INSULATION:</p> <p>A. INSULATION SHALL BE IN ACCORDANCE WITH LATEST EDITION OF THE IECC EXCEPT THAT PIPE INSULATION SHALL NOT BE LESS THAN 1" THICK. ALL INSULATION MATERIALS, ADHESIVES, COATINGS, AND OTHER ACCESSORIES SHALL HAVE FLAME SPREAD RATINGS OF 25 OR LESS, AND SMOKE DEVELOPED RATINGS OF 50 OR LESS AS TESTED BY ASTM E 84 (NFPA 255) METHOD. ALL INSULATION MATERIALS SHALL BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURERS RECOMMENDATIONS AND IN ACCORDANCE WITH THE LATEST EDITION OF SMACNA AND ASHRAE STANDARDS.</p> <p>B. PIPE INSULATION FOR DOMESTIC COLD WATER, HOT WATER, AND HOT WATER RETURN SHALL BE JOHN MANVILLE MICROLOK HP OR APPROVED EQUAL. PROVIDE PVC COVERS ON ALL EXPOSED PIPING. INSULATION THICKNESS SHALL BE PROVIDED AS FOLLOWS:</p> <p>a. DOMESTIC COLD WATER PIPING LESS THAN 1-1/4" SHALL HAVE MINIMUM 1" INSULATION THICKNESS</p> <p>b. DOMESTIC COLD WATER PIPING BETWEEN 1-1/2" TO 4" SHALL HAVE MINIMUM 1-1/2" INSULATION THICKNESS</p> <p>c. DOMESTIC HOT WATER PIPING LESS THAN 1-1/4" SHALL HAVE MINIMUM 1" INSULATION THICKNESS</p> <p>d. DOMESTIC HOT WATER PIPING BETWEEN 1-1/2" TO 4" SHALL HAVE MINIMUM 1" INSULATION THICKNESS.</p> <p>C. ALL EXPOSED DOMESTIC WATER PIPE SHALL BE WRAPPED WITH A PVC VAPOR BARRIER JACKET AS MANUFACTURED BY ZESTON OR APPROVED EQUAL. PVC JACKETING SHALL BE FINISHED TO BE WATER TIGHT.</p> <p>D. PIPE INSULATION FOR EXPOSED SANITARY, HOT WATER, AND COLD WATER PIPING LOCATED BELOW LAVATORIES, SINKS, AND OTHER PLUMBING FIXTURES SHALL BE PROVIDED WITH THRUBRO LAVGUARD2 AND RESILIENT MOLDED VINYL INSULATION.</p> <p>3. PIPING INSTALLATION:</p> <p>A. INSTALL PIPING IN ACCORDANCE WITH ALL APPLICABLE CODES AND GOOD PRACTICES.</p> <p>B. INSTALL UNIONS OR FLANGES IN PIPES ADJACENT TO EACH VALVE, CONTROL DEVICE AND AT FINAL CONNECTIONS EACH PIECE OF EQUIPMENT.</p> <p>C. INSTALL DIELECTRIC UNIONS TO JOIN DISSIMILAR METALS.</p> <p>D. INSTALL AND ANCHOR PIPING TO ENSURE PROPER EXPANSION AND CONTRACTION.</p> <p>E. ANCHOR PIPING TO ENSURE PROPER DIRECTION OF EXPANSION AND CONTRACTION.</p> <p>F. SUPPORT PIPING TO PREVENT VIBRATION OR SAGGING. PROVIDE HANGER SPACING ACCORDING TO DISTANCES LISTED IN APPLICABLE CODES AND REGULATIONS. SUPPORTS SHALL BE INSTALLED IN A MANNER APPROVED BY THE ARCHITECT AND SHALL NOT HANG FROM DUCTWORK OR OTHER PIPING.</p> <p>G. HANGERS SHALL NOT PENETRATE PIPING INSULATION.</p> <p>H. CAST IRON PIPE SHALL BE SUPPORTED AT INTERVALS OF 5'.</p> <p>I. COPPER TUBING SHALL BE SUPPORTED AT INTERVALS OF 6'.</p> <p>J. WALL PENETRATIONS: SLEEVES SHALL BE PROVIDED FOR ALL PIPES PASSING THROUGH FLOORS, WALLS, AND PARTITIONS.</p> <p>4. PLUMBING IDENTIFICATION</p> <p>A. PLUMBING IDENTIFICATION WORK SHALL COMPLY WITH ANSI A13.1. NAMES, ABBREVIATIONS AND OTHER DESIGNATIONS USED IN MECHANICAL IDENTIFICATION WORK, SHALL CORRESPOND WITH DESIGNATIONS SHOWN, SPECIFIED OR SCHEDULED.</p> <p>B. VALVE TAGS SHALL BE 1-1/2" DIAMETER, 19-GAGE POLISHED BRASS WITH STAMP-ENGRAVED LETTERING, ATTACH VALVES IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS.</p> <p>C. PROVIDE VALVE TAG ON EVERY VALVE, EXCLUDING DRAIN VALVES.</p> <p>D. PIPE IDENTIFICATION, PLASTIC PIPE MARKERS, FACTORY FABRICATED, FLEXIBLE, SEMI-RIGID PLASTIC, PERFORMED TO FIT AROUND PIPE OR PIPE COVERING, MINIMUM INFORMATION INDICATING FLOW DIRECTION ARROW AND IDENTIFICATION OF FLUID BEING CONVEYED.</p> <p>5. HANGERS AND SUPPORTS</p> <p>E. FACTORY FABRICATED HANGERS, CLAMPS, RODS, BUILDING ATTACHMENTS, SADDLES, AND SHIELDS COMPLYING WITH ANSI MSS-SP-58 SHALL BE PROVIDED.</p> <p>5. PLUMBING FIXTURES</p> <p>A. FURNISH AND INSTALL NEW PLUMBING FIXTURES AND TRIM AS SCHEDULED ON P-500 AND AS SHOWN ON FLOORPLANS.</p> <p>B. FIXTURES SHALL BE INSTALLED IN A PROFESSIONAL AND CLEAN MANNER, SET LEVEL AND SQUARE WITH RELATION TO FINISHED FLOOR AND WALL LINES.</p> <p>C. EACH FIXTURE SUPPLY CONNECTION SHALL BE PROVIDED WITH INDIVIDUAL SHUT-OFF VALVES.</p> <p>D. PROVIDE APPROPRIATE CARRIERS, BRACKETS, PLATES, CLEATS, BOLTS ETC. FOR SECURING FIXTURES RIGIDLY IN PLACE.</p> <p>E. WATERPROOF SEALANT SHALL BE PROVIDED AT SPACES BETWEEN NEW FIXTURES AND FLOORS, WALLS, OR COUNTERS.</p> <p>6. TESTING AND ADJUSTING</p> <p>A. ALL WATER PIPING SHALL BE TESTED IN ACCORDANCE WITH THE INTERNATIONAL PLUMBING CODE. THE SYSTEM SHALL BE PROVED TIGHT UNDER WATER PRESSURE OF 100 PSIG. THE PRESSURE SHALL BE APPLIED GRADUALLY AND THEN HELD FOR A MINIMUM OF TWO HOURS.</p> <p>B. ALL WASTE PIPING SHALL BE TESTED IN ACCORDANCE WITH THE INTERNATIONAL PLUMBING CODE. THE SYSTEM SHALL BE FILLED WITH WATER TO A HEAD OF NOT LESS THAN 10 FEET. THE WATER LEVEL AT THE TOP OF THE TEST HEAD OF WATER SHALL NOT DROP FOR AT LEAST 15 MINUTES.</p> <p>C. THE CONTRACTOR SHALL PROVIDE ALL NECESSARY EQUIPMENT FOR ALL TESTING.</p>							
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MARCHETTI CONSULTING ENGINEERS
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ELMSFORD, NY. 10523

No.	Description	Date

PLUMBING SPECIFICATIONS

THE PREMIER COLLECTION

Project Number	23-12
Date	06/07/23
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P-001



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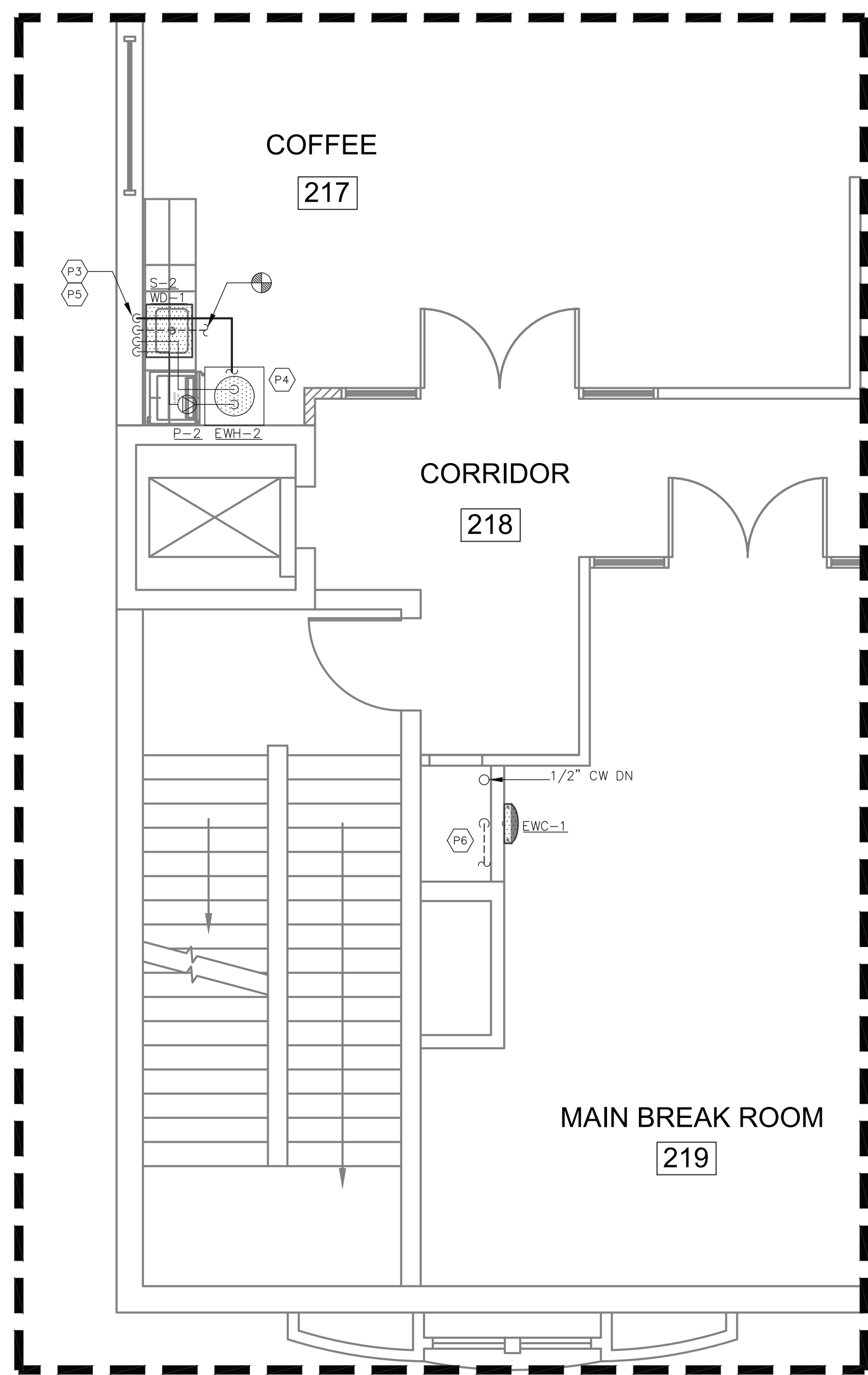
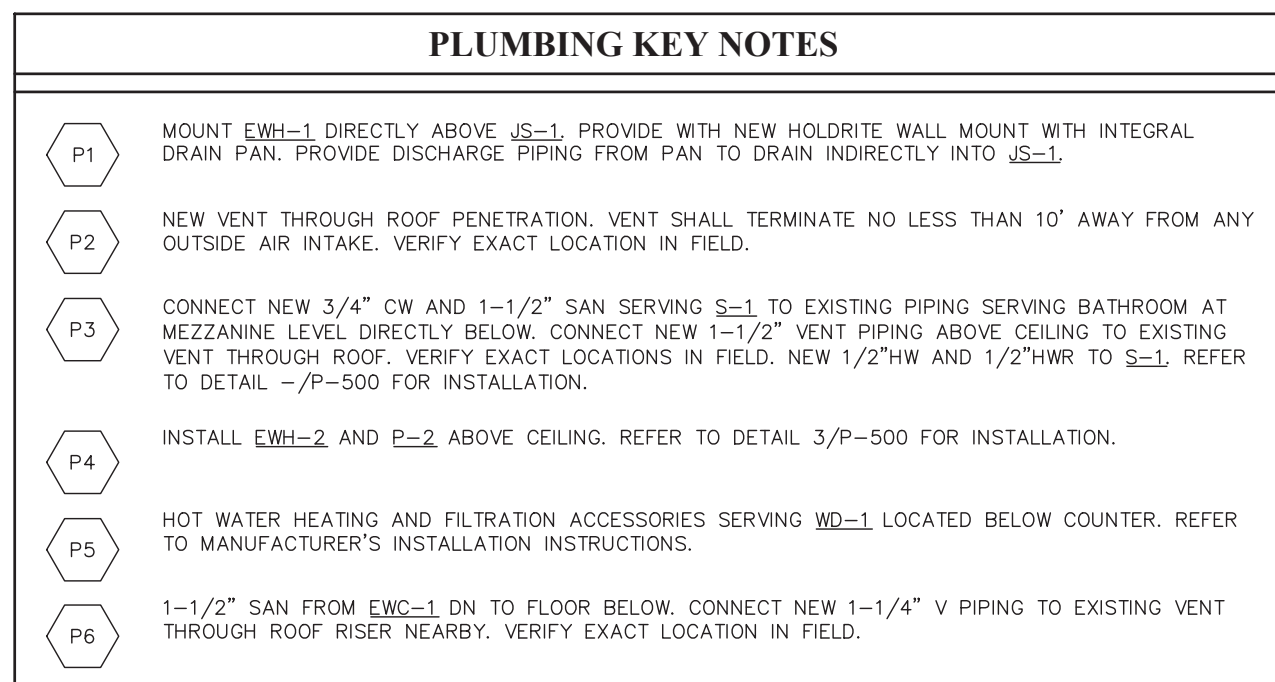
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PLUMBING PARTIAL PLANS

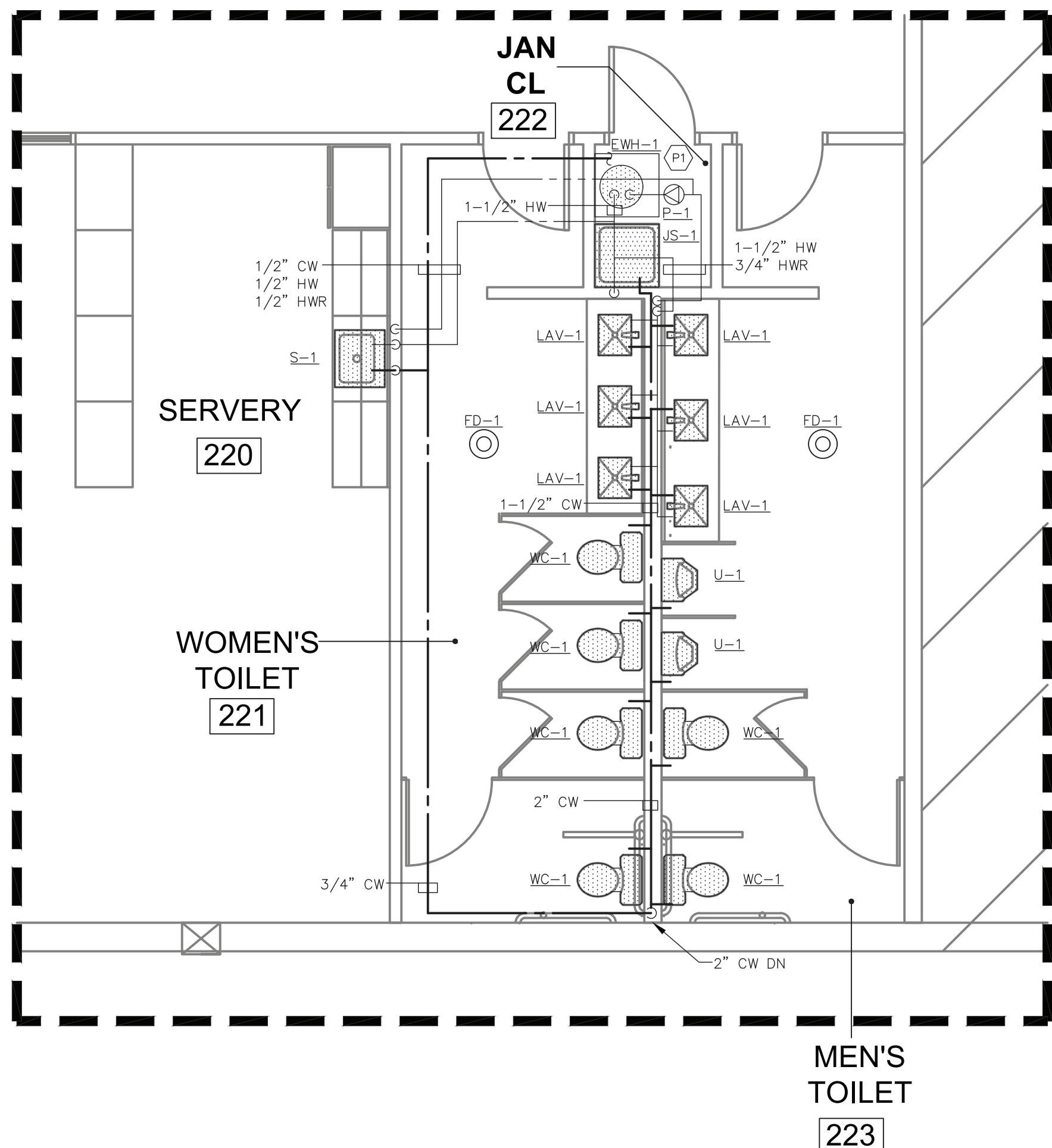
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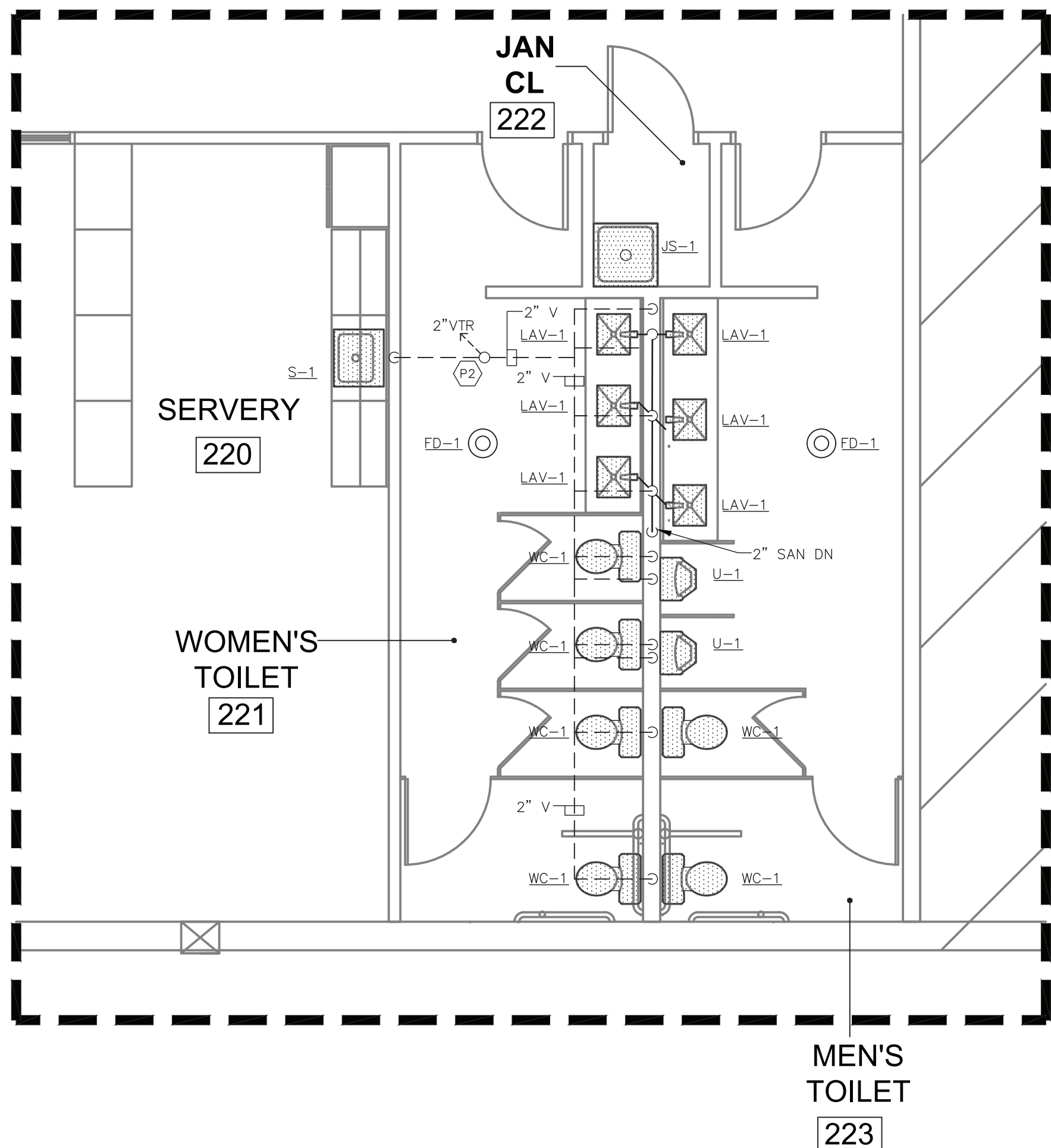
P-200



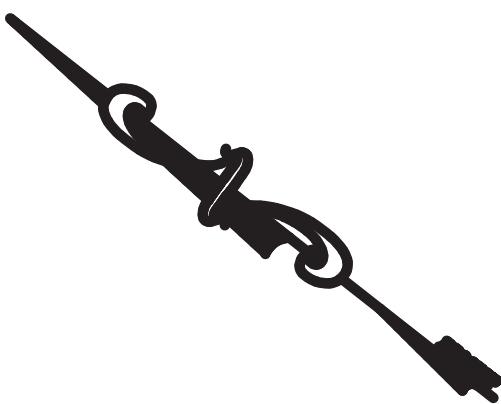
3 COFFEE STATION AND BREAK ROOM PLUMBING PART PLAN
P-200 SCALE: 1/4" = 1'-0"

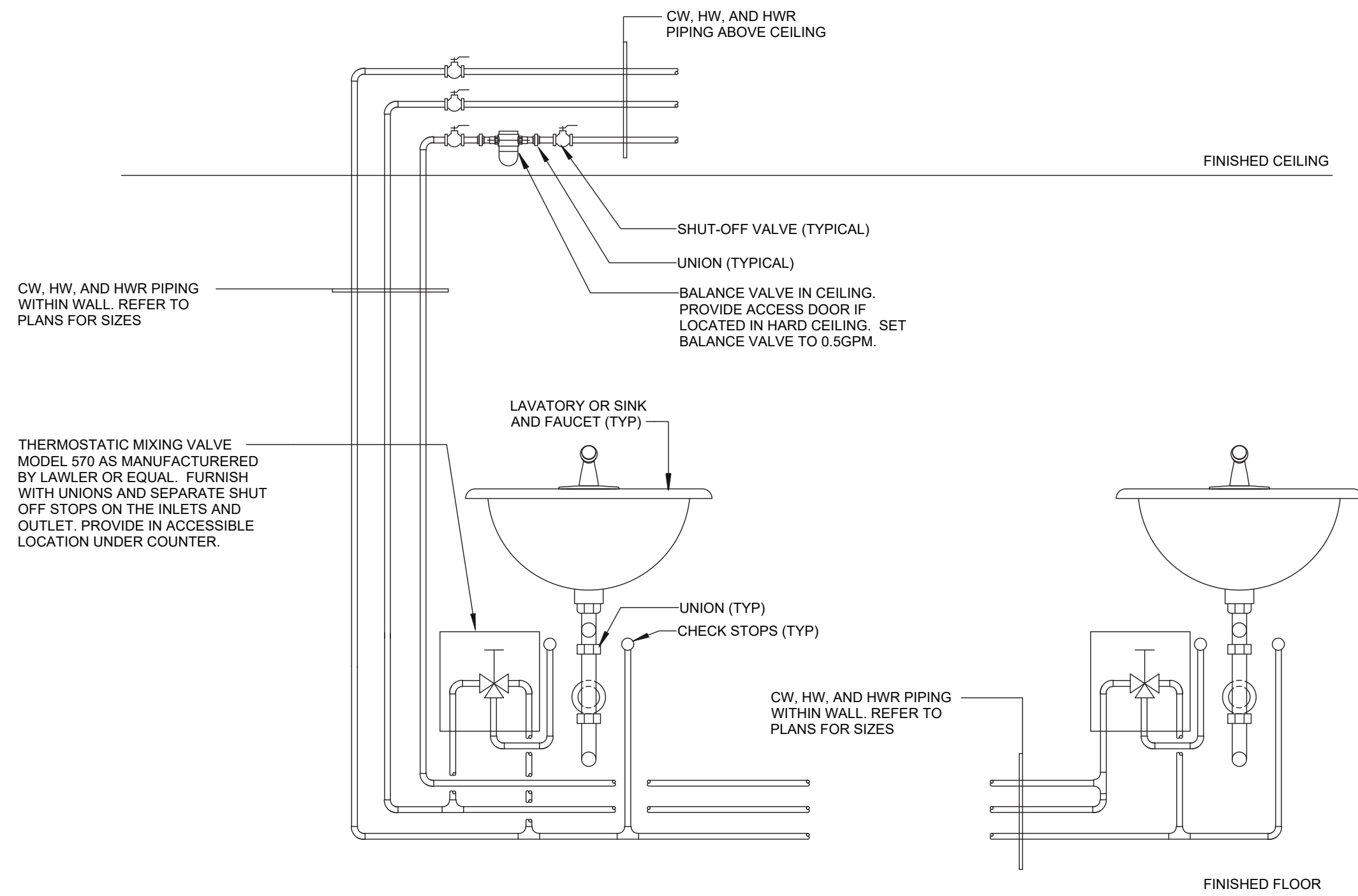


1 BATHROOM PLUMBING SUPPLY PART PLAN
P-200 SCALE: 1/4" = 1'-0"



2 BATHROOM SANITARY WASTE PART PLAN
P-200 SCALE: 1/4" = 1'-0"

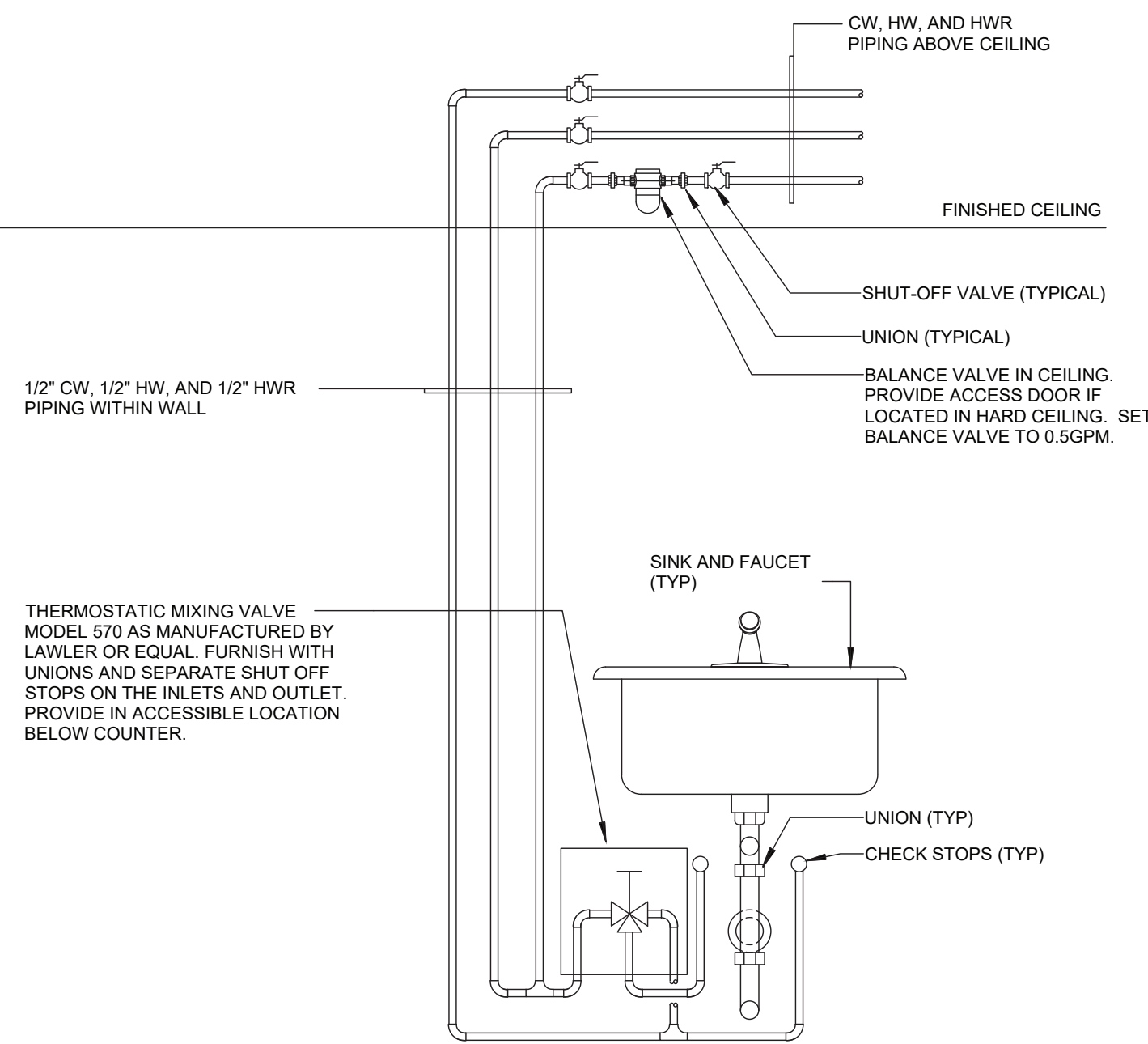




- NOTES:**
1. PROVIDE BALANCE VALVE ABOVE CEILING IN ACCESSIBLE LOCATION.
 2. EACH LAVATORY SHALL BE SERVED BY A MIXING VALVE INSTALLED BEHIND A LOCKABLE ACCESS DOOR LOCATED 15" TO 17" A.F.F.
 3. REFER TO FLOOR PLANS FOR PIPE SIZES AND TYPE/QUANTITY OF FIXTURES.
 4. THIS DETAIL IS INTENDED TO SHOW THE GENERAL INTENT OF THE HOT WATER CIRCULATION PIPING TO A FIXTURE. NOT ALL FIXTURE REQUIREMENTS, FITTINGS, AND DEVICES ARE SHOWN.

1 GROUP LAVATORY WITH SINGLE LEVER FAUCETS SUPPLY PIPING DETAIL

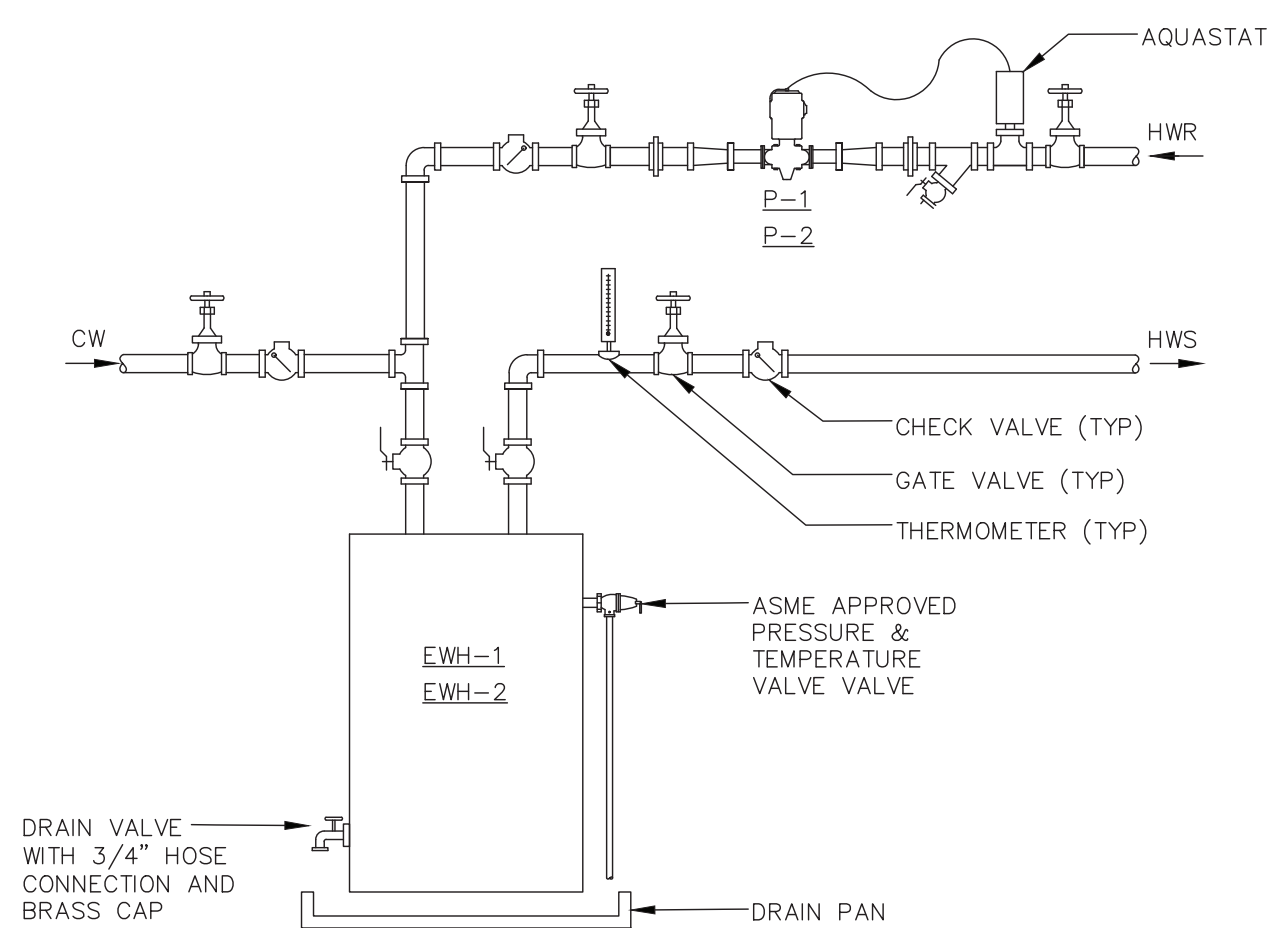
SCALE: NONE



- NOTES:**
1. PROVIDE BALANCE VALVE ABOVE CEILING IN ACCESSIBLE LOCATION.
 2. EACH SINK SHALL BE SERVED BY A MIXING VALVE INSTALLED IN CABINET BELOW.
 3. REFER TO FLOOR PLANS FOR PIPE SIZES AND TYPE/QUANTITY OF FIXTURES.
 4. THIS DETAIL IS INTENDED TO SHOW THE GENERAL INTENT OF THE HOT WATER CIRCULATION PIPING TO A FIXTURE. NOT ALL FIXTURE REQUIREMENTS, FITTINGS, AND DEVICES ARE SHOWN.

2 SINK WITH SINGLE LEVER FAUCET SUPPLY PIPING DETAIL

SCALE: NONE



3 ELECTRIC WATER HEATER CONNECTION DETAIL

SCALE: NONE

FIXTURE	MANUFACTURER	MODEL	WASTE	VENT	C.W.	H.W.	GAS	REMARKS
L-1	KOHLER	K-2196-1-0	1 1/2"	1-1/4"	1/2"	1/2"	---	LAVATORY, DROP-IN SINK WITH KOHLER #K-7515-CP FITTINGS, JONES #D70-100 GRID DRAIN AND TRUEBRO #102-EZ COVERS
WC-1	KOHLER	K-3519-0	3"	2"	1/2"	---	---	WATER CLOSET: FLOOR MOUNTED, VITREOUS CHINA WITH KOHLER #K-4731-C-0 SEAT
U-1	KOHLER	K-5016-ET-0	2"	1 1/2"	3/4"	---	---	URINAL: WALL HUNG WITH CARRIER AND SLOAN #G2 8186-0.5 FLUSH VALVE
S-1	STERLING	14631-3-NA	1 1/2"	1 1/4"	1/2"	1/2"	---	SINK: DROP-IN STAINLESS STEEL, 3 HOLE WITH KOHLER #K-10433-CP FAUCET AND #SS-112 STRAINER
S-2 &	STERLING	14631-4-NA	1 1/2"	1 1/4"	1/2"	1/2"	---	SINK: DROP-IN STAINLESS STEEL, 4 HOLE WITH KOHLER #K-10433-CP FAUCET AND #SS-112 STRAINER
WD-1 &	INSINKERATOR	F-HC1100	---	---	1/4"	1/4"	---	HOT & COOL WATER DISPENSER: MOUNT ON S-2. EQUIP WITH SPECIFIED HWI. ADJUSTABLE TEMPERATURE FROM 160F TO 210F AND INSTANT SELF-CLOSING HOT VALVE.
HWT	INSINKERATOR	HWT-F1000S	---	---	1/2"	1/2"	---	ELECTRIC WATER HEATER: 2/3 GALLON, 115V AND FILTRATION SYSTEM FOR USE WITH WD-1. MOUNT BELOW COUNTER.
EW-C-1	ELKAY	EZWSM8K	1-1/2"	1-1/4	1/2"	---	---	BOTTLE FILLING STATION: IN-WALL MOUNT, 115V ELECTRIC, REFRIGERATED CHILLING CAPACITY OF 8.0GPH.
JS-1	FIAT	MSB-2424	3"	2"	1/2"	1/2"	---	JANITOR SINK: 24"x24" MOLDED STONE BASIN WITH T&B #B-0665-BSTR FITTINGS, DOME STRAINER, P-TRAP AND VACUUM BREAKER
FD-1 &	JOSAM	30000 - A SERIES	4"	2"	---	---	---	FLOOR DRAIN: PROVIDE FIXTURE OR CIRCUIT VENTING AS REQUIRED. PROVIDE WITH SPECIFIED FG.
TG	PROVENT SYSTEMS	TRAPGUARD TG34IP	---	---	---	---	---	TRAP GUARD: 3" PVC MATERIAL. OPEN ON TOP WITH CURL CLOSURE AT BOTTOM. CLOSURES & RETURNS TO MOLDED SHAPE AFTER WASTE WATER DISCHARGE.

ELECTRIC WATER HEATER SCHEDULE

SYMBOL	MANUFACTURER/ MODEL NUMBER	LOCATION	WATER VOLUME (GAL)	DEGREE RISE (°F)	1ST HOUR (GPH)	CONTINUOUS (GPH)	ELECTRICAL			REMARKS
							KW	VOLTAGE	PH	
<u>EW1-1</u>	AO SMITH / DEL-10	JANITOR CLOSET	10	90	27	20	4.5	208	1	1,2,3
<u>EW1-2</u>	AO SMITH / DEL-10	COFFEE STATION	10	90	27	20	4.5	208	1	1,2,3

REMARKS:

1. PROVIDE WITH SINGLE POINT ELECTRICAL CONNECTION
2. PROVIDE MODEL FLOODSAFE LFWDS LEAK DETECTION SHUT-OFF VALVES AS MANUFACTURED BY WATTS.
3. WATER HEATER TO SUPPLY WATER AT 110°F

PUMP SCHEDULE

SYMBOL	MANUFACTURER/MODEL	LOCATION	SERVICE	TYPE	GPM	HEAD (FT)	ELECTRICAL				REMARKS
							HP	PH	VOLT	RPM	
P-1	TACO/006 BC4	JANITOR CLOSET	110 °F DOMESTIC HOT WATER RECIRC.	INLINE	3.0	10.0	1/40	1	120	3250	1
P-2	TACO/006 BC4	COFFEE STATION	110 °F DOMESTIC HOT WATER RECIRC.	INLINE	3.0	10.0	1/40	1	120	3250	1

1. PUMP TO BE CONTROLLED BY AQUASTAT ON HW SUPPLY. REFER TO PUMP DETAIL.

MARCHETTI CONSULTING ENGINEERS
25 HIGH RIDGE ROAD
POUND RIDGE, NY 10576

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THE PREMIER COLLECTION

251 EAST MAIN STREET
ELMSFORD, NY. 10523

[illegible]

PLUMBING DETAILS AND SCHEDULES

THE PREMIER
COLLECTION

Project Number	23-12
Date	06/07/23
Drawn By	AK
Checked By	PM
Scale	As Noted

P-500

1. "LOADS" INDICATED IN THE DESIGN LOAD CRITERIA TABLE ARE THOSE USED IN DESIGN OF THE BUILDING SUPERSTRUCTURE.
2. DESIGN LOADS AND CRITERIA USED IN THE DESIGN OF SPECIALTY STRUCTURAL SYSTEMS (i.e. CURTAINWALL, FIRESTAIRS, COLD-FORMED METAL FRAMING, ARCHITECTURAL PRECAST CONCRETE, METAL PANELS, ETC.) ARE TO BE DETERMINED BY A THIRD PARTY ENGINEER CONTRACTED BY THE SPECIALTY STRUCTURAL SYSTEM MANUFACTURER IN ACCORDANCE WITH CODE REQUIREMENTS OF THE GOVERNING JURISDICTION. THE SPECIALTY STRUCTURAL ENGINEER IS RESPONSIBLE FOR ALL CONNECTIONS OF THESE SYSTEMS TO THE SUPERSTRUCTURE, INCLUDING, BUT NOT LIMITED TO, ENGINEERING, DETAILING, AND INSTALLATION. IF ALTERATION TO THE SUPERSTRUCTURE IS REQUIRED AS DETERMINED BY THE E.O.R. TO REINFORCE OR REMOVE CONCRETION, THE SPECIALTY STRUCTURAL ENGINEER SHALL BE RESPONSIBLE FOR REINFORCEMENT AND COST SHALL BE BORNE BY THE SPECIALTY SUBCONTRACTOR AND SHALL BE CONSIDERED A PART OF THE SPECIALTY CONNECTION.
3. ALL DETAILS MARKED "TYPICAL" IN THE SET OF STRUCTURAL DRAWINGS SHALL BE APPLIED THROUGHOUT THE PROJECT AS REQUIRED TO SATISFY THE REQUIREMENTS OF THE CONSTRUCTION DOCUMENTS. THE CONTRACTOR SHALL COORDINATE REQUIREMENTS FOR QUANTITY AND LOCATION WHERE THE "TYPICAL" DETAILS APPLY.
4. FAILURE ON THE PART OF THE CONTRACTOR TO REVIEW THE DRAWINGS OF OTHER DISCIPLINES (i.e. ARCHITECTURAL, MECHANICAL, ELECTRICAL, PLUMBING, ETC.) TOGETHER WITH THE FULL EXTENT OF THE PROJECT SPECIFICATIONS DOES NOT RELIEVE THEM OF THE RESPONSIBILITY TO FURNISH AND INSTALL ITEMS THAT ARE PART OF THEIR WORK AS INDICATED BY THE DRAWINGS AND SPECIFICATIONS OF OTHER TRADES. ALL STRUCTURAL TRADE CONTRACTORS AND SUBCONTRACTORS ARE RESPONSIBLE FOR THE EXISTING STRUCTURE AND SHALL BE RESPONSIBLE FOR THE STRUCTURE TO BE CONSTRUCTED.
5. THE STRUCTURAL DRAWINGS FOR THIS PROJECT ARE NOT ISSUED FOR BID OR CONSTRUCTION UNLESS THE INDIVIDUAL SHEETS ARE IDENTIFIED AS "ISSUED FOR BID" OR "ISSUED FOR CONSTRUCTION".
6. THESE DRAWINGS DO NOT INCLUDE INFORMATION PERTAINING TO WEATHERPROOFING OR DRAINAGE OF STORM WATER, SUBSURFACE WATER, INTERIOR SURFACES, OR ANY OTHER AREAS THAT MAY BE IN CONTACT WITH WATER OR FLUIDS OF ANY KIND, ALL TREATMENTS OF SURFACES INCLUDING PITCH, SLOPE, FINISHES, WATERPROOFING, ETC. AND CONVEYANCE OF ANY FLUIDS AWAY FROM THE STRUCTURE IS INDICATED ELSEWHERE IN THE CONTRACT DOCUMENTS. STRUCTURAL SLABS, BALCONIES, PITTS, STAIRS ROVS, WALLS, AND MEMBERS DEFINED ON THE PLANS, SECTIONS, AND DETAILS ARE SHOWN FOR THE SOLE PURPOSE OF COMMUNICATING STRUCTURAL INFORMATION AND MAY NOT BE ACCURATE REGARDING THE INTENT OF THE FLOW OR FLOW AREA OF THE STRUCTURE. THE INTENT OF THE STRUCTURE IS SHOWN ON THE STRUCTURAL DRAWINGS RELATED TO SYSTEMS THAT CONTROL FLUID FLOW ACROSS THE STRUCTURAL ELEMENTS IS DIAGNOSTIC AND MUST BE CONFIRMED WITH THE FULL REQUIREMENTS OF THE BUILDING CODE AND THE CONTRACT DOCUMENTS.

UNLESS OTHERWISE NOTED OR SHOWN ON PLAN, THE FOLLOWING NOTATIONS SHALL APPLY)					
ADJ.	ADJUSTMENT	E.W.	EACH WAY	O.C.	ON-CENTER
ALT.	ALTERNATIVE	EXP.	EXPANSION	e	PLATE
ATTACH.	ATTACHMENT	E.J.	EXPANSION JOINT	PSF	POUNDS PER SQUARE FOOT
BOTT.	BOTTOM	EXT.	EXTENSION	PSI	POUNDS PER SQUARE INCH
BUDG.	BUILDING	FIN.	FINISH	R.O.F.	ROOF DRAIN
BM.	BEAM	FTG.	FOOT/FEET	REIN.	REINFORCING
CANT.	CANTILEVER	FTG.	FOOTING	REQ'D	REQUIRED
e	CENTERLINE	H	HANGER	S.C.	SLIP CONNECTION
CLR.	CLEAR	H.P.	HIGH POINT	S.O.G.	SHOULDER-ON-GROUND
CA, C.A.	COLUMN ABOVE	H.S.B.; HORIZ.	HORIZONTAL	SP.	SPLICE
CB, C.B.	COLUMN BELOW	HSB; H.S.B.	HIGH STRENGTH BOLT	SP.	SPACING
COL.	COLUMN	IN.	INCH, INCHES	S.Q.	SQUARE
CONC.	CONCRETE	JO.	JOINT	SYM.	SYMMETRY
CONN.	CONNECTION	LBS.	POUNDS	T & B	TOP AND BOTTOM
CONT.	CONTINUOUS	L.H.; L.L.H.	LONG LEG HORIZONTAL	THK.	THICKNESS
DIA.	DIAMETER	L.V.; L.L.V.	LONG LEG VERTICAL	T.O.J.	TOP OF JOIST
DWG.	DRAWING	L.P.	LOW POINT	T.O.S.	TOP OF STEEL
EA.	EACH	LOC(N'S)	LOCATION(S)	Typ.	TYPICAL
E.F.	EACH FACE	MAX.	MIDDLE	UN.	UNLESS OTHERWISE NOTED
EL.; ELEV.	ELEVATION	MD.	MAXIMUM	VERT.	VERTICAL
E.O.D.	EDGE OF DECK	MIN.	MINIMUM	W.W.F.	WELDED WIRE FABRIC
E.O.S.	EDGE OF SLAB	NO.	NUMBER		
E.O.	EQUALLY	N.T.S.	NOT TO SCALE		

(UNLESS OTHERWISE NOTED OR SHOWN ON PLAN, THE FOLLOWING NOTES SHALL APPLY)

1. DIMENSIONS AND ELEVATIONS OF EXISTING CONDITIONS SHOWN ON THE STRUCTURAL DRAWINGS ARE BASED ON LIMITED AVAILABLE INFORMATION CONTAINED IN EITHER VARIOUS ORIGINAL DESIGN AND CONSTRUCTION DOCUMENTS OR FIELD SURVEY. ACTUAL FIELD CONDITIONS NEED TO BE CONFIRMED BY THE CONTRACTOR PRIOR TO THE START OF WORK.
2. THE CONTRACTOR SHALL VERIFY ALL EXISTING DIMENSIONS AND CONDITIONS BY ACTUAL MEASUREMENT PRIOR TO BEGINNING WORK, AND WHEN FEASIBLE, PRIOR TO SHOP DRAWING SUBMITTALS. ANY AND ALL DISCREPANCIES SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT IMMEDIATELY. IT IS THE RESPONSIBILITY OF THE GENERAL CONTRACTOR TO COORDINATE SAID DISCREPANCIES WITH ALL SUBCONTRACTORS AND MATERIAL SUPPLIERS.
3. DURING CONSTRUCTION THE CONTRACTOR MAY ENCOUNTER EXISTING CONDITIONS WHICH ARE NOT KNOWN OR ARE AT VARIANCE WITH THE PROJECT DOCUMENTS. THE CONTRACTOR SHALL NOTIFY THE ARCHITECT OF ALL UNFORESEEN AND DEVIATING CONDITIONS INCLUDING, BUT NOT LIMITED TO: SIZES OR DIMENSIONS OTHER THAN THOSE SHOWN, DAMAGE OR DETERIORATION TO MATERIALS AND COMPONENTS AND CONDITIONS OF INSTABILITY OR LACK OF SUPPORT.
4. THE CONTRACTOR SHALL PROVIDE TEMPORARY SHORING AND BRACING AND MAKE SURE ALL EXISTING BUILDING CONSTRUCTION AND/OR ADJACENT PROPERTY AS PROJECT CONDITIONS REQUIRE DESIGN OF TEMPORARY SHORING AND BRACING BE PERFORMED AND PERSONNEL BY A LICENSED ENGINEER EMPLOYED BY THE CONTRACTOR.
5. WHERE NEW CONSTRUCTION IS REQUIRED TO SUPPORT THE EXISTING FRAMING AND/OR CONSTRUCTION THE CONTRACTOR IS TO ENSURE ALL EXISTING FRAMING IS SHORED AND BRACED PRIOR TO INSTALLATION OF THE NEW STRUCTURAL SUPPORT SYSTEM.

- UNLESS OTHERWISE NOTED OR SHOWN ON PLAN, THE FOLLOWING NOTES SHALL APPLY)
1. PER THE PERFORMANCE REQUIREMENTS OF THE COLD-FORMED METAL FRAMING SPECIFICATION THE FINAL DESIGN OF ALL COLD-FORMED ELEMENTS, INCLUDING STUDS, CONNECTIONS, BUILT-UP AND BOX-HEADERS, SHALL BE PERFORMED BY A REGISTERED ENGINEER EMPLOYED BY THE CONTRACTOR. SEE THE PROJECT'S SPECIFICATIONS FOR MINIMUM STUD DEPTH, WIDTH, GAGE, SPACING AND DEFLECTION CRITERIA.
2. ALL COLD FORMED STEEL FRAMING MEMBERS, THEIR DESIGN, FABRICATION, AND ERECTION SHALL CONFORM TO THE "SPECIFICATION FOR THE DESIGN OF COLD-FORMED STEEL STRUCTURAL MEMBERS" OF THE AMERICAN IRON AND STEEL INSTITUTE (AISI) 2016 EDITION.
3. ALL FRAMING MEMBERS SHALL BE FORMED FROM STEEL CONFORMING TO ASTM A446 WITH A MINIMUM YIELD STRENGTH AS FOLLOWS:
 - 12, 14, & 16 GAUGE MEMBERS: FY = 50 KSI (GRADE D)
 - 18 & 20 GAUGE MEMBERS: FY = 33 KSI (GRADE A)
4. ALL FRAMING MEMBERS SHALL BE GALVANIZED WITH A G-60 COATING MEETING THE REQUIREMENTS AS ASTM A525.
5. MEMBERS SHALL BE THE MANUFACTURERS STANDARD "C" SHAPED STUDS/JOISTS, HAVE A FLANGE PLU RETURN OF 1/2" AND SATISFY THE MINIMUM PROPERTIES AS PER "MARINO/ WARE" (OR EQUAL) PER MINIMUM REQUIREMENTS AND NOTES ON THIS SHEET.
6. THE GAUGE OF ALL TRACKS SHALL BE NO LIGHTER THAN THE FRAMING THAT IS BEING CONNECTED. UNLESS OTHERWISE INDICATED, CONNECT TRACKS TO CONCRETE WITH 0.205" DIAMETER POWER DRIVEN FASTENERS (WITH 1.25" EMBEDMENT) AT 16" ON-CENTER.
7. ALL WELDING SHALL BE IN CONFORMANCE WITH AMERICAN WELDING SOCIETY (AWS) SPECIFICATION D1.3. ALL WELDS SHALL BE TOUCHED UP WITH ZINC RICH PAINT. ALL STRUCTURAL MEMBERS SHALL BE PROPERLY CONNECTED TO EACH OTHER AND TO THE SUPPORTING BACK-UP FRAMING. FASTENINGS SHALL BE MADE WITH SELF TAPPING SCREWS OR WELDS OF SUFFICIENT SIZE TO INSURE THE CONNECTION STRENGTH. UNLESS OTHERWISE NOTED, CONNECT ALL MEMBERS BASED ON THE FOLLOWING LOADS:
 - EXTERIOR VERTICAL STUDS – DEAD LOAD PLUS LIVE AND LATERAL LOADS PER THE "DESIGN INFORMATION LOADS"
8. PROVIDE BRIDGING FOR STUDS, JOISTS AND RAFTERS AT MID-SPAN AND AT A MAXIMUM SPACING NOT TO EXCEED 6'-0". ALL BRIDGING SHALL BE INSTALLED PRIOR TO THE ADDITION OF ANY LOADING. CONNECT BRIDGING TO EACH MEMBER BY WELDING OR ANCHOR PLATE METHOD PER THE MANUFACTURERS REQUIREMENTS.
9. PROVIDE WEB STIFFENERS AT ALL LOCATIONS OF JOIST AND RAFTER BEARING IN ACCORDANCE WITH THE MANUFACTURERS REQUIREMENTS
10. ALL AXIALLY LOADED STUDS SHALL HAVE FULL BEARING AGAINST THE INSIDE TRACK WEB, PRIOR TO STUD AND TRACK ALIGNMENT. SPLICES IN AXIALLY LOADED STUDS IS NOT PERMITTED.
11. PROVIDE THE MANUFACTURERS STANDARD TRACK, CLIP ANGLES, BRACING, REINFORCEMENTS, FASTENERS AND ACCESSORIES AS RECOMMENDED BY MANUFACTURER FOR THE APPLICATION INDICATED AS NEEDED TO PROVIDE A COMPLETE FRAMING SYSTEM. UNLESS OTHERWISE NOTED, INSTALL THE METAL FRAMING SYSTEM IN ACCORDANCE WITH THE MANUFACTURERS WRITTEN INSTRUCTIONS AND RECOMMENDATIONS.
12. THE CONTRACTOR SHALL SUBMIT THE FOLLOWING FOR APPROVAL:

(UNLESS OTHERWISE NOTED OR SHOWN ON PLAN, THE FOLLOWING NOTES SHALL APPLY)

1. STRUCTURAL STEEL SHALL CONFORM TO THE AMERICAN INSTITUTE OF STEEL CONSTRUCTION (AISC) STEEL CONSTRUCTION MANUAL AND THE SPECIFICATION FOR STRUCTURAL STEEL BUILDINGS (2010).

2. UNLESS OTHERWISE NOTED, ALL MATERIALS SHALL BE IN ACCORDANCE WITH THE FOLLOWING SPECIFICATIONS:

MEMBER	ASTM	MINIMUM STRENGTH
ROLLED SHAPES	A992	50 KSI
OTHER ROLLED PLATES	A36	36 KSI
STRUCTURAL TUBING	A500 (GRADE B)	42 KSI
STEEL PIPE	A500 (GRADE B)	42 KSI
CONNECTION BOLTS	A325	92 KSI
ANCHOR BOLTS	F1554	—
THREADED RODS	A36	36 KSI
NON-SHRINK GROUT	C1107	8,000 PSI

3. CONNECTIONS SHALL BE SHEAR TYPE CONNECTIONS AND DESIGNED BY THE FABRICATOR FOR THE SHEAR FORCES INDICATED ON PLAN IN ACCORDANCE WITH THE AISC FOURTEENTH EDITION SPECIFICATIONS. MINIMUM BOLT DIAMETER SHALL BE 3/4" UNLESS OTHERWISE NOTED. BOLTS SHALL BE SHEAR/BEARING TYPE BOLTS AND BE "SNUG-TIGHT". STEEL BEAM CONNECTIONS SHALL BE DESIGNED TO SUPPORT A MINIMUM OF ONE HALF THE MAXIMUM TOTAL UNIFORM LOAD FOR PARTICULAR BEAM AND SPAN CONDITION AS DEFINED BY THE AISC MANUAL OF STEEL CONSTRUCTION (FOR COMPOSITE BEAMS, MULTIPLY BY 1.33).

4. METAL DECK SHALL BE ATTACHED ACCORDING TO METAL DECK MANUFACTURER AND STEEL DECK INSTITUTE (SDI) STANDARDS.

5. WELDING SHALL BE IN ACCORDANCE WITH AMERICAN WELDING SOCIETY (AWS) SPECIFICATION D.1:1 USING E70XX ELECTRODES. UNLESS OTHERWISE NOTED, PROVIDE CONTINUOUS MINIMUM SIZED FILLET WELDS PER AISC REQUIREMENTS. FILLER MATERIALS SHALL HAVE A MINIMUM YIELD STRENGTH OF 58 KSI.

6. PROVIDE 1/8" CAP PLATE FOR ALL OPEN ENDS OF HSS MEMBERS. INCREASE CAP PLATE THICKNESS TO 3/4" FOR ANY LOCATIONS WHERE FRAMING BEARS ON THE COLUMN CAP. ANY VENT HOLES REQUIRED IN THE TUBE WALLS FOR WELDING SHALL BE PLACED IN NON-VISIBLE LOCATIONS FOR EXPOSED MEMBERS IF POSSIBLE.

7. HOLES IN STEEL BEAMS SHALL BE DRILLED OR PUNCHED. ALL SLOTTED HOLES SHALL BE PROVIDED WITH SMOOTH EDGES. BURNING OF FIBES AND TORCH CUTTING AT THE HOLES IS NOT PERMITTED.

8. THE STRUCTURAL STEEL ERECTOR SHALL PROVIDE TEMPORARY GUYING AND BRACING AS REQUIRED. COLUMNS, ANCHOR BOLTS, BASE PLATES, ETC. HAVE BEEN DESIGNED FOR THE FINAL COMPLETE CONDITION, AND HAVE NOT BEEN INVESTIGATED FOR POTENTIAL LOADINGS ENCOUNTERED DURING STEEL ERECTION AND CONSTRUCTION. ANY INVESTIGATION OF THE COLUMNS, ANCHOR BOLTS, FRAMING, ETC. FOR ADEQUACY DURING THE STEEL ERECTION AND CONSTRUCTION PROCESS IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR.

1. DETAILED QUALITY CONTROL PROCEDURES AS REQUIRED TO SATISFY THE SPECIAL INSPECTION REQUIREMENTS OF THE LATEST BUILDING CODE HAVING JURISDICTION THIS REQUIREMENT MAY BE WAIVED AT THE OWNER'S DISCRETION PROVIDED THAT NECESSARY SHOP INSPECTIONS ARE PROVIDED. SEE SPECIAL INSPECTION NOTES FOR ADDITIONAL INFORMATION.
10. UNLESS OTHERWISE NOTED, STRUCTURAL STEEL PERMANENTLY EXPOSED TO THE WEATHER, INCLUDING ALL BRICK SHELF ANGLES, SHALL BE HOT-DIP GALVANIZED IN ACCORDANCE WITH ASTM A123. PROTECTIVE COATING DAMAGED DURING THE TRANSPORT, ERECTING AND FIELD WELDING PROCESS SHALL BE REPAIRED IN THE FIELD TO MATCH THE SHOP APPLIED COATING.
11. THE OWNER WILL HIRE AN INDEPENDENT TESTING AGENCY TO PROVIDE SPECIAL INSPECTIONS OF THE BOLTING, WELDING, AND OTHER ITEMS IN ACCORDANCE WITH THE LATEST BUILDING CODES HAVING JURISDICTION.
12. PROVIDE ANGLE FRAMES AT ALL ROOF OPENINGS AND MECHANICAL ROOFTOP UNITS PER TYPICAL DROP-IN FRAME DETAIL.
13. STEEL FABRICATOR TO SUPPLY 16 GAGE CLOSURE ANGLES AROUND ALL FLOOR OPENINGS AND PERIMETER OF BUILDINGS WHERE THE SLAB EDGE IS LESS THAN 6" IN LENGTH FROM THE BEAM CENTERLINE. FOR SLAB OVERHANG GREATER THAN 6" FROM THE BEAM CENTERLINE REFER TO TYPICAL SLAB EDGE DETAILS.
14. SEE ARCHITECTURAL DETAILS FOR ROOF DRAINS, MISCELLANEOUS ROOF OPENINGS, AND FOR ROOF CURBS AND THE REQUIRED MISCELLANEOUS ANGLE IRON AT THE OPENING LOCATIONS. MISCELLANEOUS IRON CONTRACTOR TO PROVIDE MISCELLANEOUS STEEL SHOWN ON ARCHITECTURAL DRAWINGS THAT IS NOT SHOWN ON STRUCTURAL DRAWINGS. FOR SLAB AND/OR ROOF OVERHANGS GREATER THAN 6" REFER TO THE TYPICAL SLAB EDGE DETAILS.
15. AT LOCATIONS ON THE ARCHITECTURAL DRAWINGS OR OTHER TRADES WHERE A STEEL ANGLE OR PLATE IS SHOWN DIAGRAMMATICALLY AND REFERENCE IS MADE TO THE STRUCTURAL DRAWINGS FOR SIZE, PROVIDE MINIMUM THICKNESS OF 3/8" MATERIAL AND PLATE WIDTH OR ANGLE SIZE AS SCALED FOR THE DRAWINGS. INSTALL THE PLATE OR ANGLE TO THE EXTENT REQUIRED TO ACCOMPLISH A COMPLETE JOB.
16. WHEN NO MEMBER SIZE IS GIVEN IN PLAN AND/OR SECTION, AND THE SIZE CANNOT BE DETERMINED

W-PIPPINES W16x50
W-SHAPES W16x50
ANGLES L6x6x1/2
TUBES/HOLLOW SECTIONS HS6x6x1/2
PIPES/HOLLOW SECTIONS 6" X-STRONG
WT (TEE'S) WT8x25

UNLESS OTHERWISE NOTED ALL MEMBERS INDICATED ON PLAN ARE W-SHAPES. FINAL SIZES SHALL BE CONFIRMED BY ENGINEER VIA A REQUEST FOR INFORMATION (RFI) DURING THE BID PERIOD OR DURING THE SHOP DRAWING PHASE. CONTRACTOR SHALL NOT BE ENTITLED TO COSTS FOR REVISIONS TO THE MEMBER SIZE IF AN RFI IS NOT SUBMITTED IN A TIMELY MANNER. STRUCTURAL STEEL SHALL BE PAINTED PER THE PROJECT SPECIFICATIONS.

17. STRUCTURAL STEEL FABRICATOR AND INSTALLER SHALL BE RESPONSIBLE FOR THE COORDINATION OF ALL FRAMED OPENINGS IN FRAMED FLOORS AND ROOF WITH APPROVED EQUIPMENT MANUFACTURER(S). OPENINGS SHALL INCLUDE, BUT ARE NOT LIMITED TO: MECHANICAL UNITS, EXHAUST FANS, CURB MOUNTED EQUIPMENT, ROOF DRAINS, SKYLIGHTS, STAIRS, SMOKE HATCHES, DUCT PENETRATIONS, EXPANSION JOINTS, ETC.

18. THE CONTRACTOR IS REQUIRED TO PROVIDE AN AFFIDAVIT, AT THE COMPLETION OF THE JOB, TO THE EFFECT THAT THE STRUCTURAL STEEL FRAME IS PLUMB AND LEVEL WITHIN THE NORMAL TOLERANCES SPECIFIED BY CODE AND/OR PROJECT SPECIFICATIONS.

19. THE CONTRACTOR SHALL PROVIDE A CERTIFIED SURVEY SHOWING THE EXACT LOCATIONS OF THE CENTERS OF COLUMNS AT THE TOP MOST LEVEL, EXACTLY AS INSTALLED. THIS INFORMATION SHALL BE INCORPORATED INTO THE "AS BUILT" DRAWINGS.

(UNLESS OTHERWISE NOTED OR SHOWN ON PLAN, THE FOLLOWING NOTES SHALL APPLY)

1. SHORING AND BRACING SHALL COMPLY WITH THE LOCAL BUILDING CODE AND ORDINANCES OF THE LOCAL GOVERNING AUTHORITIES.
2. INSPECTION FOR STRUCTURAL STABILITY SHALL BE PROVIDED BY AN APPROVED LICENSED ENGINEER EMPLOYED BY THE CONTRACTOR, AS REQUIRED BY LOCAL GOVERNING AUTHORITIES.
3. BRACING SHALL BE LOCATED TO CLEAR NEW CONSTRUCTION AND OTHER PERMANENT WORK.
4. MAINTAIN SHORING AND BRACING UNTIL STRUCTURAL ELEMENTS ARE REBRACED BY OTHER BRACING OR UNTIL PERMANENT CONSTRUCTION IS IN PLACE.

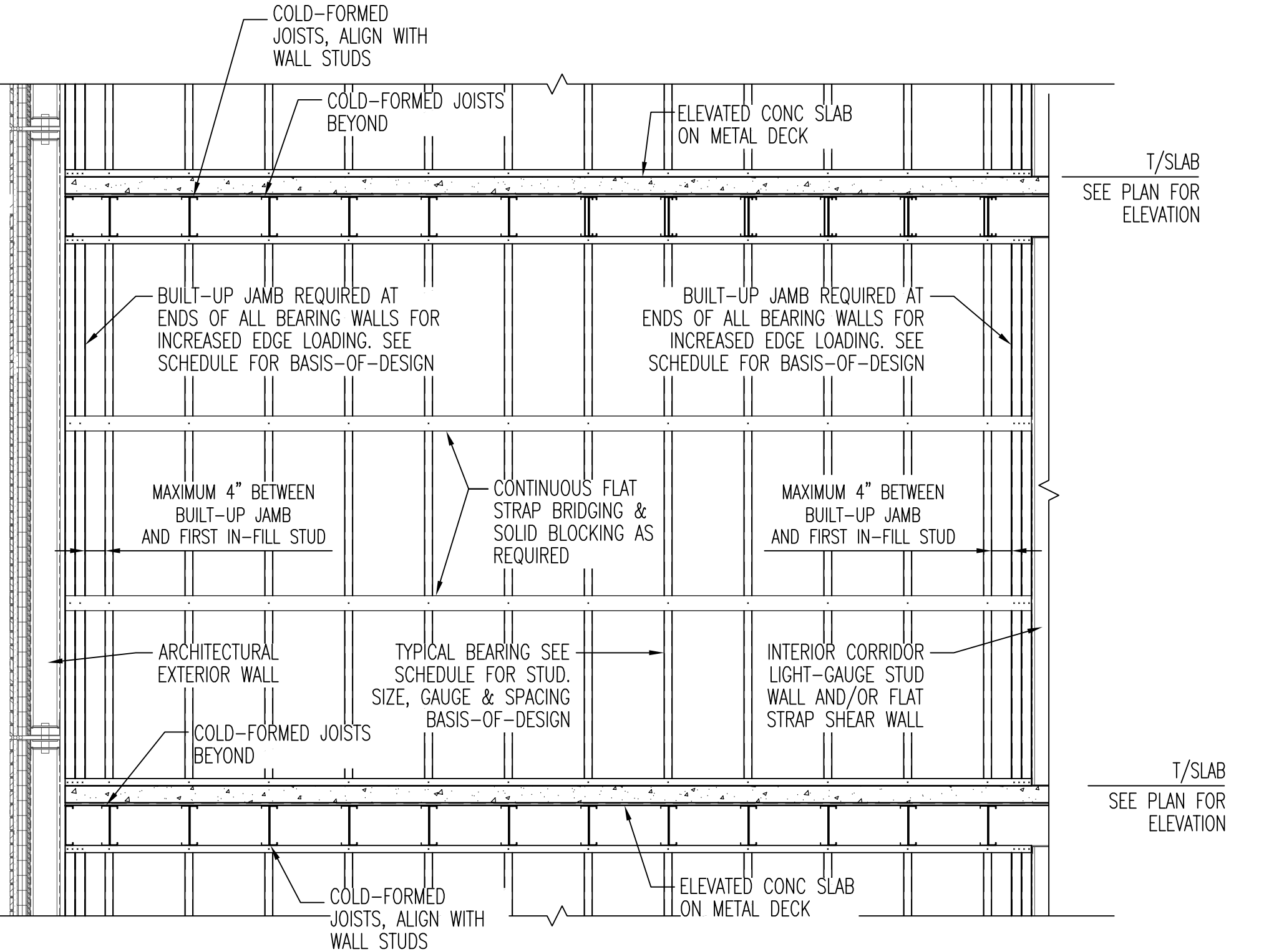
(UNLESS OTHERWISE NOTED OR SHOWN ON PLAN, THE FOLLOWING NOTES SHALL APPLY)

TESTING: OWNER SHALL ENGAGE A QUALIFIED INDEPENDENT TESTING AND INSPECTING AGENCY TO PERFORM THE FOLLOWING SERVICES:

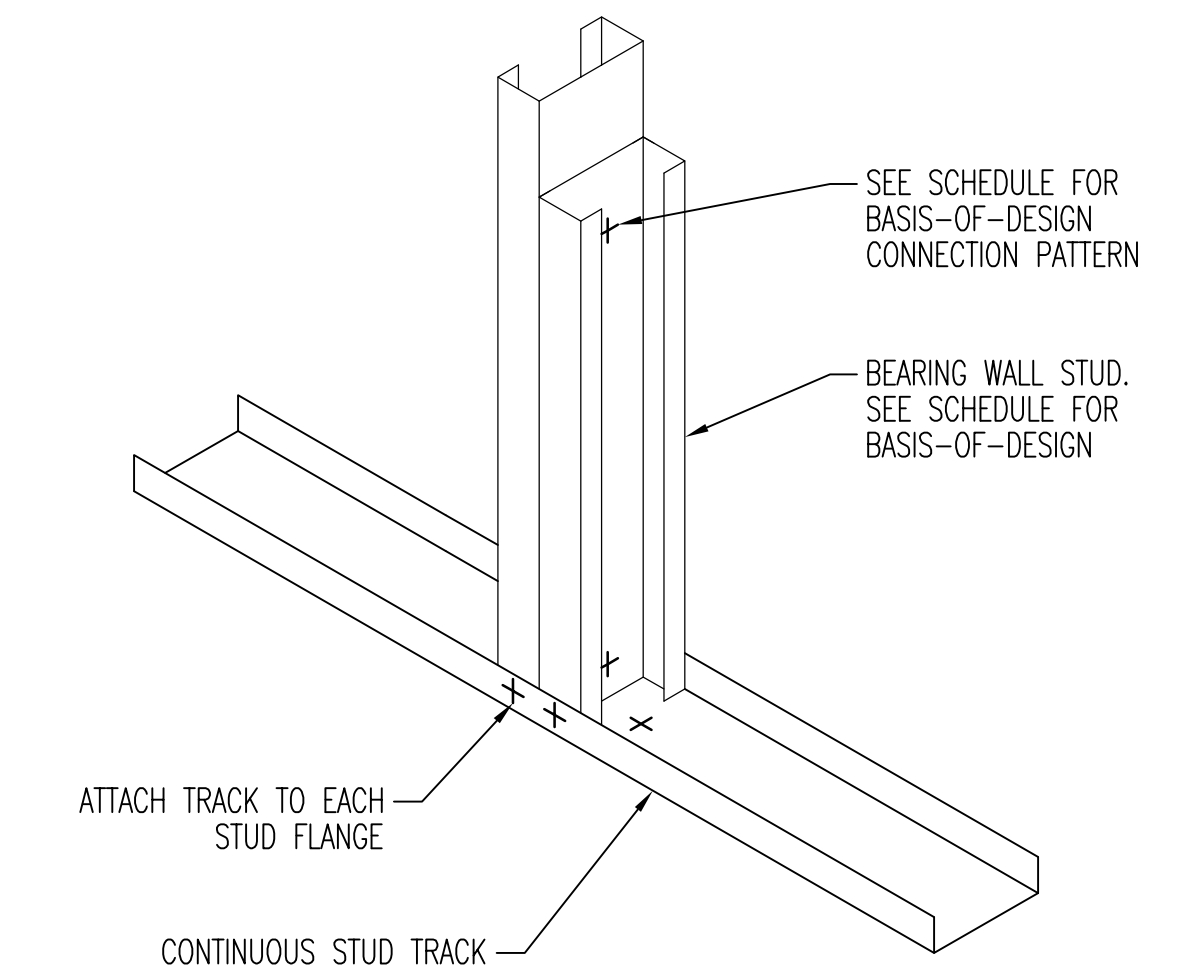
1. INSPECTION AND TESTING OF ALL STRUCTURAL FILL WITH REPORTS SUBMITTED TO THE ARCHITECT STATING COMPLIANCE OR NONCOMPLIANCE WITH PERCENT COMPACTION REQUIREMENTS.
2. STRUCTURAL STEEL: STRUCTURAL STEEL MEMBERS AND CONNECTIONS SHALL BE INSPECTED PER THE REQUIREMENTS OF IBC (NYC ED.) SECTION 1704.3 AND TABLE 1704.3.
 - 2.1. STEEL FABRICATOR INSPECTION: THE FABRICATOR SHALL BE AN AISC CERTIFIED SHOP FOR CATEGORY I STEEL STRUCTURES AND MAINTAIN DETAILED QUALITY CONTROL PROCEDURES AS REQUIRED TO SATISFY THE SPECIAL INSPECTION REQUIREMENTS OF IBC (NYC ED.) SECTION 1704.2.1 AND 1704.2.2.
3. COLD-FORMED STEEL: SPECIAL INSPECTIONS FOR PREFABRICATED AND SITE BUILT COLD-FORMED STEEL LIGHT-FRAME CONSTRUCTION AND ASSEMBLIES SHALL BE AS REQUIRED BY IBC (NYC ED.) SECTION 1704.3.4 AND TABLE 1704.3.4
4. SPECIAL INSPECTION FOR STRUCTURAL STABILITY SHALL BE REQUIRED FOR CONSTRUCTION WORK AS SPECIFIED BY IBC (NYC ED.) SECTION 1704.20.
5. INSTALLATION OF POST-INSTALLED MECHANICAL ANCHORS, ADHESIVE ANCHORS, AND SCREW ANCHORS SHALL COMPLY WITH IBC (NYC ED.) SECTION 1704.32 AND TABLE 1704.32.
6. WRITTEN REPORTS SHALL BE SUBMITTED TO THE ARCHITECT STATING COMPLIANCE OR NONCOMPLIANCE WITH THE DESIGN DOCUMENTS. ALL REPORTS SHALL BE SIGNED AND SEALED BY A LICENSED ENGINEER FROM THE STATE OF NEW YORK.
7. FAILURE TO RETAIN A TESTING AGENCY TO PERFORM THE REQUIRED SERVICES SPECIFIED ABOVE, OR FAILURE TO SUBMIT SIGNED AND SEALED REPORTS, INDICATES NONCOMPLIANCE WITH THE CONTRACT DOCUMENTS.
8. SEE ARCHITECTURAL, MECHANICAL, ELECTRICAL, AND PLUMBING CONSTRUCTION DOCUMENTS FOR ADDITIONAL NON-STRUCTURAL SPECIAL INSPECTION ITEMS.

2020 BUILDING CODE OF NEW YORK STATE

SEISMIC DESIGN (PER ASCE 7-16 Chapters 11 - 17)		SNOW DESIGN (PER ASCE 7-16 Chapters 7-16)																							
<ul style="list-style-type: none"> IBC OCCUPANCY CATEGORY = II SEISMIC IMPORTANCE FACTOR (I_e) = 1.00 ANALYSIS PROCEDURE = EQUIVALENT LATERAL FORCE PROCEDURE SITE CLASS = D (ASSUMED IN THE ABSENCE OF A SOILS REPORT) PLAN STRUCTURAL IRREGULARITIES = NO VERTICAL STRUCTURAL IRREGULARITIES = NO RESPONSE MODIFICATION FACTOR (R_w) = 2.00; C_t = 0.020 TYPE OF LATERAL SYSTEM: ORDINARY REINFORCED MASONRY SHEAR WALLS 0.2 SPECTRAL RESPONSE ACCELERATION (S_a) = 0.294 1.0 SPECTRAL RESPONSE ACCELERATION (S_1) = 0.061 DAMPED DESIGN SPECTRAL RESPONSE (S_{DS}) = 0.307 ACCELERATION (SHORT PERIOD) DAMPED DESIGN SPECTRAL RESPONSE (S_{D1}) = 0.098 ACCELERATION (1-second PERIOD) SEISMIC DESIGN CATEGORY = B 		<ul style="list-style-type: none"> GROUND SNOW LOAD (P_g) = 30 PSF FLAT ROOF SNOW LOAD (P_f) = 20 PSF SNOW EXPOSURE FACTOR (C_e) = 0.9 SNOW IMPORTANCE FACTOR (I_s) = 1.00 SNOW THERMAL FACTOR (C_t) = 1.0 																							
		DESIGN DEAD LOADS (INCLUDES SLAB/FLOOR/ROOF CONSTRUCTION SELF-WEIGHTS)																							
		<table> <tr> <td>3 PSF</td><td>- 1-1/2" METAL ROOF DECK</td></tr> <tr> <td>6 PSF</td><td>- ROOFING & INSULATION</td></tr> <tr> <td>4 PSF</td><td>- MECHANICAL/ELECTRICAL</td></tr> <tr> <td>2 PSF</td><td>- CEILING</td></tr> <tr> <td>5 PSF</td><td>- MISCELLANEOUS</td></tr> <tr> <td>20 PSF</td><td>- TOTAL ***</td></tr> </table>		3 PSF	- 1-1/2" METAL ROOF DECK	6 PSF	- ROOFING & INSULATION	4 PSF	- MECHANICAL/ELECTRICAL	2 PSF	- CEILING	5 PSF	- MISCELLANEOUS	20 PSF	- TOTAL ***										
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20 PSF	- TOTAL ***																								
		*** DOES <u>NOT</u> INCLUDE SELF-WEIGHT OF STEEL FRAMING.																							
<h3>WIND LOAD</h3> <p>WIND DESIGN (PER ASCE 7-16 Chapters 6)</p>		DESIGN LIVE LOADS (DESIGN LIVE LOADS (PER IBC/N BUILDING CODE SECTION 1607))																							
<ul style="list-style-type: none"> BASIC WIND SPEED (V_{bs}) = 115 MPH IMPORTANCE FACTOR (I_w) = 1.00 EXPOSURE CATEGORY = B GUST EFFECT FACTOR (G) = 0.85 INTERNAL PRESSURE COEFFICIENT (Gc_{pi}) = ±0.18 VERTICAL SURFACE WIND PRESSURES (STRUCTURAL FRAME) <ul style="list-style-type: none"> INTERIOR ZONE (ZONE C): ± 16 PSF EXTERIOR ZONE (ZONE A): ± 24 PSF VERTICAL SURFACE WIND PRESSURES (COMPONENTS & CLADDING) <ul style="list-style-type: none"> EFFECTIVE WIND AREA = 50 SQ. FT. (ASSUMED) INTERIOR ZONE (ZONE 4): + 24 PSF / - 26 PSF EXTERIOR ZONE (ZONE 5): + 24 PSF / - 30 PSF 		<table> <tr> <th>OCCUPANCY OR USE</th><th>PSF</th></tr> <tr> <td>CONFERENCE ROOMS</td><td>100</td></tr> <tr> <td>OFFICE AREAS</td><td>65**</td></tr> <tr> <td>RESTROOMS</td><td>80</td></tr> <tr> <td>LOBBIES/LOUNGES</td><td>80</td></tr> <tr> <td>CORRIDORS</td><td>100</td></tr> <tr> <td>CORRIDORS ABOVE FIRST FLOOR</td><td>80</td></tr> <tr> <td>STAIRS AND EXITS</td><td>100</td></tr> <tr> <td>LIGHT STORAGE</td><td>125</td></tr> <tr> <td>MECHANICAL ROOMS</td><td>75</td></tr> <tr> <td>FOLDING PARTITIONS</td><td>9.5</td></tr> </table>		OCCUPANCY OR USE	PSF	CONFERENCE ROOMS	100	OFFICE AREAS	65**	RESTROOMS	80	LOBBIES/LOUNGES	80	CORRIDORS	100	CORRIDORS ABOVE FIRST FLOOR	80	STAIRS AND EXITS	100	LIGHT STORAGE	125	MECHANICAL ROOMS	75	FOLDING PARTITIONS	9.5
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		** 15 PSF PARTITION LOAD INCLUDED																							

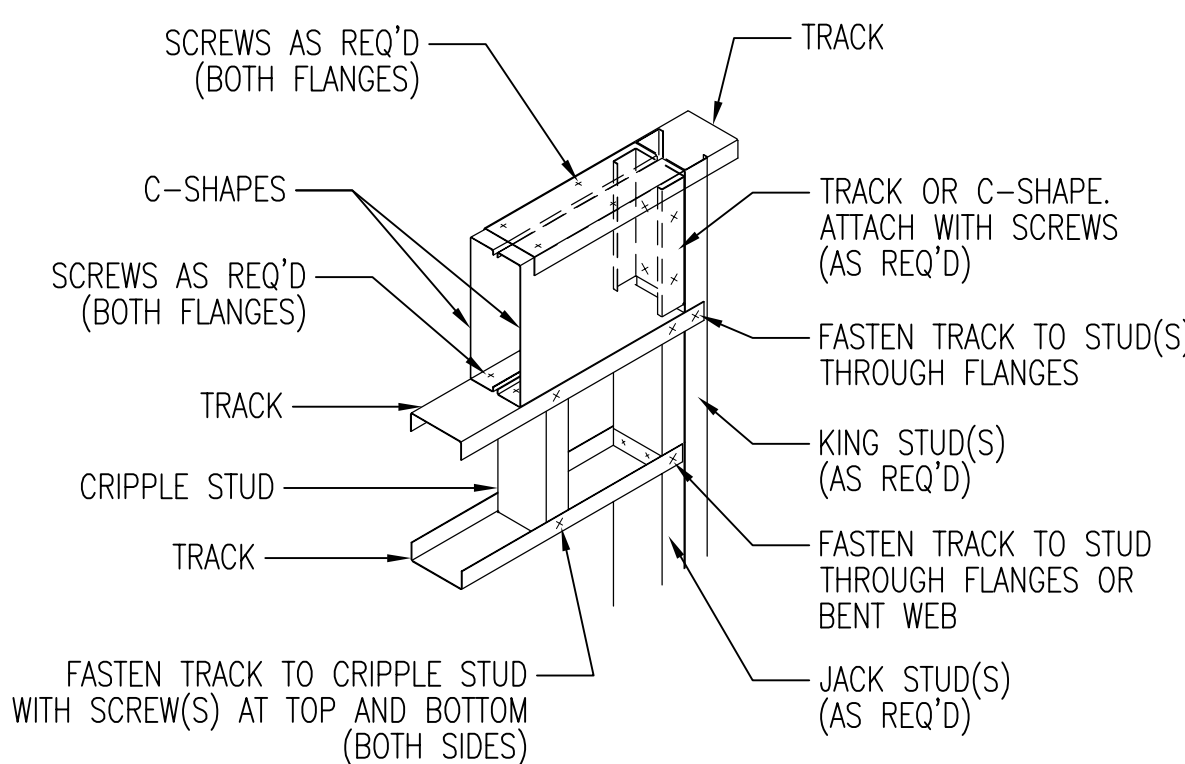


TYPICAL COLD-FORM STUD BEARING WALL ELEVATION
NOT TO SCALE

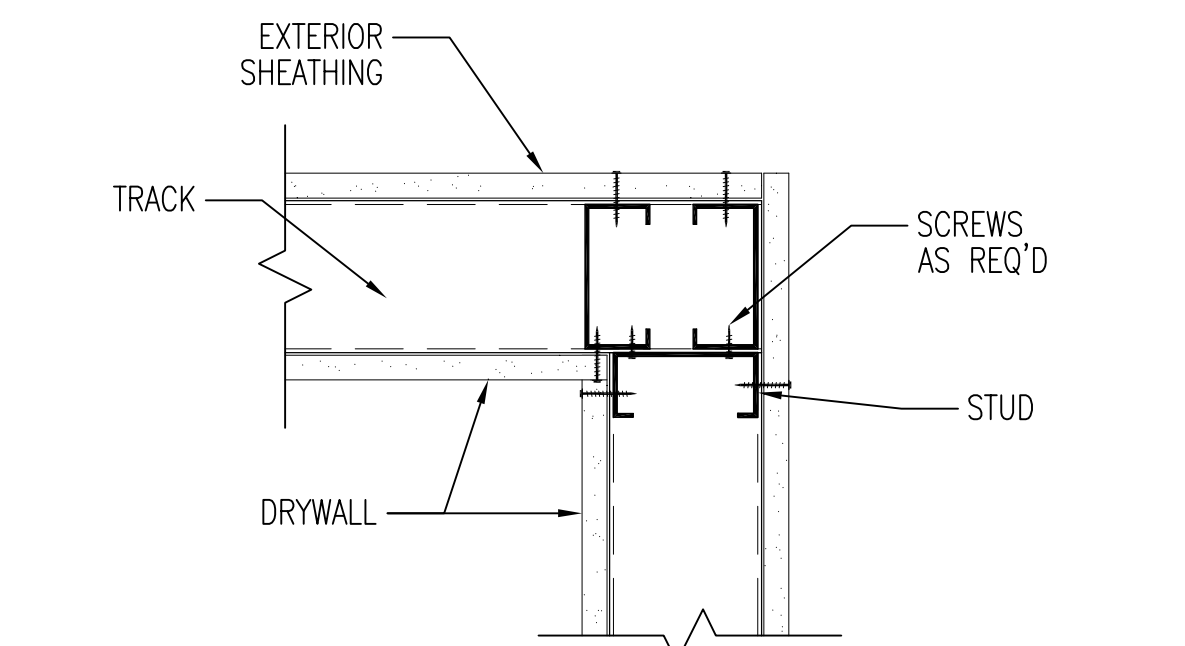


DIAGRAMMATIC DETAIL
BACK-TO-BACK LOADING BEARING STUDS

SCALE: $3/4" = 1'-0"$

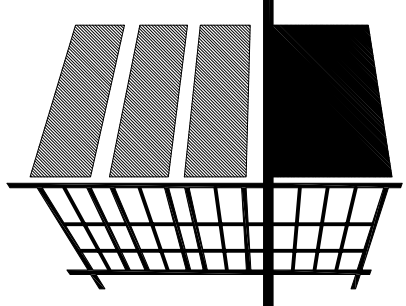


SCALE: N.T.S



SCALE: N.T.S

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THE PREMIER COLLECTION

151 EAST MAIN STREET
ELMSFORD, NY. 10523

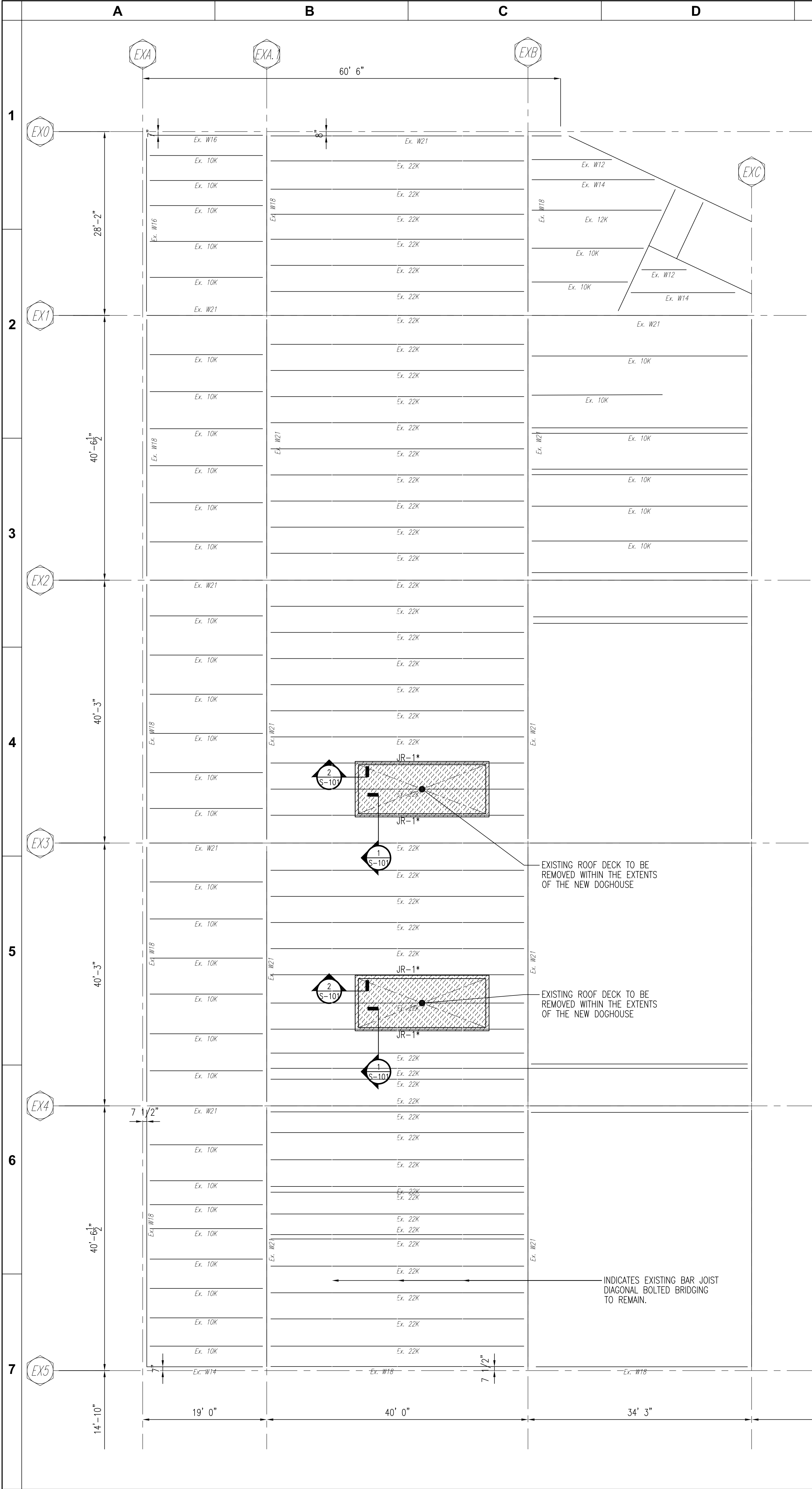
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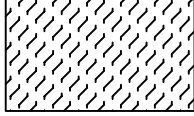
GENERAL STRUCTURAL NOTES

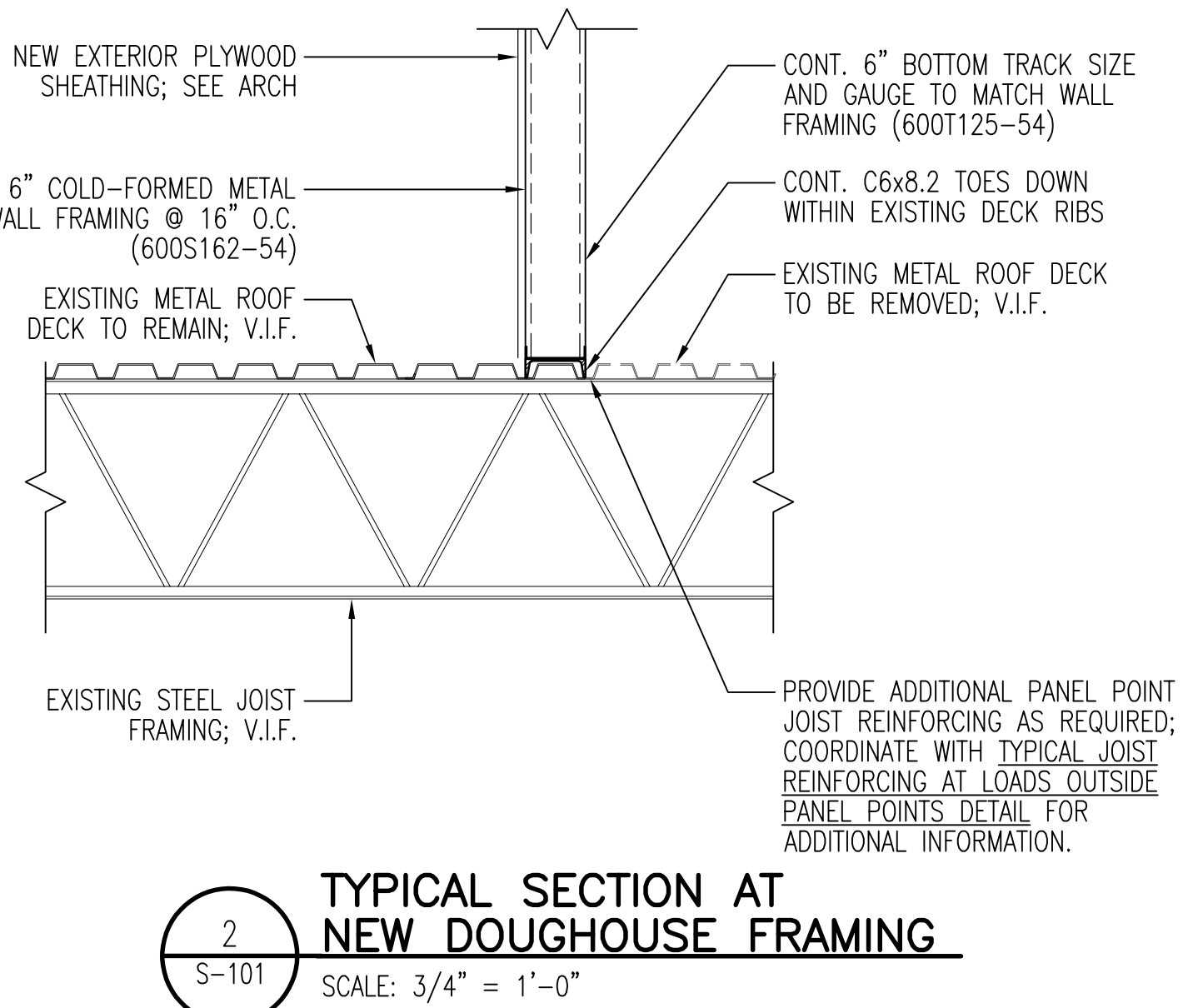
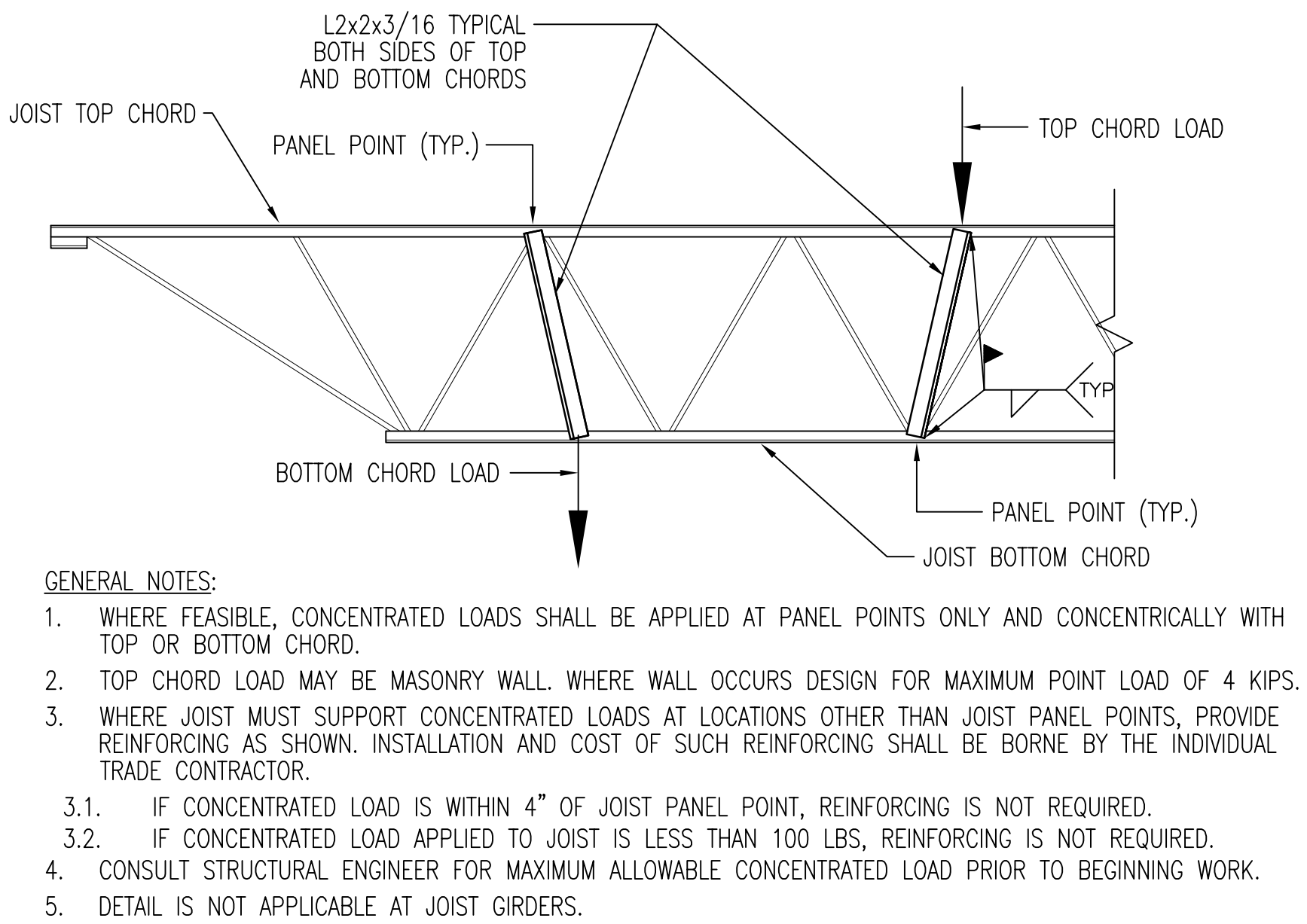
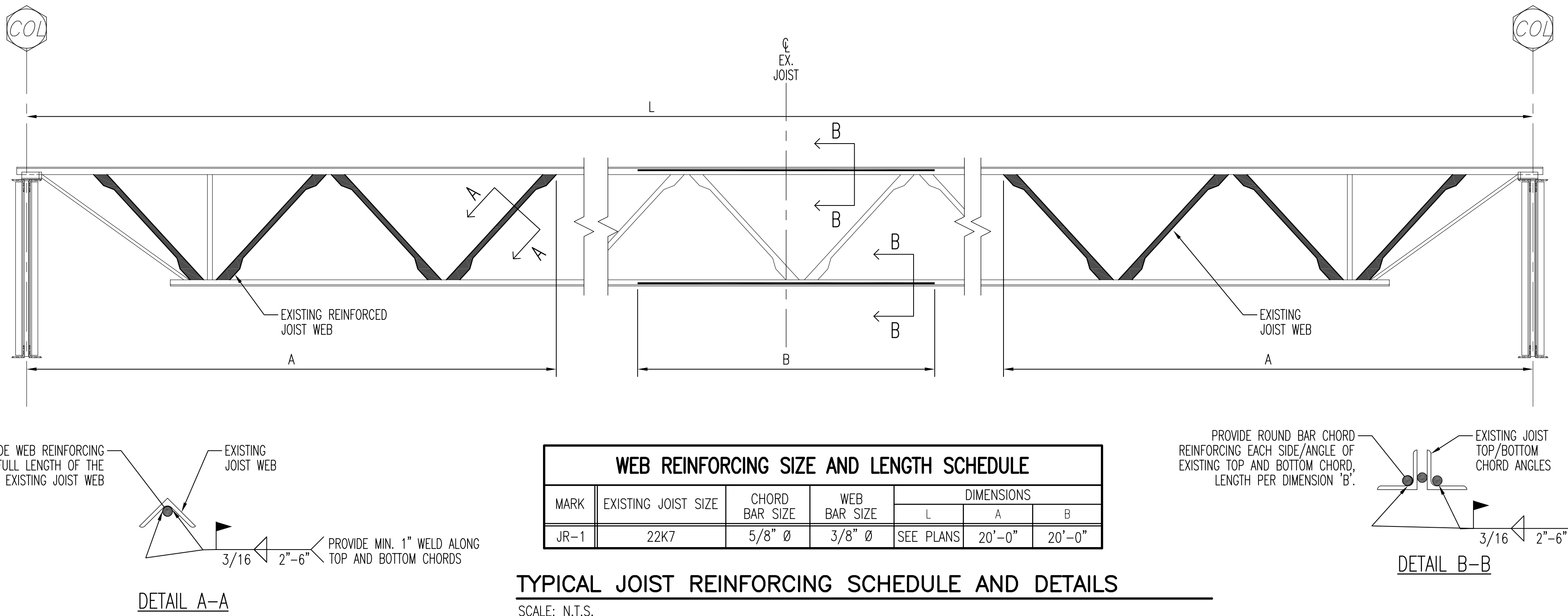
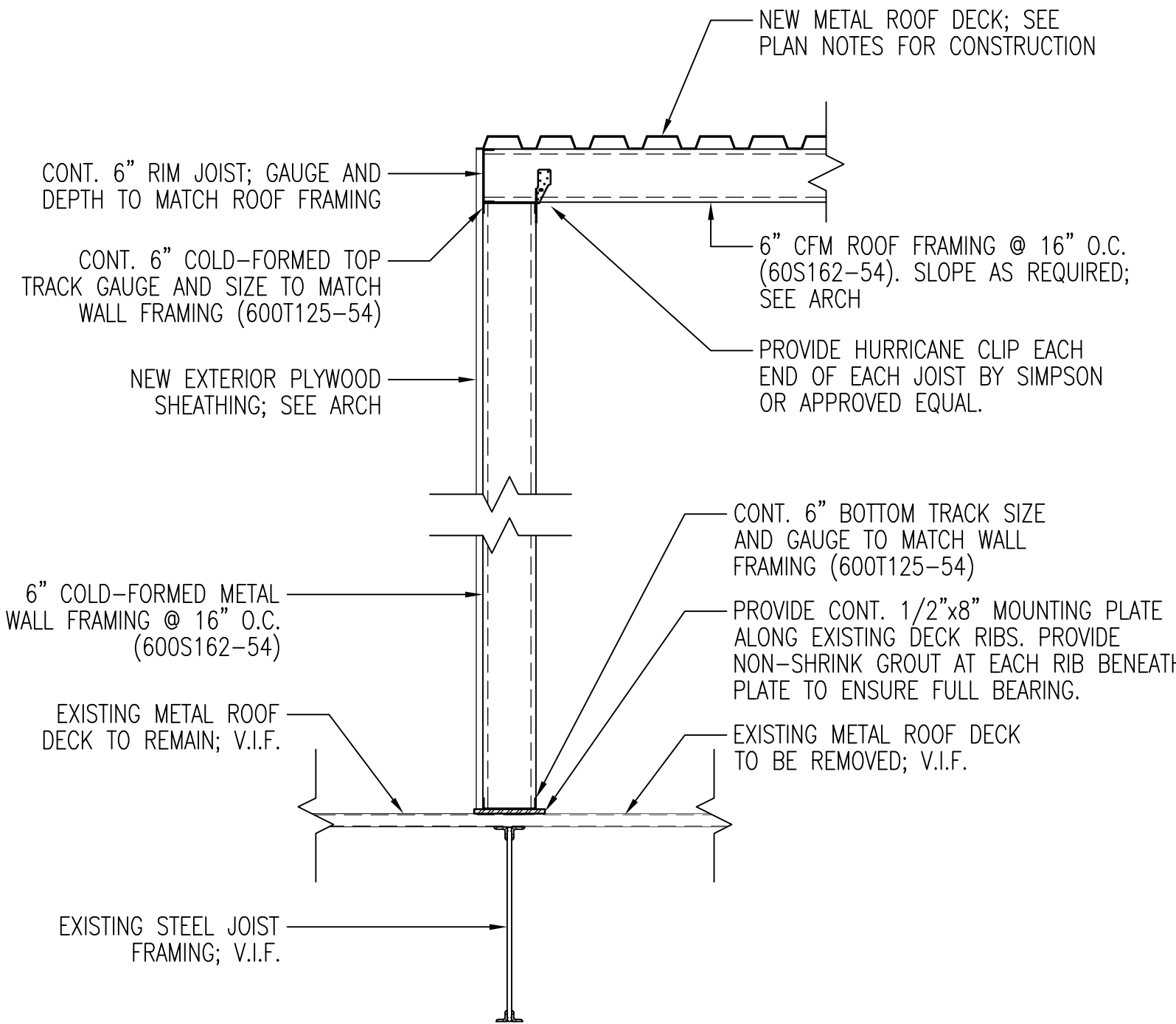
THE PREMIER
COLLECTION

Project Number	23-12
Date	06/07/23
Drawn By	JEG
Checked By	JK
Scale	As Noted

S-001



- PARTIAL EXISTING ROOF FRAMING PLAN – GENERAL NOTES**
- SCALE: 1/4" = 1'-0"
- ALL EXISTING DIMENSIONS, SIZES, AND ELEVATIONS SHOWN ARE BASED ON OWNER SUPPLIED DOCUMENTATION AND/OR LIMITED FIELD SURVEY. ALL INFORMATION SHOWN SHALL BE VERIFIED IN THE FIELD BY THE CONTRACTOR PRIOR TO THE START OF WORK; COORDINATE WITH THE EXISTING CONDITIONS GENERAL NOTES. ANY DISCREPANCIES SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER IMMEDIATELY.
 - COORDINATE ALL DIMENSIONS WITH THE ARCHITECTURAL PLANS AND THE SPECIFIC CONTROL PLAN AND/OR REFER TO THE ARCHITECTURAL DRAWINGS FOR ADDITIONAL DIMENSIONS NOT SHOWN ON THE STRUCTURAL DRAWINGS. NOTIFY THE ARCHITECT/ENGINEER OF ANY DIMENSIONAL DISCREPANCIES.
 - ALL NEW WALLS SHOWN SHALL BE CENTERED ON EXISTING ROOF JOISTS.
 -  INDICATES TYPICAL DOGHOUSE ROOF CONSTRUCTION: 1-1/2" – 20 GAUGE ROOF DECK – TYPE 1.5B BY VULCRAFT (OR APPROVED EQUAL) MAXIMUM UNSHORED SINGLE SPAN OF DECK IS 6'-5". ROOF DECK SHALL BEAR ON CFM FRAMING AS INDICATED IN SECTION 1/S-101.
 - * INDICATES EXISTING JOIST TO BE REINFORCED; COORDINATED WITH THE TYPICAL DETAILS AND JOIST REINFORCING ELEVATION FOR REQUIREMENTS.
 - CONTRACTOR SHALL PROVIDE ALL NECESSARY SHORING AND BRACING PER THE GENERAL SHORING AND BRACING NOTES ON DRAWING S-001.
 - ROOF DECK SUPPLIER SHALL PROVIDE ANGLE CLOSURE AROUND PERIMETER AND ALL AROUND ROOF OPENINGS UNLESS OTHERWISE NOTED; GAUGE AS REQUIRED (16 GAUGE MINIMUM).
 - DECK SUPPLIER SHALL PROVIDED A 12"x12"x20 GAUGE SEALER SHEER AROUND ALL PIPE PENETRATION 4"Ø OR LESS.



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THE PREMIER COLLECTION

251 EAST MAIN STREET
ELMSFORD, NY. 10523

No.	Description	Date

PARTIAL EXISTING ROOF FRAMING PLAN

THE PREMIER COLLECTION

Project Number 23-12
Date 06/07/23
Drawn By JEG
Checked By JK
Scale As Noted

S-101