

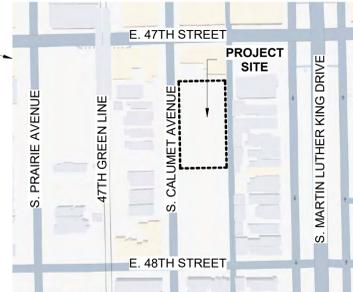
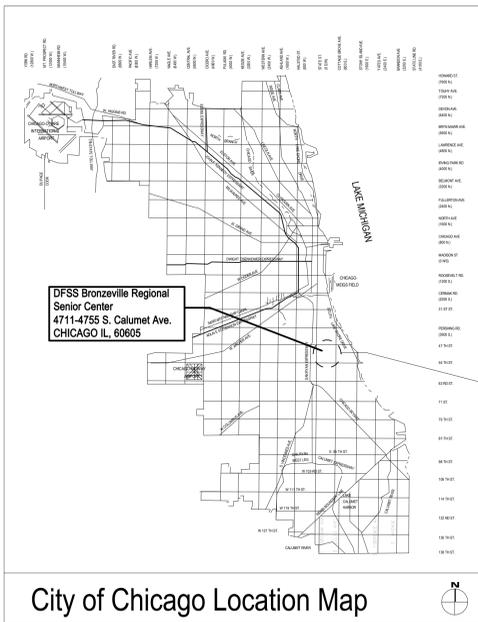
# DFSS BRONZEVILLE REGIONAL SENIOR CENTER

4711-4755 S. CALUMET AVENUE  
CHICAGO IL, 60605  
PBC PROJECT NUMBER 10030

**ISSUE FOR 100% SD**  
**08.15.25**



PUBLIC BUILDING COMMISSION OF CHICAGO  
BRANDON JOHNSON, MAYOR  
RAY GIDEROF, EXECUTIVE DIRECTOR



**DFSS BRONZEVILLE  
REGIONAL SENIOR CENTER**  
4711 - 4755 S. CALUMET AVE.  
CHICAGO IL, 60615  
PUBLIC BUILDING COMMISSION  
CITY OF CHICAGO, MAYOR BRANDON JOHNSON

**FOOD SERVICE CONSULTANT**

S20 Consultants  
530 N. Wood Street, #C  
Chicago, IL 60622  
847.309.1163

**LANDSCAPE ARCHITECT**

TGDA Landscape Architecture  
3233 W. Le Moyne Street, #1  
Chicago, IL 60651  
312.481.8432

**MEP/FP ENGINEER**

Milhouse Engineering  
333 S. Wabash Avenue, Suite 2901  
Chicago, IL 60604  
312.987.0061

**CIVIL ENGINEER**

Milhouse Engineering  
333 S. Wabash Avenue, Suite 2901  
Chicago, IL 60604  
312.987.0061

**STRUCTURAL ENGINEER**

Milhouse Engineering  
333 S. Wabash Avenue, Suite 2901  
Chicago, IL 60604  
312.987.0061

**DESIGN ARCHITECT**

RADA Architects, LTD  
233 N. Michigan Avenue, #1900  
Chicago, IL 60601  
312.856.1970



DESIGN ARCHITECT:



ADDRESS: 233 N. MICHIGAN AVE, #1900  
CHICAGO, ILLINOIS 60601  
PHONE: 312.856.1970  
FAX: 312.856.1978  
WEB: WWW.RADA-ARCH.COM

ARCHITECT OF RECORD:

**MEP/FP ENGINEER**  
Milhouse Engineering  
333 S. Wabash Avenue, Suite 2901  
Chicago, IL 60604

**STRUCTURAL ENGINEER**  
Milhouse Engineering  
333 S. Wabash Avenue, Suite 2901  
Chicago, IL 60604

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Milhouse Engineering  
333 S. Wabash Avenue, Suite 2901  
Chicago, IL 60604

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TGDA Landscape Architecture  
3233 W. Le Moyne Street, #1  
Chicago, IL 60651

**FOOD SERVICE CONSULTANT**  
S20 Consultants  
530 N. Wood Street, #C  
Chicago, IL 60622

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MARK	DESCRIPTION	DATE
1	100% SD	08/15/25

PBC Project Name: DFSS BRONZEVILLE REGIONAL SENIOR CENTER  
PBC Contract No: 10030  
Project No: H-93  
Title

**TITLE SHEET AND INDEX OF DRAWINGS**

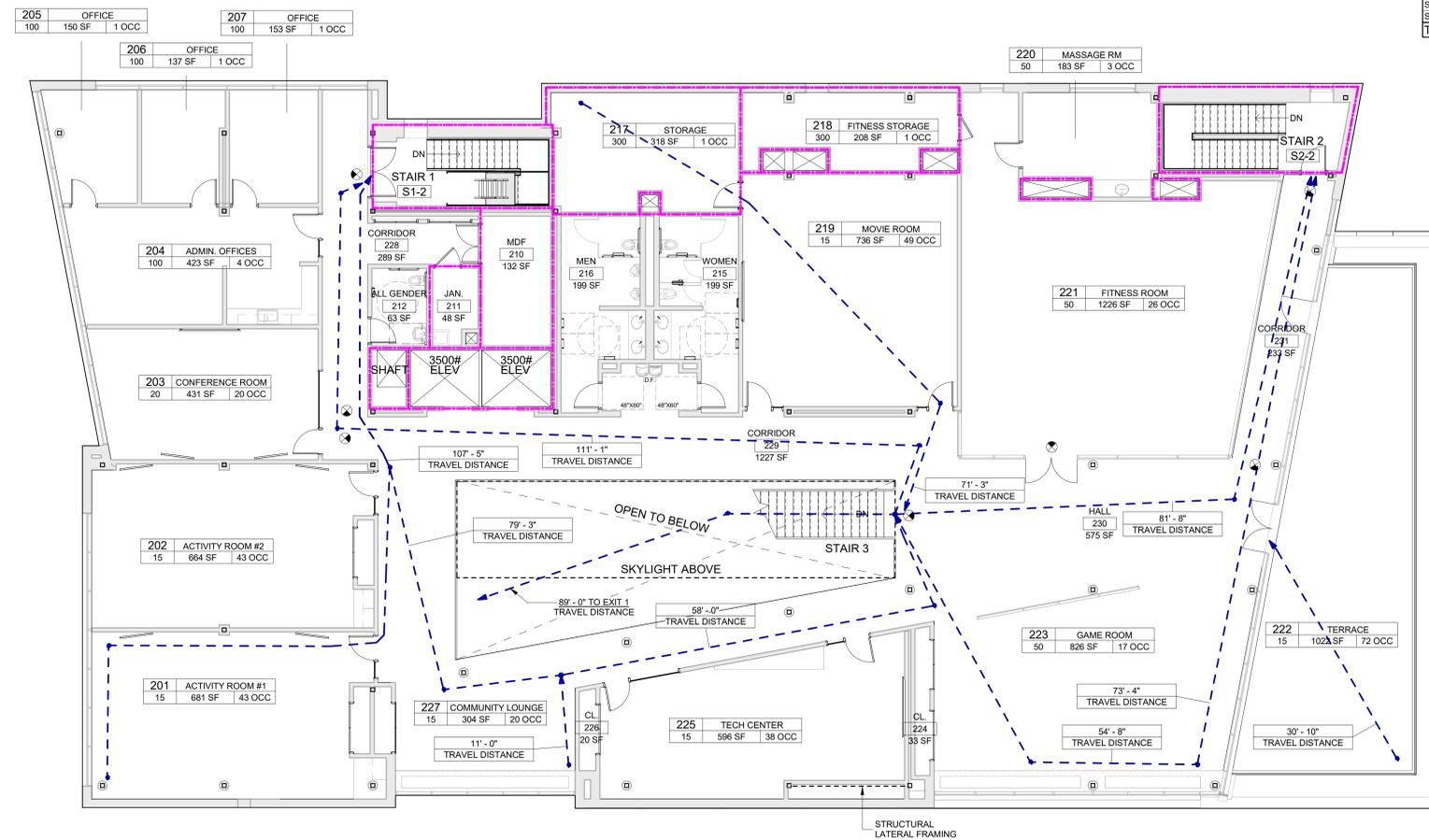
Sheet  
**G-001**



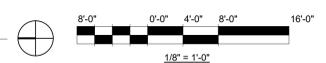


**OCCUPANCY CLASSIFICATION: A-3 COMMUNITY HALL**

OCCUPANCY CONTENT						
Number	Name	Area	Occ.	Occ. Load Factor	Occ. Load	Primary Exit
<b>SECOND FLOOR</b>						
201	ACTIVITY ROOM #1	681 SF	15	NET	43	3
202	ACTIVITY ROOM #2	664 SF	15	NET	43	3
203	CONFERENCE ROOM	431 SF	20	NET	20	3
204	ADMIN. OFFICES	423 SF	100	NET	4	3
205	OFFICE	150 SF	100	NET	1	3
206	OFFICE	137 SF	100	NET	1	3
207	OFFICE	153 SF	100	NET	1	3
210	MDF	132 SF	300	GROSS	1	3
211	JAN.	48 SF	300	GROSS	1	3
212	ALL GENDER	63 SF				3
215	WOMEN	199 SF				1
216	MEN	199 SF				1
217	STORAGE	318 SF	300	GROSS	1	1
218	FITNESS STORAGE	208 SF	300	GROSS	1	1
219	MOVIE ROOM	736 SF	15	NET	49	1
220	MESSAGE RM	183 SF	50	NET	3	1
221	FITNESS ROOM	1226 SF	50	GROSS	26	1
222	TERRACE	1022 SF	15	NET	72	5
223	GAME ROOM	826 SF	50	NET	17	1
225	TECH CENTER	596 SF	15	NET	38	1
227	COMMUNITY LOUNGE	304 SF	15	NET	20	1
250	HALL	575 SF				1
S1-1	STAIR 1	178 SF				3
S1-2	STAIR 1	178 SF				3
S2-1	STAIR 2	184 SF				5
S2-2	STAIR 2	184 SF				5
<b>TOTAL:</b>		<b>10,021 SF</b>				<b>342 PEOPLE</b>



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



**LIFE SAFETY LEGEND**

- PATH OF TRAVEL
- REMOTE POINT DISTANCE
- EXIT SIGN

**MAXIMUM TRAVEL DISTANCE**

IBC 2018 TABLE 1017.2

CLASS B	250 FEET W/ SPRINKLER SYSTEM
CLASS S-1	250 FEET W/ SPRINKLER SYSTEM
CLASS S-2	400 FEET W/ SPRINKLER SYSTEM

NFPA 101 CHAPTERS 38 & 42

CLASS B	300 FEET W/ SPRINKLER SYSTEM
CLASS S-1	400 FEET W/ SPRINKLER SYSTEM
CLASS S-2	400 FEET W/ SPRINKLER SYSTEM

PROVIDED

MAXIMUM TRAVEL DISTANCE PROVIDED: 162'-8" (W/ SPRINKLER SYSTEM)

**EXITING CAPACITY (STAIRS/DOORS)**

CHICAGO CONSTRUCTION CODE 2019 1005.3.2

EXIT NO.	WIDTH (IN)	EGRESS CAP. FACTOR	STAIR EXIT CAPACITY	DOOR EXIT CAPACITY	ACTUAL LOAD
STAIR 1	44	0.2 STAIR	220	480	109
STAIR 2	44		220	240	113
STAIR 3	68	0.15 DOORS	340	-	118
<b>TOTAL</b>					<b>340</b>

**FIRE RATINGS LEGEND**

- 1 HOUR FIRE RATING
- 2 HOUR FIRE RATING

**LEGEND**

ROOM NUMBER	101	ROOM NAME	
N/G	150 SF	##/## OCC.	
LOAD FACTOR (SF/OCC)		ROOM SF	OCCUPANCY LOAD
N/NET			
G/GROSS			

- MEP/FP ENGINEER  
Milhouse Engineering  
333 S. Wabash Avenue, Suite 2901  
Chicago, IL 60604
- STRUCTURAL ENGINEER  
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Chicago, IL 60604
- CIVIL ENGINEER  
Milhouse Engineering  
333 S. Wabash Avenue, Suite 2901  
Chicago, IL 60604
- LANDSCAPE ARCHITECT  
TGDA Landscape Architecture  
3233 W. Le Moine Street, #1  
Chicago, IL 60651
- FOOD SERVICE CONSULTANT  
S20 Consultants  
530 N. Wood Street, #C  
Chicago, IL 60622

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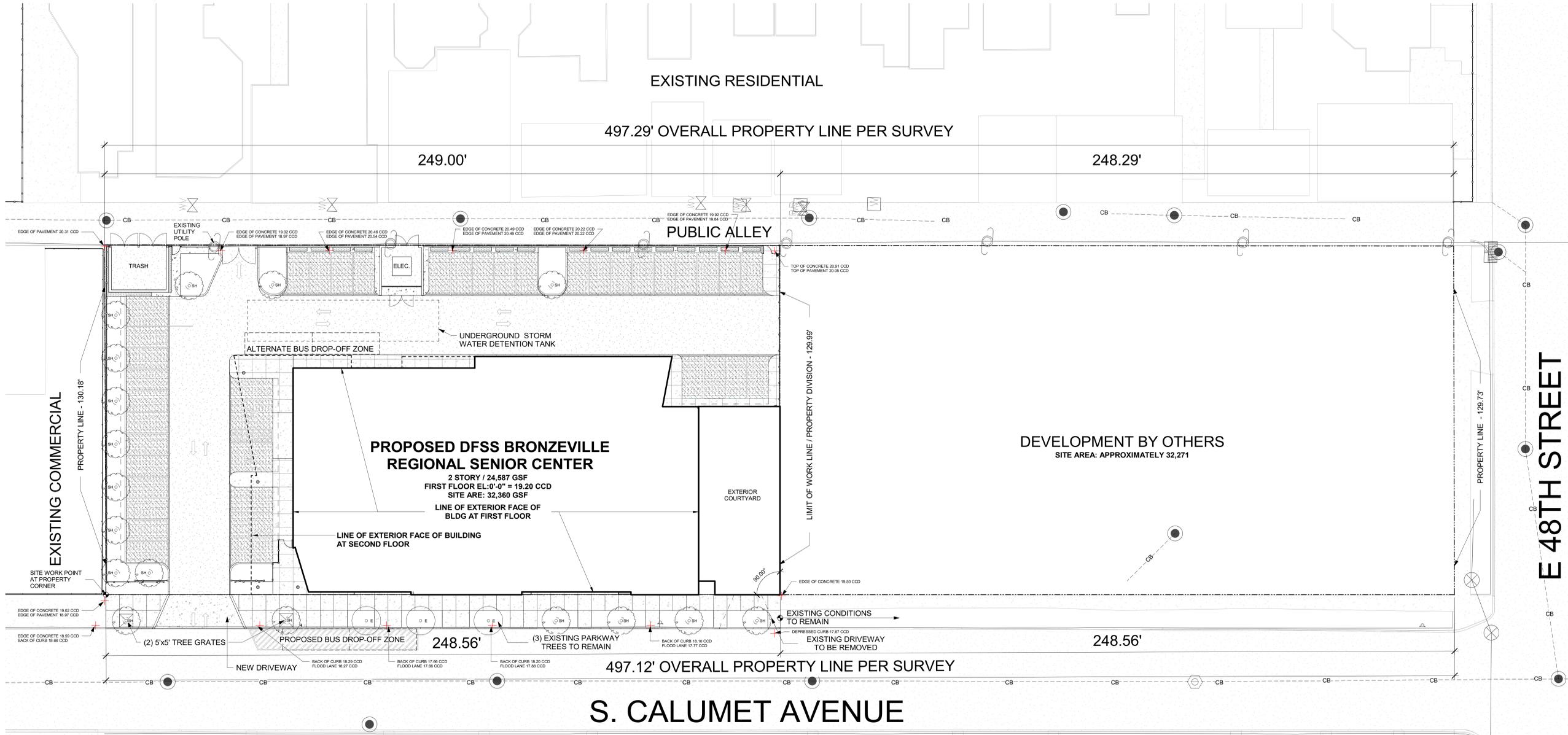
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Title

**CODE COMPLIANCE - SECOND FLOOR PLAN**



SITE PLAN LEGEND			
---	PROPERTY LINE (PL)	□	CATCH BASIN
- - - CB - - -	COMBINATION SEWER LINE	▨	INLET
W	WATER METER	⊙	SANITARY MANHOLE
E	ELECTRIC MANHOLE	⊙	SANITARY MANHOLE
⊗	VALVE VAULT	●	EXISTING MANHOLE
WV	WATER VALVE	⊙	POWER POLE
⊕	FIRE HYDRANT	⊙	LIGHT POLE



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1 SITE DIVISION PLAN  
 SCALE: 1/16" = 1'-0"



SEE DRAWING A-101 FOR ADDITIONAL DETAILED SITE INFORMATION

4711 - 4755 S. CALUMET AVENUE, CHICAGO IL.



3 NORTH / EAST FACADE FROM PUBLIC ALLEY  
SCALE:



2 WEST FACADE FROM CALUMET AVENUE  
SCALE:



1 EAST FACADE VIEW FROM PARKING LOT  
SCALE:

DESIGN ARCHITECT:



ADDRESS: 233 N. MICHIGAN AVE, #1900  
CHICAGO, ILLINOIS 60601  
PHONE: 312.856.1970  
FAX: 312.856.1978  
WEB: WWW.RADA-ARCH.COM

ARCHITECT OF RECORD:

**MEP/FP ENGINEER**  
Milhouse Engineering  
333 S. Wabash Avenue, Suite 2901  
Chicago, IL 60604

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Chicago, IL 60604

**LANDSCAPE ARCHITECT**  
TGDA Landscape Architecture  
3233 W. Le Moine Street, #1  
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Title

**EXTERIOR VIEWS**

Sheet



**DFSS BRONZVILLE REGIONAL SENIOR CENTER**

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CHICAGO IL, 60615

PUBLIC BUILDING COMMISSION  
CITY OF CHICAGO, MAYOR BRANDON JOHNSON

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CHICAGO, ILLINOIS 60601  
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Chicago, IL 60604

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3233 W. Le Moynes Street, #1  
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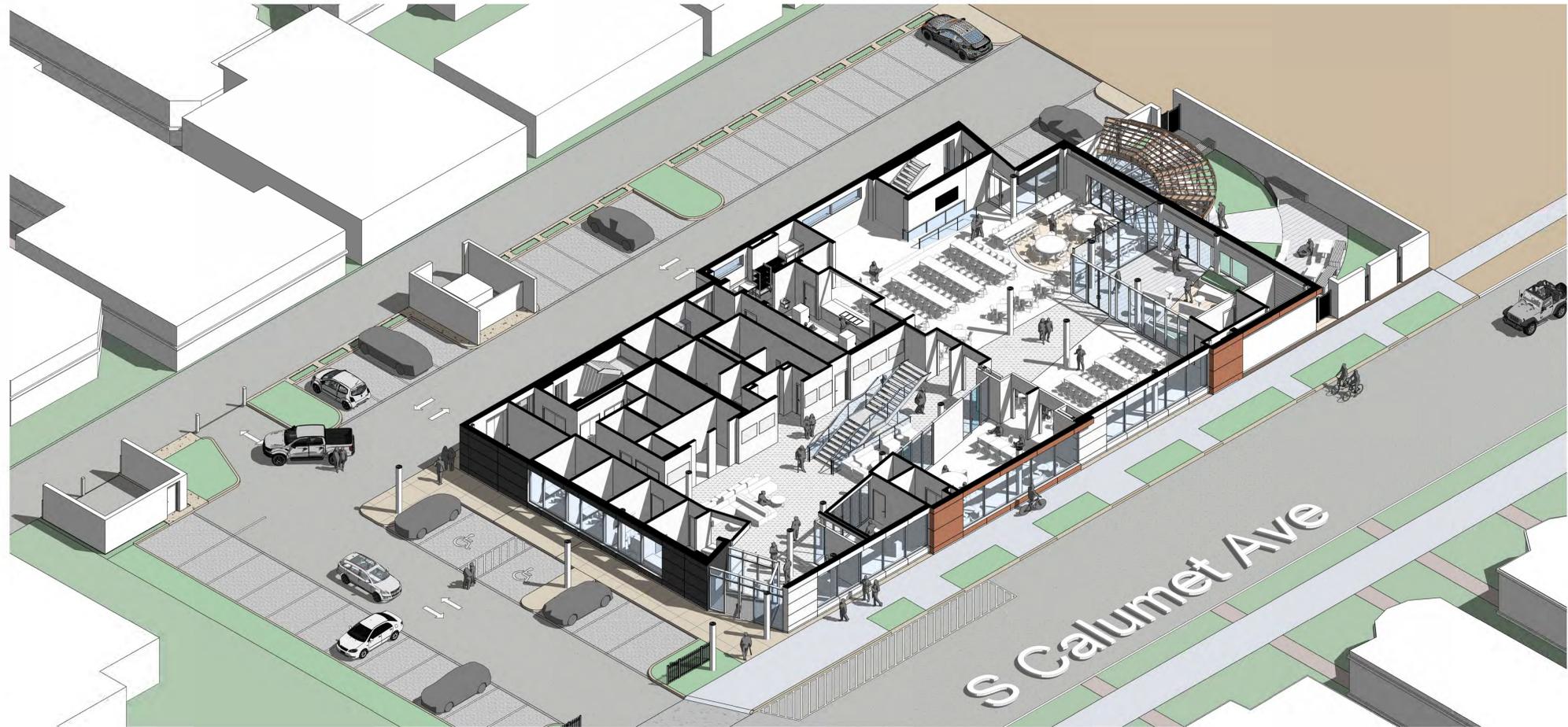
**COURTYARD / TERRACE VIEWS**

Sheet

**DR-2**



2 SECOND FLOOR AXON VIEW  
SCALE:



1 FIRST FLOOR AXON VIEW  
SCALE:

**DFSS BRONZEVILLE REGIONAL SENIOR CENTER**

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CITY OF CHICAGO, MAYOR BRANDON JOHNSON

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CHICAGO, ILLINOIS 60601  
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FAX: 312.856.1978  
WEB: WWW.RADA-ARCH.COM

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Milhouse Engineering  
333 S. Wabash Avenue, Suite 2901  
Chicago, IL 60604

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333 S. Wabash Avenue, Suite 2901  
Chicago, IL 60604

**CIVIL ENGINEER**  
Milhouse Engineering  
333 S. Wabash Avenue, Suite 2901  
Chicago, IL 60604

**LANDSCAPE ARCHITECT**  
TGDA Landscape Architecture  
3233 W. Le Moine Street, #1  
Chicago, IL 60651

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S20 Consultants  
520 N. Wood Street, #C  
Chicago, IL 60622

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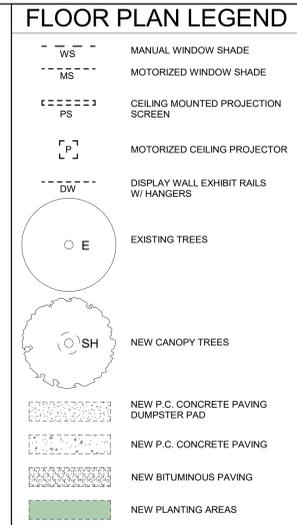
**AXON VIEWS**

Sheet

**DR-3**

ZONING / LANDSCAPE CODE ANALYSIS					
ISSUE / CODE REQUIREMENT	CODE SECTION	UNIT / QTY	REQUIRED / CALCULATION	ACTUAL / PROVIDED	NOTES
BICYCLE PARKING REQUIREMENTS	17-10-0207-A		1 PER 10 AUTO SPACES / 2' W X 6' D X 7' H	4	
OFF-STREET PARKING SCHEDULE	17-10-0207-E				
LANDSCAPE ORNANCE					
SCHEDULE OF MINIMUM REQUIREMENTS - CIVIC USE GROUP	17-10-1101		0 - 24,999 GROSS FLOOR AREA NONE REQUIRED 25,000 - 199,999 G.F.A. 1 REQUIRED	1	AS THE BUILDING IS CIVIC USE AND LESS THAN 25,000 GSF, A LOADING BERTH IS TECHNICALLY NOT REQUIRED. THIS NEEDS TO BE REVIEWED WITH CLIENT/USER.
PARKWAY PLANTING - (1 TREE PER 25' OF FRONTAGE)	17-11-0100		EXISTING TO REMAIN	EXISTING TO REPLACE	ADDITIONAL NEW PROVIDED
S. CALUMET R.O.W. FRONTAGE LENGTH (10' WIDE SIDEWALK) / TREES	17-11-0103-A	255.00	10	3	0
TOTAL NUMBER OF TREES REQUIRED			10		
TOTAL NUMBER OF PARKWAY TREES PROVIDED			9	3	0
PARKING LOT AND VEHICULAR USE AREA SCREENING	17-11-0200				
PERIMETER LANDSCAPE AREA		61.00			
PARKING LOT STREET FRONTAGE (L.F.)		39.00			
STREET FRONTAGE (L.F.) LANDSCAPE AREA PROVIDED					
PERIMETER LANDSCAPE AREA		39.00			
CONTINUOUS SCREENING HEDGE					
NUMBER OF TREES REQUIRED - 1 PER 25' L.F. OF FRONTAGE	17-11-0203-A	61.00	24" H SHRUBS SPACED 30" O.C. MAX.	0	0
INTERNAL PLANTING					
PARKING LOT VEHICULAR USE AREA (B.F.)		13259.00			
INTERNAL PLANTING AREA (B.F.) 7.7% OF VEHICULAR USE AREA			13259 x 0.077 = 1020 SF REQUIRED	1171	
REQUIRED TREES: 1 PER 125 S.F. OF REQUIRED INTERNAL LANDSCAPE AREA			1171 / 125 = 9.36 REQUIRED	9	
FENCING	17-11-0203-C				
PARKING LOT STREET FRONTAGE		61.00	4' H ORNAMENTAL METAL FENCE	4	
PARKING LOT TO ADJACENT RESIDENTIAL PROPERTY			6' H WOOD OR MASONRY FENCE	NA	
TRASH AND ELEC. TRANSFORMER ENCLOSURE / SCREENING	17-11-0300		4' H MASONRY WALL ENCLOSED WITH CRAGLE GATES. WALL PERIMETER TO BE PLANTED WITH VINES		
			6 FT HIGH MASONRY ENCLOSURE WALLS WITH OPAQUE METAL GATES		

ZONING / LANDSCAPE CODE ANALYSIS					
ISSUE / CODE REQUIREMENT	CODE SECTION	UNIT / QTY	REQUIRED / CALCULATION	ACTUAL / PROVIDED	NOTES
TOTAL SITE AREA				32,360	
1ST FLOOR BUILDING COVERAGE (BSF)				12,533	
2ND FLOOR BUILDING COVERAGE (BSF)				12,756	
TOTAL BUILDING FLOOR AREA (BSF)				24,587	
VEHICULAR USE AREA				13,259	
ASPHALT PAVING				12,000	
CONCRETE PAVING - CURBS + PADS				3,300	
EXTERNAL COURTYARD				2,100	
TOTAL LANDSCAPE AREA EXCLUDING COURTYARD				1,641	
TOTAL SITE IMPROVEMENTS AREA				29,018	
TOTAL SITE LANDSCAPE AREA				2,341	
AUTOMOBILE PARKING REQUIREMENTS					
REQUIRED PARKING - 1 PER 3.0 TIME EMPLOYEES	17-10-0207-E	6	1 EMPLOYEE = 3 SPACES REQUIRED	39	TOTAL COUNT INCLUDES 3 ACCESSIBLE SPACES
ACCESSIBLE PARKING - NON-RESIDENTIAL OCCUPANCY	17-10-0900-A		1 REQUIRED ACCESSIBLE SPACES - 1 PER FIRST 25 SPACES - 1 FOR EVERY 25 SPACES THEREAFTER	2	ABLE MAY BE REDUCED TO 20'-0" IF STALL WIDTH IS INCREASED TO 9'-6"
PARKING STALL DIMENSIONS - 90 DEGREE	17-10-1001		9'-0" x 16'-0" 22'-0" ASBL		



**PUBLIC BUILDING COMMISSION** of Chicago

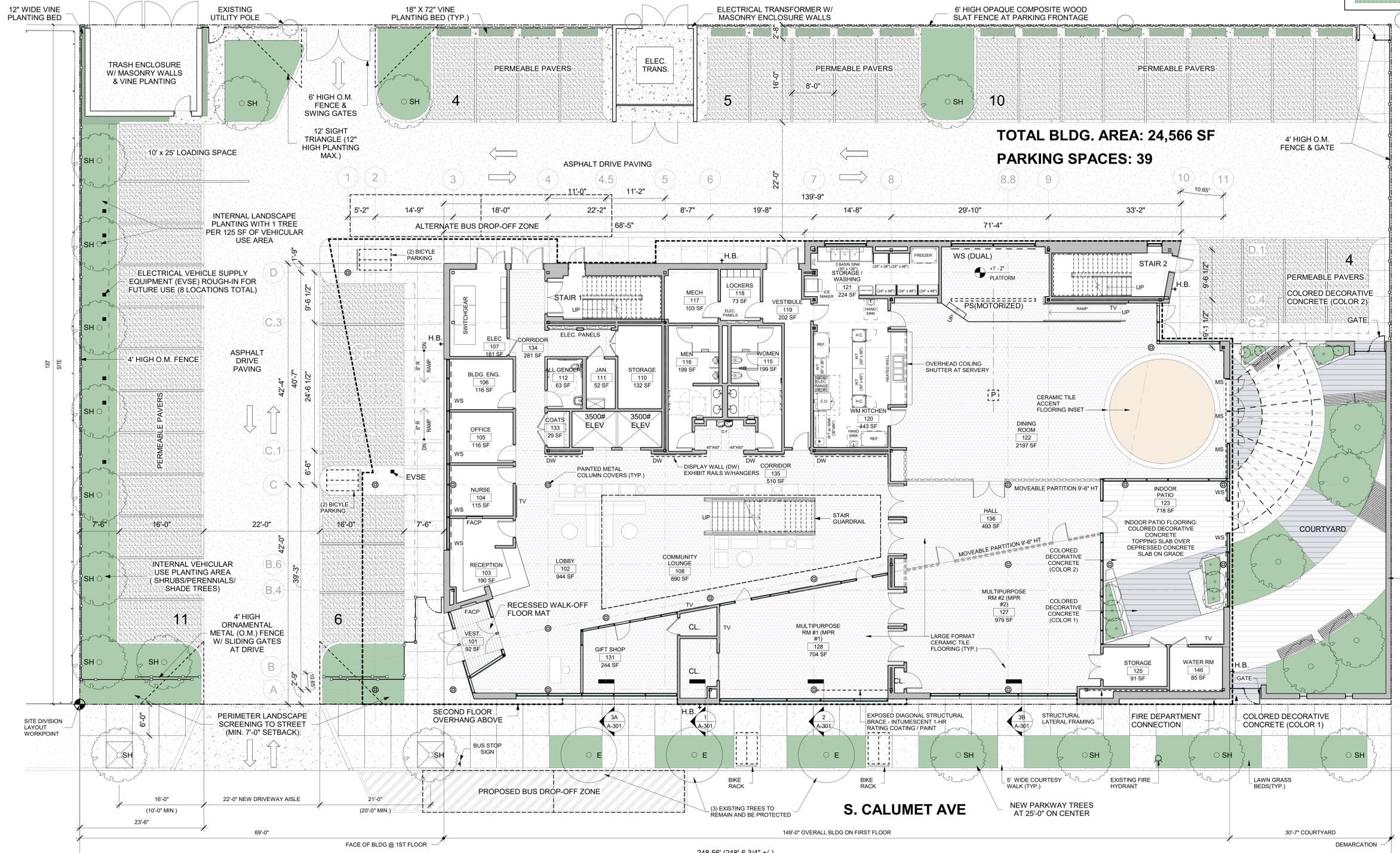
**DFSS**  
Department of Family and Support Services

**DFSS BRONZEVILLE REGIONAL SENIOR CENTER**

4711 - 4755 S. CALUMET AVE.  
CHICAGO, IL, 60615

PUBLIC BUILDING COMMISSION  
CITY OF CHICAGO, MAYOR BRANDON JOHNSON

### PUBLIC ALLEY



**TOTAL BLDG. AREA: 24,566 SF**  
**PARKING SPACES: 39**

DESIGN ARCHITECT:

**RADA ARCHITECTS**

ADDRESS: 233 N. MICHIGAN AVE. #1900  
CHICAGO, ILLINOIS 60601  
PHONE: 312.656.1970  
FAX: 312.656.1978  
WEB: WWW.RADA-ARCH.COM

ARCHITECT OF RECORD:

**MEP/FP ENGINEER**  
Milhouse Engineering  
333 S. Wabash Avenue, Suite 2901  
Chicago, IL 60604

**STRUCTURAL ENGINEER**  
Milhouse Engineering  
333 S. Wabash Avenue, Suite 2901  
Chicago, IL 60604

**CIVIL ENGINEER**  
Milhouse Engineering  
333 S. Wabash Avenue, Suite 2901  
Chicago, IL 60604

**LANDSCAPE ARCHITECT**  
TGDA Landscape Architecture  
3233 W. Le Moyn Street, #1  
Chicago, IL 60651

**FOOD SERVICE CONSULTANT**  
S20 Consultants  
520 N. Wood Street, #C  
Chicago, IL 60622

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PBC Project Name: DFSS BRONZEVILLE REGIONAL SENIOR CENTER

PBC Contract No: 10030  
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Title: **FIRST FLOOR PLAN W/ SITE**

Sheet **A-101**

1 FIRST FLOOR PLAN W/ SITE (12,533 GSF)  
SCALE: 1/8" = 1'-0"

FIRST FLOOR FINISHED FLOOR EL: 0'-0" = 19.20 CCD

8'-0" 0'-0" 4'-0" 8'-0" 16'-0"  
1/8" = 1'-0"

DESIGN ARCHITECT:



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CHICAGO, ILLINOIS 60601  
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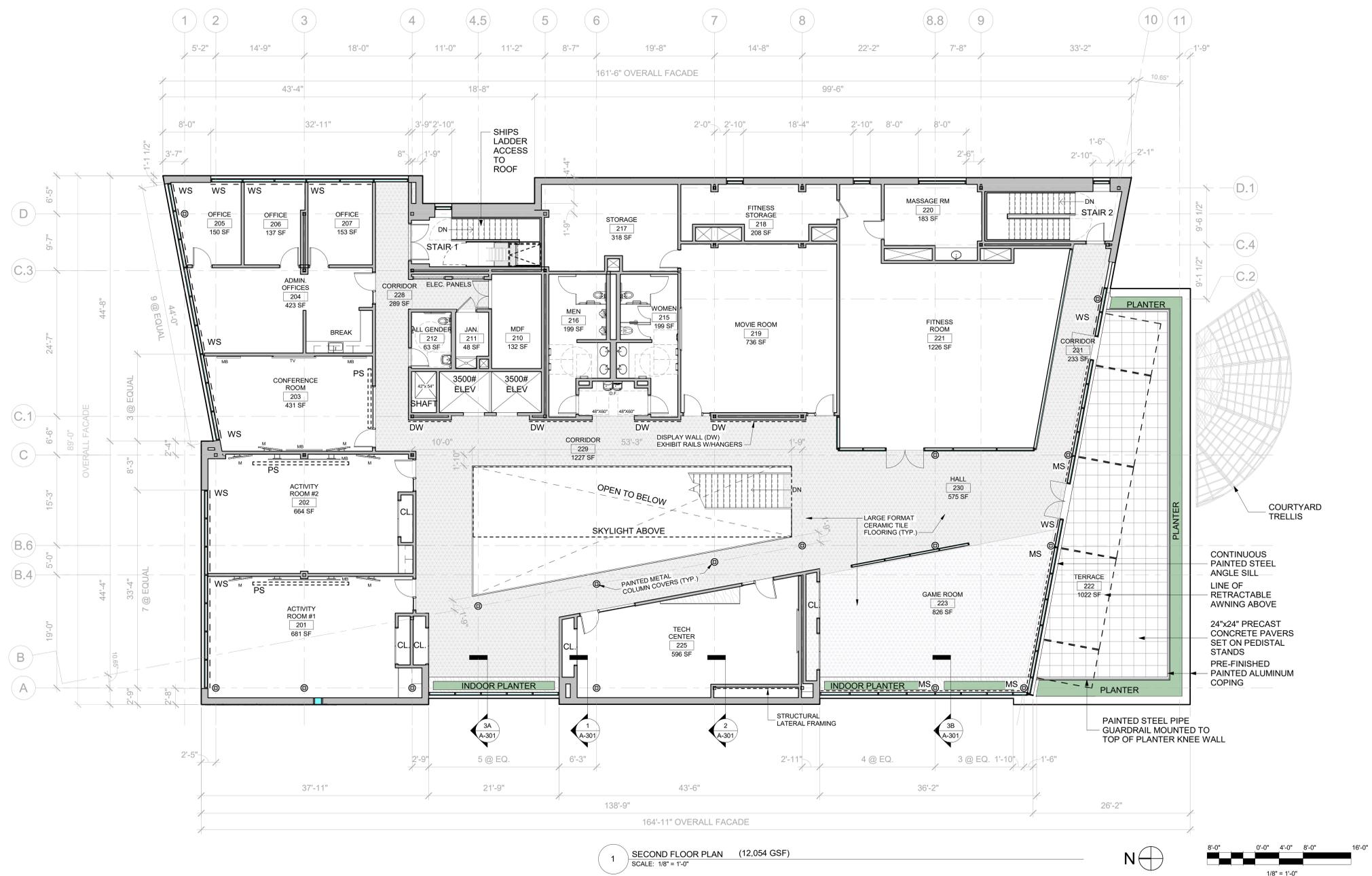
**MEP/FP ENGINEER**  
Milhouse Engineering  
333 S. Wabash Avenue, Suite 2901  
Chicago, IL 60604

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333 S. Wabash Avenue, Suite 2901  
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**CIVIL ENGINEER**  
Milhouse Engineering  
333 S. Wabash Avenue, Suite 2901  
Chicago, IL 60604

**LANDSCAPE ARCHITECT**  
TGDA Landscape Architecture  
3233 W. Le Moine Street, #1  
Chicago, IL 60651

**FOOD SERVICE CONSULTANT**  
S20 Consultants  
520 N. Wood Street, #C  
Chicago, IL 60622



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PBC Contract No: 10030  
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Title  
**SECOND FLOOR PLAN**

Issuance

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PBC Project Name: DFSS BRONZEVILLE REGIONAL SENIOR CENTER  
PBC Contract No: 10030  
Project No: H-93  
Title

**ROOF PLAN**

Sheet  
**A-111**

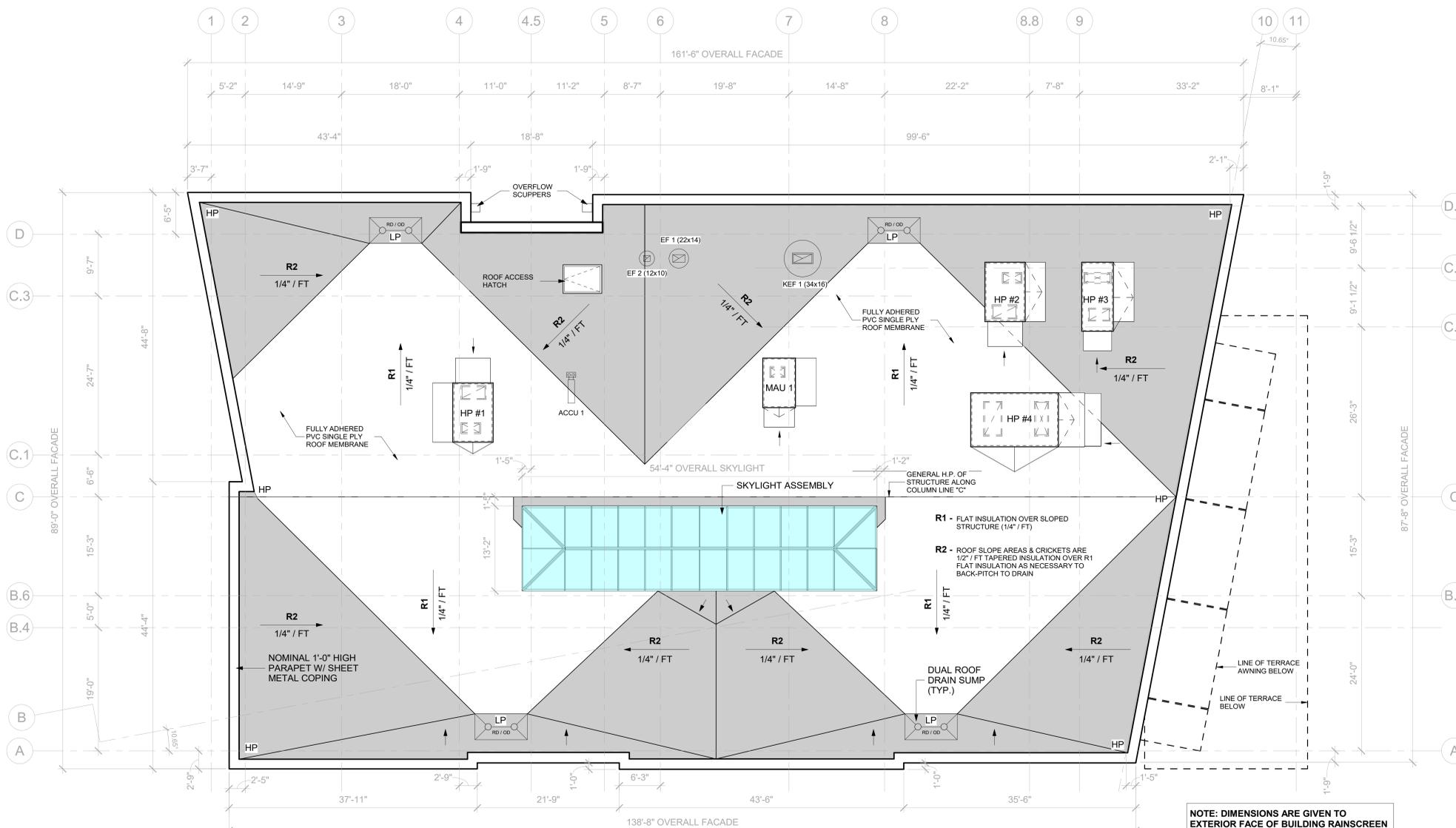
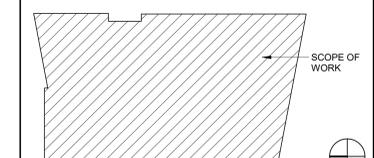
**GENERAL ROOF NOTES**

- ALL INSULATION JOINTS, HORIZONTAL AND VERTICAL, ARE TO BE STAGGERED.
- ALL INSULATION JOINTS GREATER THAN 1/4" ARE TO BE FILLED W/ INSULATION STRIPS.
- ALL ROOF PENETRATIONS, INCLUDING VENT STACKS, ROOF CURBS, AND PIPE SUPPORT CURBS ARE TO BE A MINIMUM OF 14" ABOVE THE ROOF MEMBRANE SURFACE.
- FIELD VERIFY ALL CONDITIONS PRIOR TO SUBMITTING SHOP DRAWINGS INCLUDING TAPERED INSULATION DRAWINGS W/ ALL DRAIN LOCATIONS.
- ALL COUNTERFLASHING, COPING, AND MISC. METAL FLASHING PIECES ARE TO HAVE SEALANT APPLIED AT THEIR END CONDITIONS.
- ALL EXPOSED FASTENERS TO BE CORROSION RESISTIVE, HAVE NEOPRENE WASHERS, AND BE COVERED W/ SEALANT FOLLOWING ARCHITECT'S APPROVAL.
- APPLY MEMBRANE MANUFACTURER'S SEALANT OVER FASTENER HEADS AT BASE FLASHING SECUREMENT.
- DRAINS TO BE FLASHED AS PER MANUFACTURER'S SPECIFICATIONS.
- PROVIDE COUNTERFLASHING FOR ALL VERTICAL FLANGES ON ENDWALL FLASHING PIECES.
- WHEN CONDITIONS REQUIRE END WALL FLASHING TO BE INSTALLED, COORDINATE INSTALLATION SO THAT END WALL FLASHING AND COUNTERFLASHING COVERING IT ARE NOT DOUBLE FASTENED - ONLY ONE FASTENER IS REQUIRED TO SECURE BOTH PIECES.
- SCREW FASTENERS FOR INSULATION ARE TO BE INSTALLED THROUGH TOP FLUTES OF METAL DECK ONLY.
- ALL WOOD BLOCKING TO BE PRESSURE TREATED. ALL CONNECTIONS MITERED AND SCREWED, UNLESS NOTED OTHERWISE.
- ALL COPING JOINTS TO ALIGN WITH CENTER OF METAL PANEL JOINTS AND MULLIONS, UNLESS NOTED OTHERWISE.
- REFER TO "ROOF PLAN LEGEND" ON SHEET G-201.

**ROOF PLAN LEGEND**

- AREA OF SLOPED STRUCTURE
- AREA OF SLOPED INSULATION
- ROOF DRAIN SUMP WITH OVERFLOW DRAIN
- FLUE
- VENT PIPE ROOF PENETRATION - REFER TO PLUMBING DWGS
- DOWNSPOUT NOZZLE
- DOWNSPOUT
- TAPERED INSULATION
- AREA OF CONCRETE FILLED METAL DECK
- EXHAUST FAN
- AC CONDENSER UNIT

**KEY PLAN**



NOTE: DIMENSIONS ARE GIVEN TO EXTERIOR FACE OF BUILDING OVERSHANG PANEL FACE, NOT TO COPING OVERHANG

1 ROOF PLAN (12,307 GSF)  
SCALE: 1/8" = 1'-0"



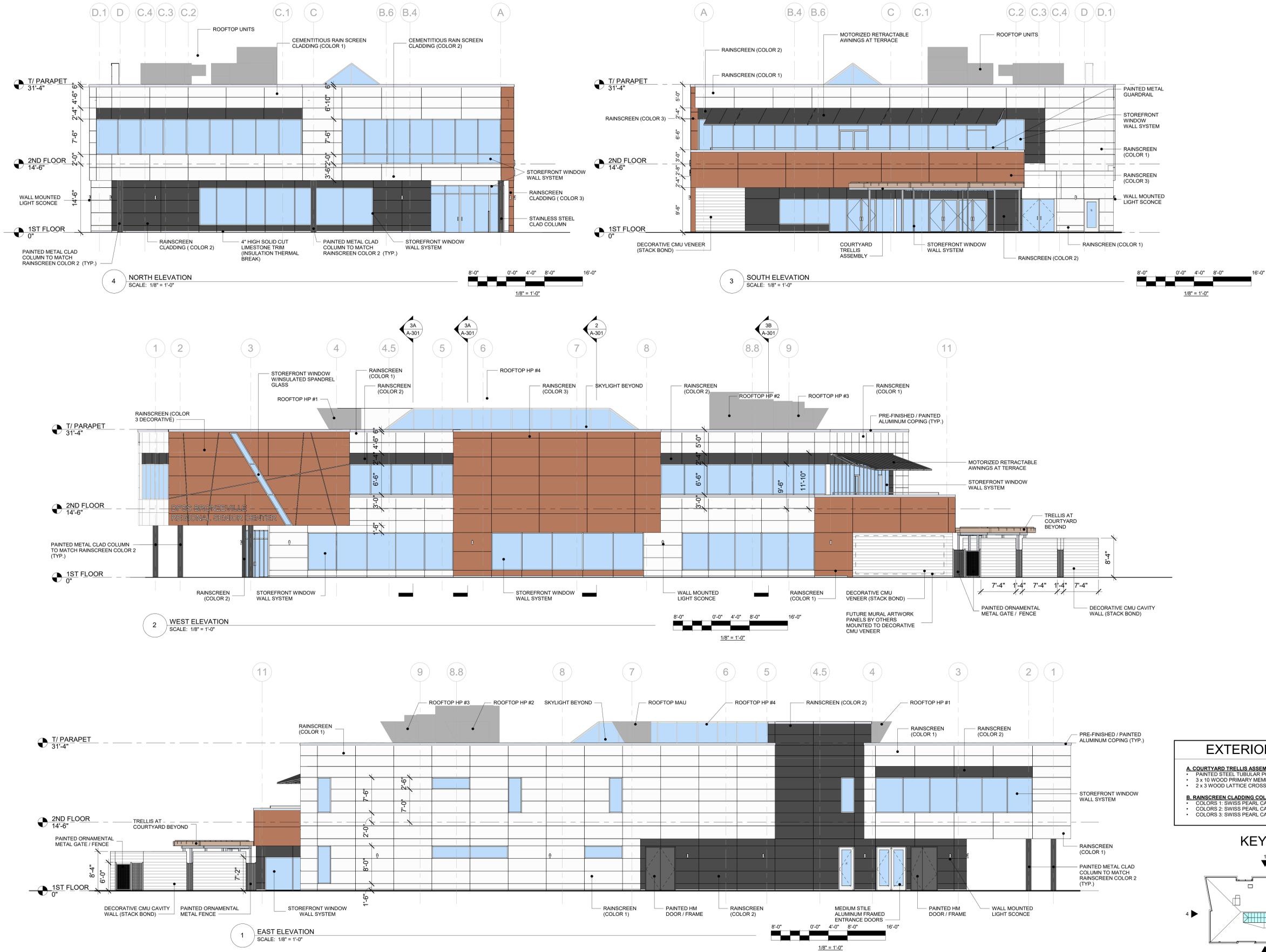
Issuance

MARK	DESCRIPTION	DATE
1	100% SD	08/15/25

PBC Project Name: DFSS BRONZEVILLE REGIONAL SENIOR CENTER  
 PBC Contract No: 10030  
 Project No: H-93  
 Title

**BUILDING ELEVATIONS**

Sheet  
**A-201**



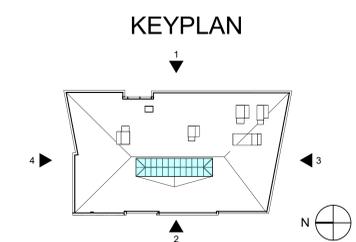
**EXTERIOR LEGEND**

**A. COURTYARD TRELLIS ASSEMBLY:**

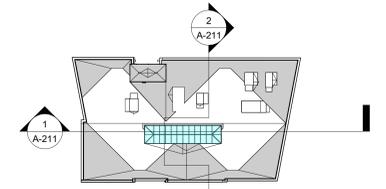
- PAINTED STEEL TUBULAR POST/BEAMS
- 3 x 10 WOOD PRIMARY MEMBERS @ 16" O.C. MAX
- 2 x 3 WOOD LATTICE CROSS MEMBERS @ 16" O.C.

**B. RAINSCREEN CLADDING COLORS:**

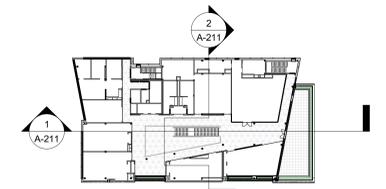
- COLORS 1: SWISS PEARL CARAT - BLACK OPAL 7021
- COLORS 2: SWISS PEARL CARAT - ONYX 7090
- COLORS 3: SWISS PEARL CARAT - TOPAZ 7070



ROOF KEYPLAN



SECOND FLOOR KEYPLAN



FIRST FLOOR KEYPLAN



EXTERIOR ASSEMBLY

- R1 - FULLY ADHERED SINGLE-PLY ROOF ASSEMBLY ON CONCRETE FILLED METAL DECK / FLAT INSULATION OVER SLOPED STRUCTURE - (ASSEMBLY U VALUE 0.026):**
- PVC MEMBRANE ROOFING SYSTEM OVER
  - 1/2" POLYISOCYANURATE COVERBOARD OVER
  - TWO LAYERS OF 2.6" POLYISOCYANURATE INSULATION (5.2" TOTAL, R-30) OVER
  - VAPOR RETARDER OVER
  - 1/2" GYPSUM SUBSTRATE BOARD OVER
  - 1 1/2" METAL DECK AND SLOPED STEEL OPEN WEB STEEL JOISTS OR STEEL BEAMS
  - ALUMINUM ROOF-EDGE FASCIAS AND COPINGS WITH A FLUOROPOLYMER FINISH
- R2 - FULLY ADHERED SINGLE-PLY ROOF ASSEMBLY ON CONCRETE FILLED METAL DECK - (ASSEMBLY U VALUE 0.026):**
- PVC MEMBRANE ROOFING SYSTEM OVER
  - 1/2" POLYISOCYANURATE COVERBOARD OVER
  - TAPERED POLYISOCYANURATE INSULATION @ 1/4" / FOOT, OVER
  - TWO LAYERS OF 2.6" POLYISOCYANURATE INSULATION (5.2" TOTAL) OVER
  - CONCRETE ON COMPOSITE METAL DECK AND SLOPED STEEL WIDE FLANGE BEAMS
- EXTERIOR PLANTING ASSEMBLY:**
- CEMENTITIOUS RAINSCREEN WALL CLADDING OVER
  - 1" ALUMINUM GIRTS SECURED TO REINFORCED CONCRETE PLANTER WALLS FORMED INTEGRALLY WITH CONCRETE SLAB
  - PROVIDE PVC ROOFING WRAP OF ACL PLANTER INTERIOR/DESK/EXTERIOR WALLS
  - INSTALL GEOTEXTILE DRAINAGE PANELS TO LINE WALLS+DECK OF PLANTER
  - INSTALL 2" THICK POLYISOCYANURATE PROTECTION BOARD LINING PLANTER
  - PROVIDE DRAINS, SOIL AND LANDSCAPING
  - PROVIDE PREFINISHED ALUMINUM COPINGS TO CAP WALLS
- TERRACE FLOOR ASSEMBLY:**
- PRECAST CONCRETE PAVERS W/ 1/4" OPEN JOINTS SET ON ADJUSTABLE PEDESTALS (SET LEVEL MATCHING 2ND FLR FINISH)
  - PVC ADHERED MEMBRANE OVER 1/2" POLYISOCYANURATE OVER TWO LAYERS OF 2.6" POLYISOCYANURATE INSULATION (5.2" TOTAL, R-30) OVER
  - VAPOR RETARDER OVER
  - SLOPED CONCRETE FILLED METAL DECK OVER
  - STRUCTURAL STEEL FRAMING
- TYPICAL EXTERIOR COLUMNS:**
- CONCRETE ENCASED STRUCTURAL STEEL W/ PAINTED METAL COLUMN COVER (NOMINAL 14" DIA.)
- STAIR NO. 3:**
- PAINTED STEEL CHANNEL BOXED STRINGERS
  - FORMED STEEL SOLID RISER AND
  - PRECAST TERRAZZO TREADS
  - STRUCTURAL TEMPERED GLASS RAILING W/ STAINLESS STEEL BASE SHOE AND HANDRAIL
- DINING AREA ENTRY PORTICO:**
- WOOD DOORS & FRAMES ON CENTER PIVOT HINGES + CONCEALED CLOSER + HOLDS OPEN
  - WOOD PANEL/FIN FRAMES W/ MILLWORK HEADER PANELS

2 TRANSVERSE BUILDING SECTION  
SCALE: 3/16" = 1'-0"

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

Issuance

MARK	DESCRIPTION	DATE
1	100% SD	08/15/25

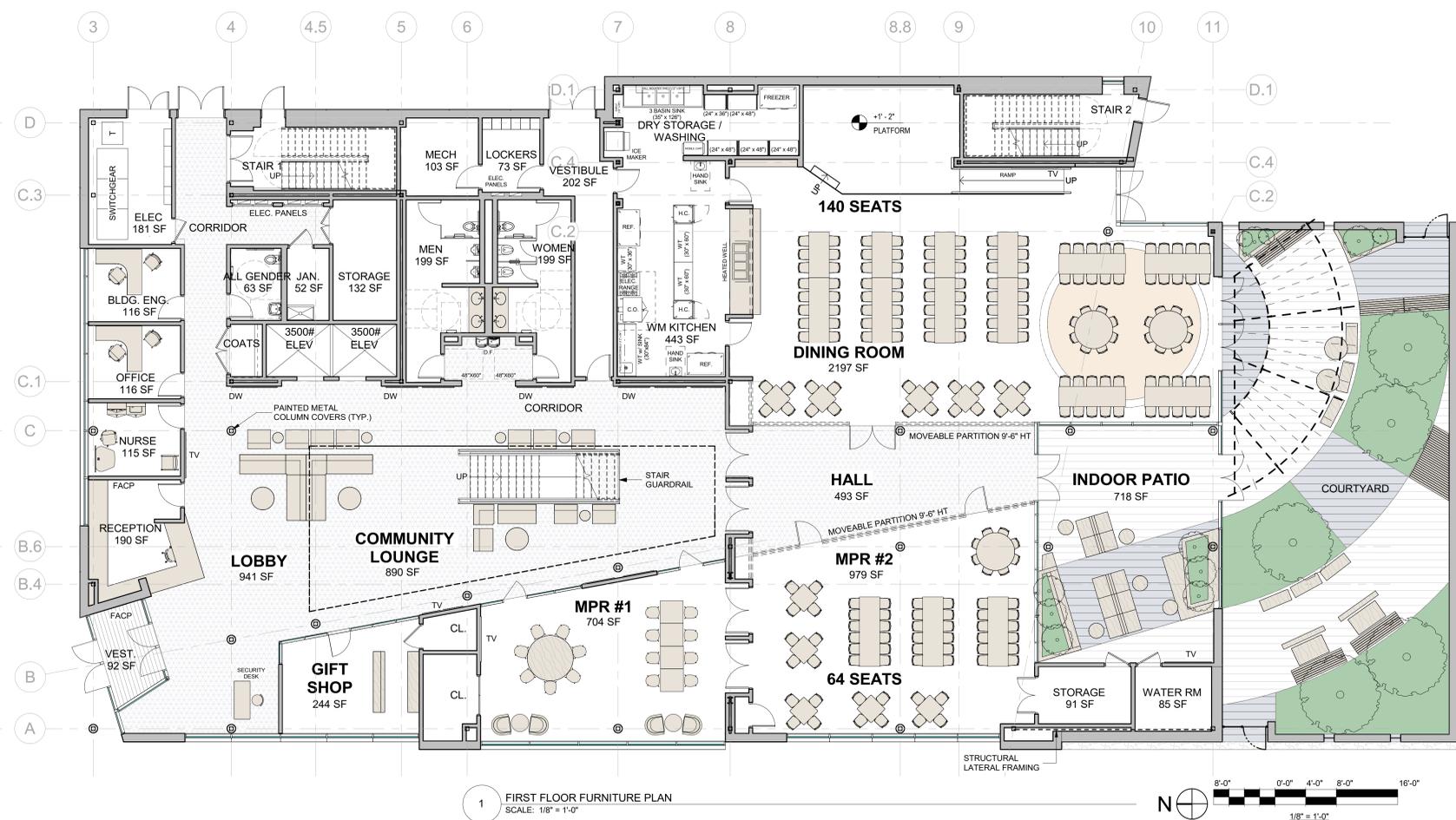
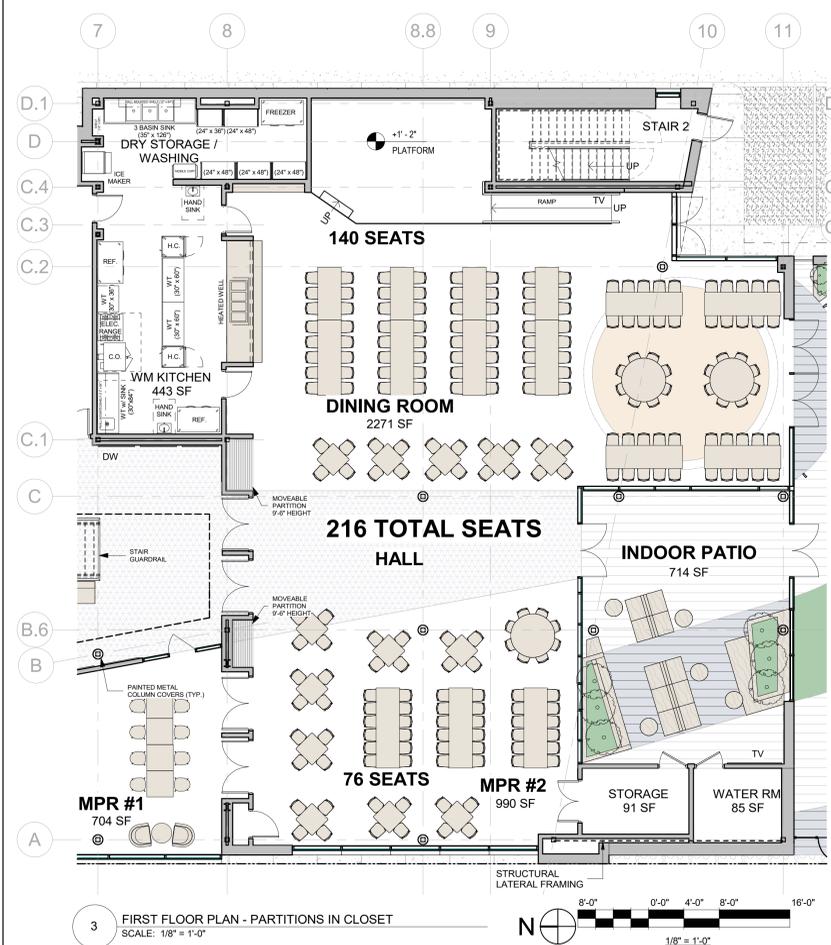
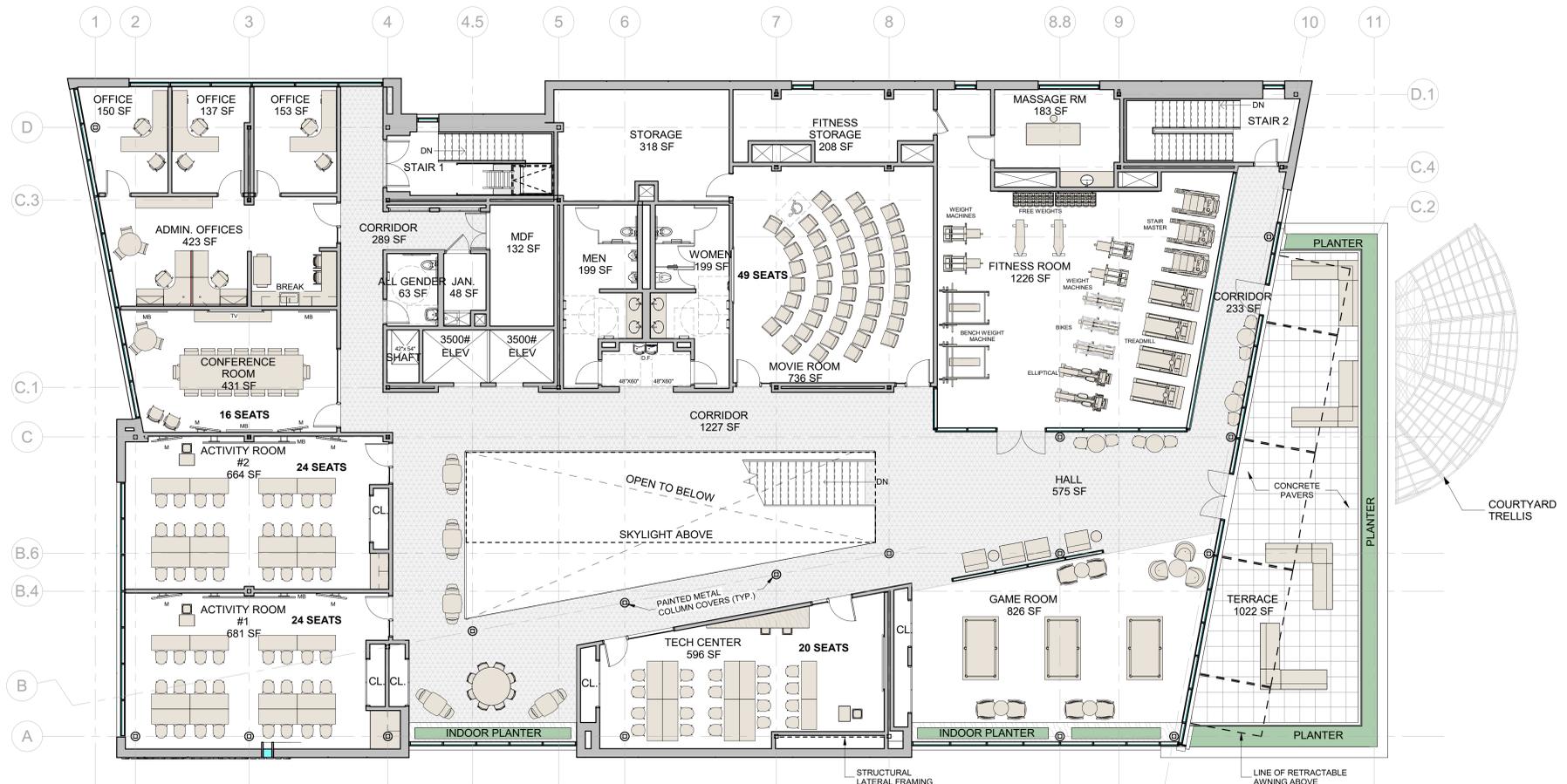
PBC Project Name: DFSS BRONZEVILLE REGIONAL SENIOR CENTER  
PBC Contract No: 10030  
Project No: H-93  
Title

**BUILDING SECTIONS**

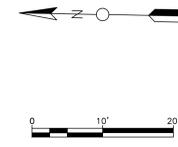
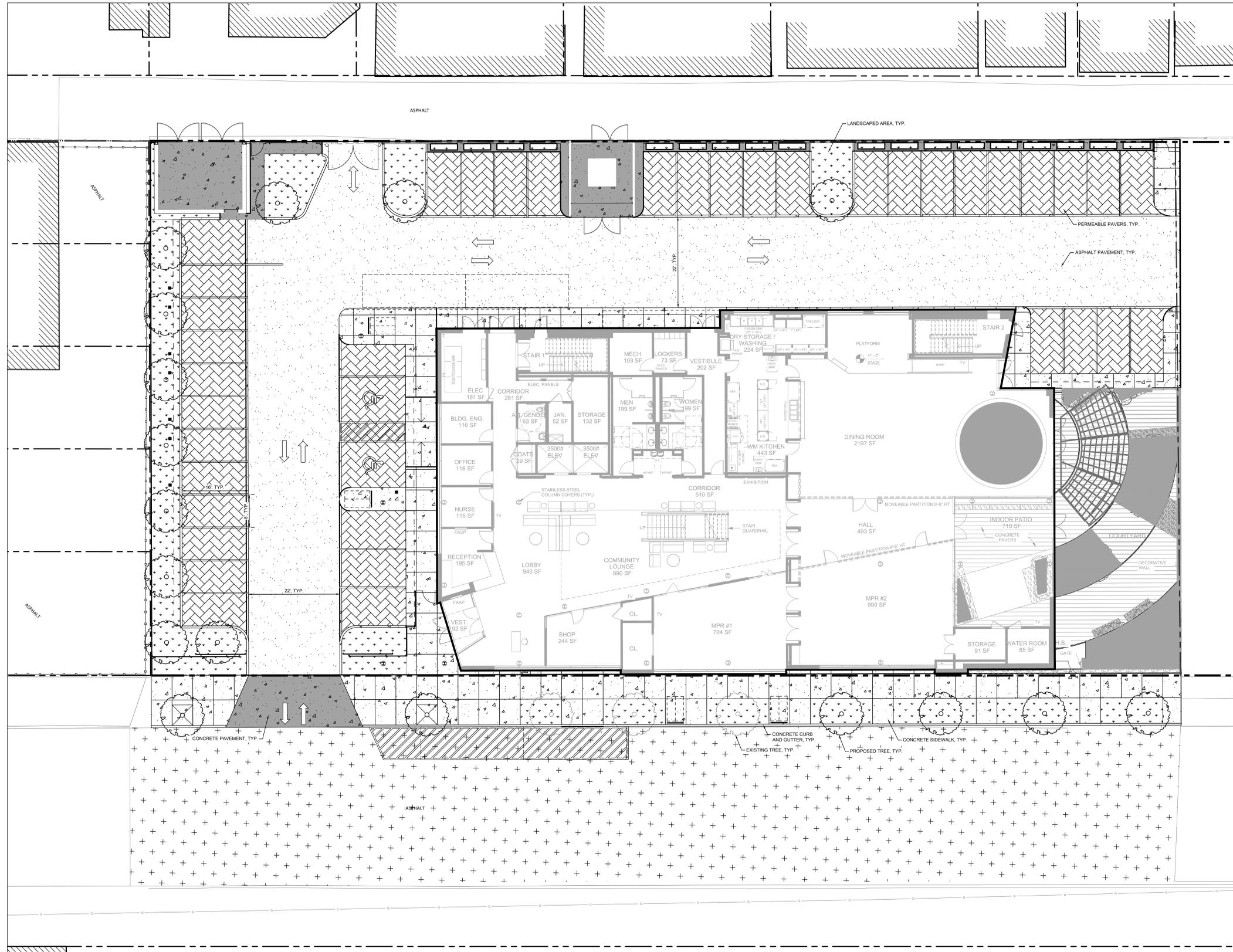
Sheet **A-211**



MARK	DESCRIPTION	DATE
1	100% SD	08/15/25







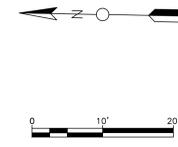
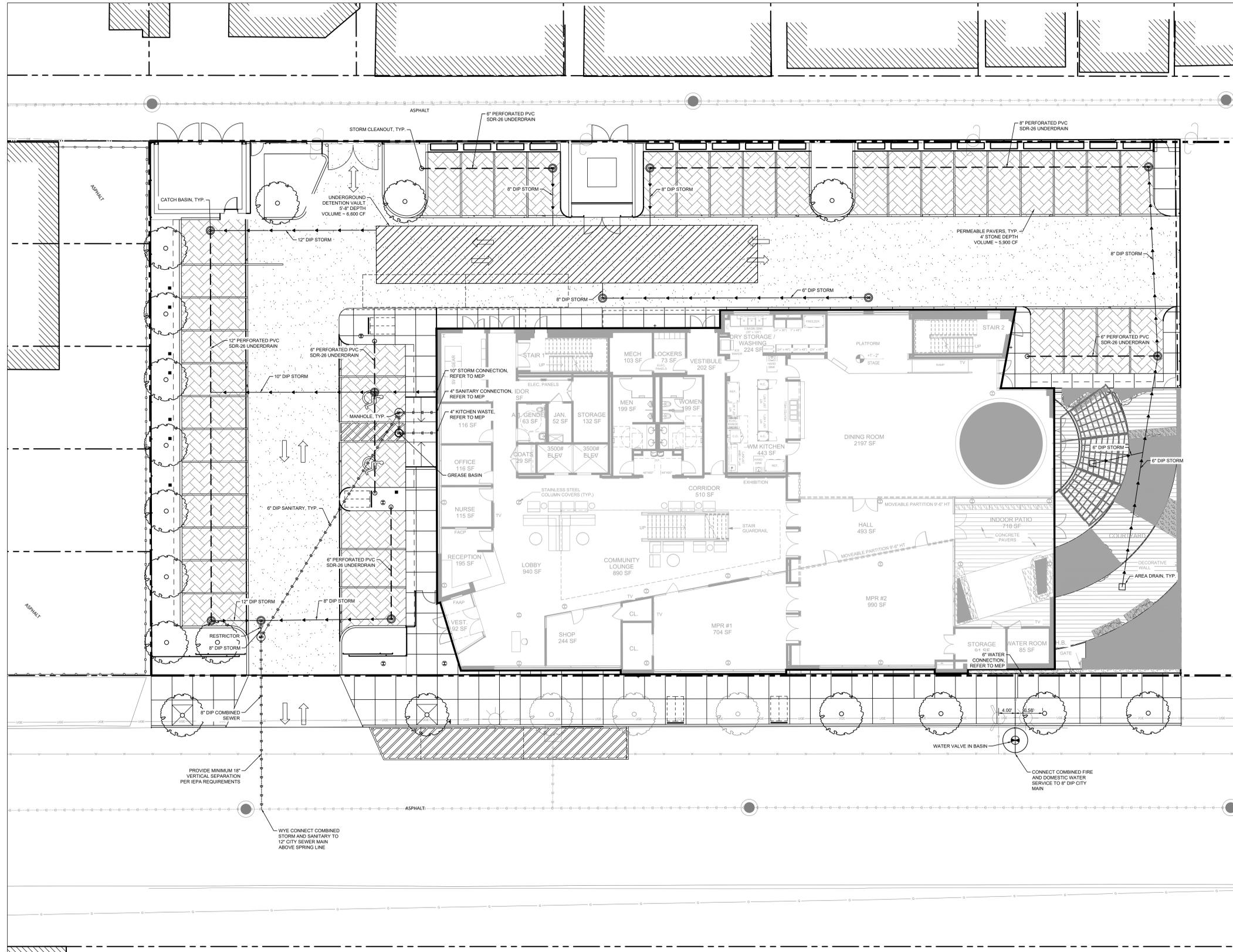
**LEGEND**

- ASPHALT PAVEMENT AND BASE
- CONCRETE PAVEMENT AND BASE
- CONCRETE SIDEWALK AND BASE
- LANDSCAPED AREA
- PERMEABLE PAVERS
- PROPERTY LINE
- BUILDING FOOTPRINT

Issuance

MARK	DESCRIPTION	DATE
01	100% SD	8/15/2025



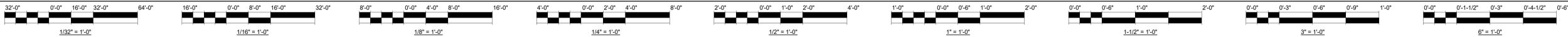


**LEGEND**

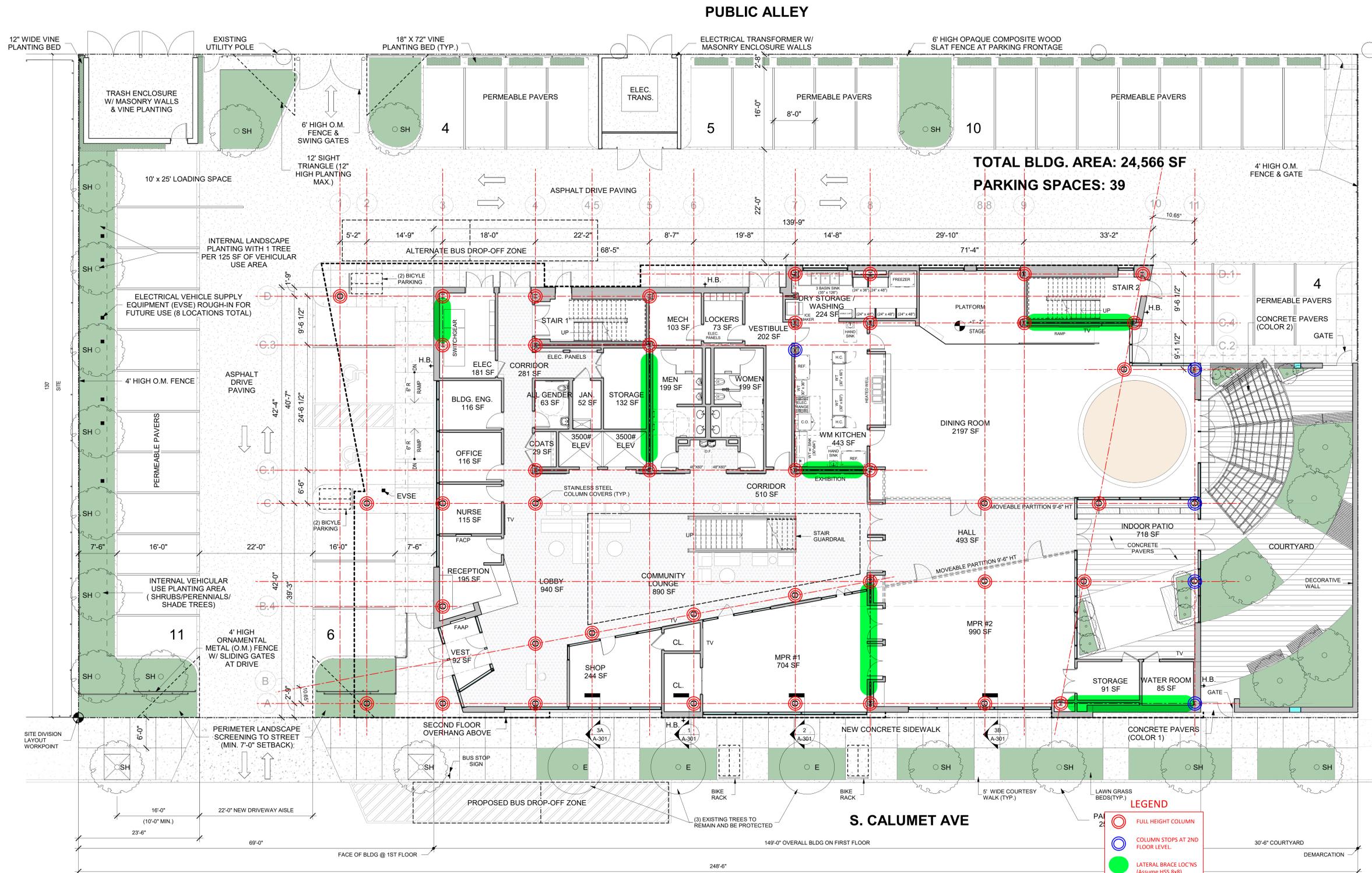
- PERMEABLE PAVERS
- UNDERGROUND DETENTION
- GENERAL DIRECTION OF DRAINAGE
- MANHOLE
- AREA DRAIN
- CATCH BASIN
- GREASE TRAP
- SANITARY
- STORM
- PERFORATED STORM
- WATER
- WATER VALVE
- PROPERTY LINE

Issuance

MARK	DESCRIPTION	DATE
01	100% SD	8/15/2025



TYP column size HSS6x6,  
A500 Gr C ( $f_y=50$  ksi)  
No PV allowance for roof



TOTAL BLDG. AREA: 24,566 SF  
PARKING SPACES: 39

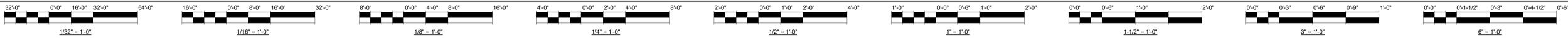
**LEGEND**  
 ○ FULL HEIGHT COLUMN  
 ○ COLUMN STOPS AT 2ND FLOOR LEVEL  
 ● LATERAL BRACE LOCNS (Assume HSS 8x8)

Issuance

MARK	DESCRIPTION	DATE
01	100% SD	8/15/2025

PBC Project Name: DFSS BRONZEVILLE REGIONAL SENIOR CENTER  
 PBC Contract No: 10030  
 Project No: H-93  
 Title

1 FIRST FLOOR PLAN w/ SITE (12,614 GSF)  
 SCALE: 1/8" = 1'-0"

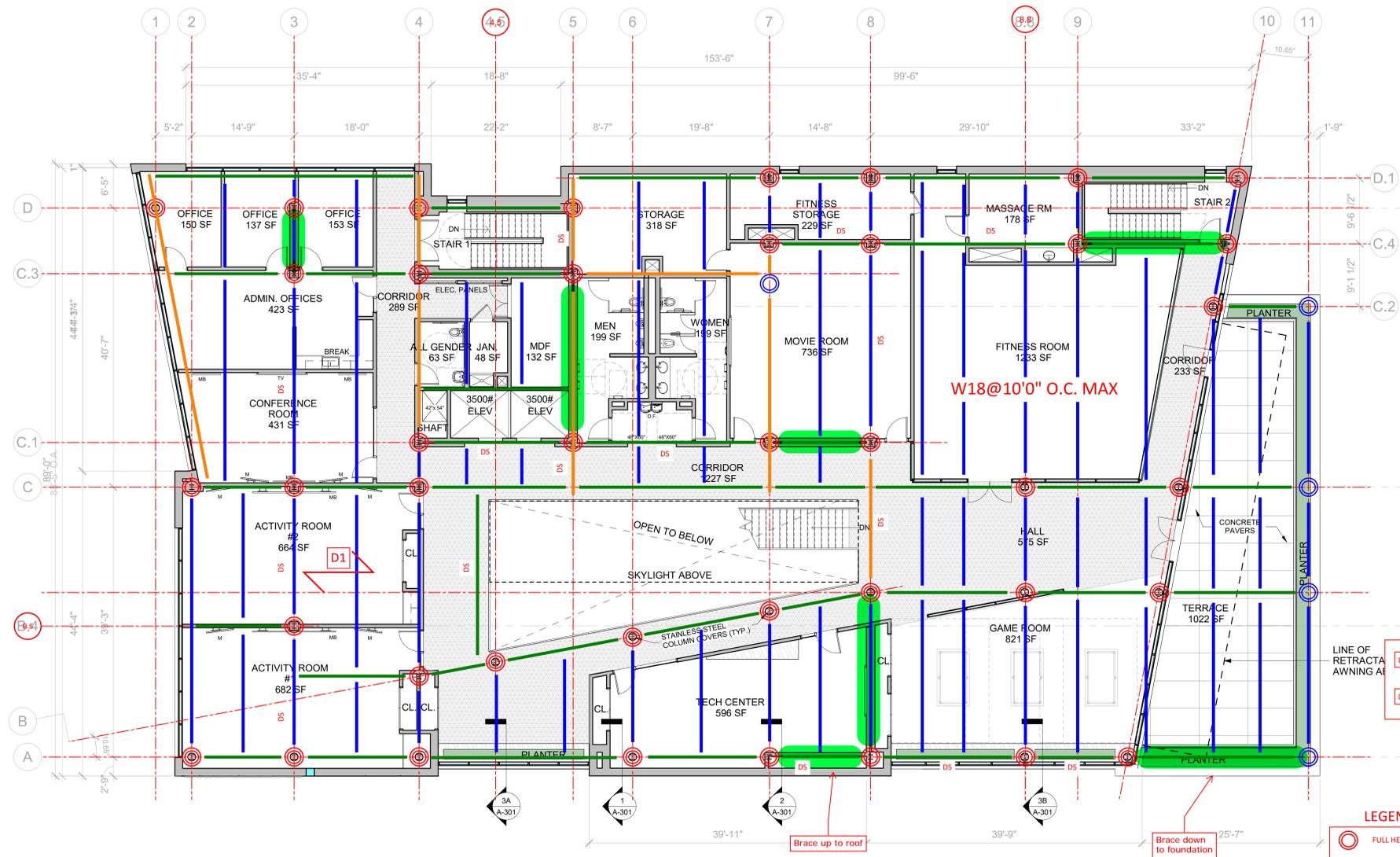


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PBC Project Name: DFSS BRONZEVILLE REGIONAL SENIOR CENTER  
 PBC Contract No: 10030  
 Project No: H-93  
 Title

**SECOND FLOOR FRAMING PLAN**



**Deck Schedule**

D1	6" TOTAL SLAB THICKNESS. 2 1/2" NW CONCRETE ON 3.5DS-24 GALV DECK
D2	5 1/2" TOTAL SLAB THICKNESS. 3 1/4" LW CONCRETE ON 2.0VL1-36 GALV DECK

**LEGEND**

- FULL HEIGHT COLUMN
- COLUMN STOPS AT 2ND FLOOR LEVEL.
- LATERAL BRACE LOC'NS (Assume HSS 8x8)
- DECK SPAN DIRECTION

1 SECOND FLOOR PLAN (11,592 GSF)  
 SCALE: 1/8" = 1'-0"



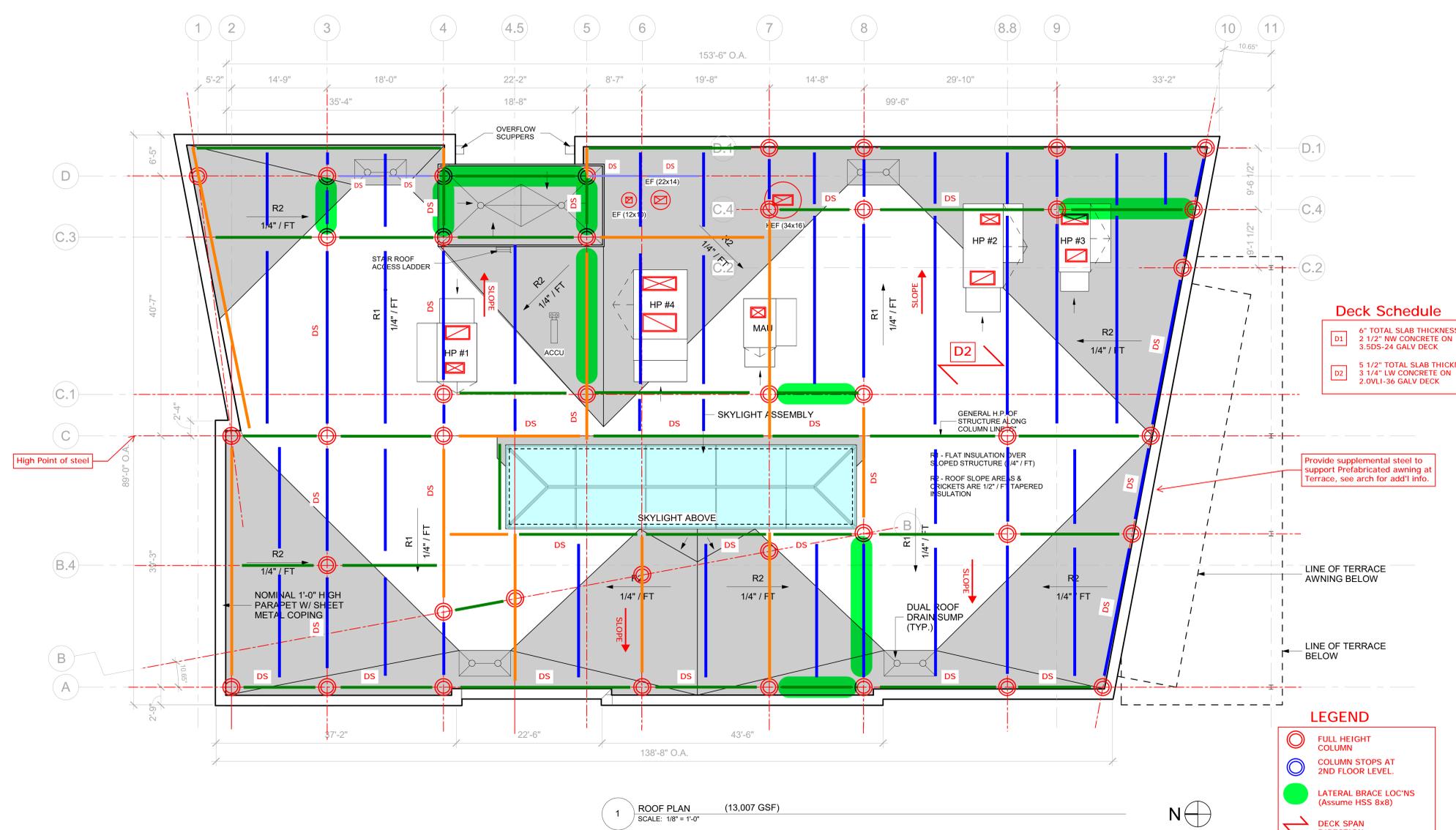
Issuance

MARK	DESCRIPTION	DATE
01	100% SD	8/15/2025

PBC Project Name: DFSS BRONZEVILLE REGIONAL SENIOR CENTER  
PBC Contract No: 10030  
Project No: H-93  
Title

**ROOF FRAMING PLAN**

TYP column size HSS6x6,  
A500 Gr C (f<sub>y</sub>=50 ksi)  
No PV allowance for roof



**GENERAL ROOF NOTES**

- ALL INSULATION JOINTS, HORIZONTAL AND VERTICAL, ARE TO BE STAGGERED.
- ALL INSULATION JOINTS GREATER THAN 1/4" ARE TO BE FILLED W/ INSULATION STRIPS.
- ALL ROOF PENETRATIONS, INCLUDING VENT STACKS, ROOF CURBS, AND PIPE SUPPORT CURBS ARE TO BE A MINIMUM OF 14" ABOVE THE ROOF MEMBRANE SURFACE.
- FIELD VERIFY ALL CONDITIONS PRIOR TO SUBMITTING SHOP DRAWINGS INCLUDING TAPERED INSULATION DRAWINGS W/ ALL DRAIN LOCATIONS.
- ALL COUNTERFLASHING, COPING, AND MISC. METAL FLASHING PIECES ARE TO HAVE SEALANT APPLIED AT THEIR END CONDITIONS.
- ALL EXPOSED FASTENERS TO BE CORROSION RESISTIVE, HAVE NEOPRENE WASHERS, AND BE COVERED W/ SEALANT FOLLOWING ARCHITECT'S APPROVAL.
- APPLY MEMBRANE MANUFACTURER'S SEALANT OVER FASTENER HEADS AT BASE FLASHING SECUREMENT.
- DRAINS TO BE FLASHED AS PER MANUFACTURER'S SPECIFICATIONS.
- PROVIDE COUNTERFLASHING FOR ALL VERTICAL FLANGES ON ENDWALL FLASHING PIECES.
- WHEN CONDITIONS REQUIRE END WALL FLASHING TO BE INSTALLED, COORDINATE INSTALLATION SO THAT END WALL FLASHING AND COUNTERFLASHING GOVERNING IF ARE NOT DOUBLE FASTENED - ONLY ONE FASTENER IS REQUIRED TO SECURE BOTH PIECES.
- SCREW FASTENERS FOR INSULATION ARE TO BE INSTALLED THROUGH TOP FLUTES OF METAL DECK ONLY.
- ALL WOOD BLOCKING TO BE PRESSURE TREATED. ALL CONNECTIONS MITERED AND SCREWED, UNLESS NOTED OTHERWISE.
- ALL COPING JOINTS TO ALIGN WITH CENTER OF METAL PANEL JOINTS AND MULLIONS UNLESS NOTED OTHERWISE.
- REFER TO "ROOF PLAN LEGEND" ON SHEET G-201.

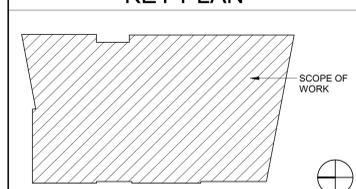
**Deck Schedule**

D1	6" TOTAL SLAB THICKNESS. 2 1/2" NW CONCRETE ON 3.5DS-24 GALV DECK
D2	5 1/2" TOTAL SLAB THICKNESS. 3 1/4" LW CONCRETE ON 2.0VLI-36 GALV DECK

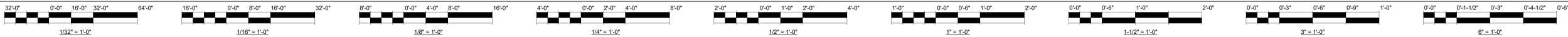
**ROOF PLAN LEGEND**

- AREA OF SLOPED STRUCTURE
- AREA OF SLOPED INSULATION
- ROOF DRAIN SUMP WITH OVERFLOW DRAIN
- FLUE
- VENT PIPE ROOF PENETRATION - REFER TO PLUMBING DWGS
- DOWNSPOUT NOZZLE
- DOWNSPOUT
- TAPERED INSULATION
- AREA OF CONCRETE FILLED METAL DECK
- EXHAUST FAN
- AC CONDENSER UNIT

**KEY PLAN**



- LEGEND**
- FULL HEIGHT COLUMN
  - COLUMN STOPS AT 2ND FLOOR LEVEL
  - LATERAL BRACE LOC'NS (Assume HSS 8x8)
  - DECK SPAN DIRECTION



PIPE & EQUIPMENT SYMBOLS	
	AIR FLOW
	BACKFLOW PREVENTER
	BALANCING VALVE/CIRCUIT SETTER
	BALL VALVE
	BALL VALVE W/ PADLOCK
	BASKET STRAINER
	BTU METER
	BUTTERFLY VALVE WITH TAMPER SWITCH
	CAP
	CAPPED PIPE
	CARBON DIOXIDE SENSOR
	CHECK VALVE
	CLEANOUT
	CLEANOUT WITH 45
	CLEANOUT WITH 45 AND EXTENSION
	DIELECTRIC UNION
	DIFFERENTIAL PRESSURE CONTROL VALVE
	EXPANSION JOINT
	FLEXIBLE CONNECTION
	FLOW METER
	FLOW SWITCH
	FOOT VALVE
	GAS METER
	GAS SHUT OFF VALVE
	GATE VALVE
	GLOBE VALVE
	MANUAL AIR VENT
	MANUAL BUTTERFLY VALVE
	MOTOR OPERATED THREE-WAY CONTROL VALVE (DIVERTING)
	MOTOR OPERATED THREE-WAY CONTROL VALVE (MIXING)
	MOTOR OPERATED TWO-WAY CONTROL VALVE
	MOTORIZED SHUT OFF VALVE
	PETE'S PLUG
	PIPE ANCHOR
	PIPE ELBOW TURNED DOWN
	PIPE ELBOW TURNED UP
	PIPE GUIDE
	PIPE PENETRATION THRU BEAM
	PRESSURE GAUGE
	PRESSURE GAUGE ASSEMBLY
	PRESSURE INDEPENDENT CONTROL VALVE
	PRESSURE REGULATING VALVE
	PRESSURE & TEMPERATURE PLUG
	PUMP
	REDUCER
	RELIEF OR SAFETY VALVE
	SOLENOID VALVE
	STAD BALANCING VALVE
	SMOKE DETECTOR
	THERMOMETER
	THREE WAY BY-PASS VALVE
	THREE-WAY VALVE
	THREE-WAY CONTROL VALVE
	UNION
	VENT CAP
	VOLUME DAMPER
	Y STRAINER WITH BLOWOFF VALVE
	Y STRAINER
	Y STRAINER WITH DRAIN VALVE
	WALL THERMOSTAT
	PRESSURE SENSOR
	DEW POINT SENSOR
	GAS SENSOR
	CARBON MONOXIDE SENSOR
	FIELD EQUIPMENT CONTROLLER

DUCT & EQUIPMENT SYMBOLS	
	RECTANGULAR DUCT ELBOW TURNED DOWN
	RECTANGULAR DUCT ELBOW TURNED UP
	ROUND DUCT ELBOW TURNED DOWN
	ROUND DUCT ELBOW TURNED UP
	DUCT OFFSET DOWN WITH RESPECT TO AIRFLOW
	DUCT OFFSET UP WITH RESPECT TO AIRFLOW
	DUCT AIRWAY SIZE IN INCHES-FIRST DIMENSION IS SIDE SHOWN
	DUCT SIZE TRANSITION
	DUCT PENETRATION THRU BEAM
	FIRE DAMPER WITH ACCESS DOOR
	MANUAL VOLUME DAMPER
	BACKDRAFT DAMPER
	MOTOR OPERATED DAMPER
	COMBINATION FIRE/SMOKE DAMPER - SMOKE DETECTOR ACTUATION
	FLOW MONITORING STATION
	FLEXIBLE DUCT CONNECTION
	DUCT WITH ACCESS DOOR
	FLEXIBLE DUCT
	RECTANGULAR ELBOW WITH AIRFOIL TURNING VANES
	2-PIPE RADIANT PANEL
	4-PIPE RADIANT PANEL
	VENTURI VALVE
	DUCTED VRF UNIT
	NON-DUCTED VRF UNIT

MECHANICAL LINETYPES	
	CHILLED WATER RETURN
	CHILLED WATER SUPPLY
	CONDENSATE DRAIN
	MAKE-UP WATER
	GAS
	CONDENSATE
	HEATING HOT WATER SUPPLY
	HEATING HOT WATER RETURN

EQUIPMENT TAGS	
	AIR DIFFUSER - GRILLE, REGISTER TYPE
	AIR DIFFUSER - FLOWBAR, LINEAR SLOT TYPE
	AIR DIFFUSER - SWIRL TYPE
	AIR DIFFUSER - PLENUM TYPE
	MECHANICAL EQUIPMENT TAG
	EQUIPMENT TYPE
	IN-FLOOR CHILLED BEAM TAG
	UNIT SIZE
	VALVE TYPE SYSTEM TYPE
	CONTROL VALVE TAG
	TYPICAL RISER TAG

NOMENCLATURE:			
AHU	AIR HANDLING UNIT	HUM	HUMIDIFIER
AS	AIR SEPARATOR	HWP	HOT WATER PUMP
B	BOILER	HXC	HEAT EXCHANGER (COOLING)
CB	IN-FLOOR ACTIVE CHILLED BEAM	HXH	HEAT EXCHANGER (HEATING)
CHWP	CHILLED WATER PUMP	JEF	JANITOR EXHAUST FAN
CUH	CABINET UNIT HEATER	OHU	OUTSIDE AIR HANDLING UNIT
DP	DIFFERENTIAL PRESSURE	PCHWP	PRIMARY CHILLED WATER PUMP
EBH	ELECTRIC BASEBOARD HEATER	RF	RETURN/RELIEF FAN
ECH	ELECTRIC CABINET HEATER	RHP	RADIANT HEAT RECIRCULATION PUMP
EDH	ELECTRIC DUCT HEATER	SA	SOUND ATTENUATOR
EF	EXHAUST FAN	SCHWP	SECONDARY CHILLED WATER PUMP
ERW	ENERGY RECOVERY WHEEL	SD	SMOKE DAMPER
ET	EXPANSION TANK	SF	SUPPLY FAN
EUH	ELECTRIC UNIT HEATER	TEF	TOILET EXHAUST FAN
F	FILTER	UH	HOT WATER UNIT HEATER
FCU	FAN COIL UNIT	VAV	VARIABLE AIR VOLUME TERMINAL (BOX)
FMS	FLOW MEASURING STATION	CDP	CONDENSATE PUMP
FPB	PARALLEL FAN POWERED TERMINAL (BOX)	V V	VENTURI VALVE
FS	FILL STATION		
FT	FIN TUBE RADIATOR		
HRC	HEAT RECOVERY COIL		

ABBREVIATIONS AND DEFINITIONS	
AC	AIR CURTAIN
AD	ACCESS DOOR
AHU	AIR HANDLING UNIT
AP	ACCESS PANEL
B	BOILER
BDD	BACKDRAFT DAMPER
BOD	BOTTOM OF DUCT ELEVATION
BHP	BRAKE HORSEPOWER
BTUH	BRITISH THERMAL UNIT PER HOUR
BV	BALANCING VALVE
CAI	COMBUSTION AIR INTAKE
CO	CARBON MONOXIDE DETECTOR
CC	COOLING COIL
CD	CONDENSATE DRAIN
CFM	CUBIC FEET PER MINUTE
CLG	CEILING
CV	CONSTANT VOLUME SUPPLY TERMINAL BOX
DB	DRY BULB TEMPERATURE
DEFL	DEFLECTION
DEG	DEGREE
DG	DOOR GRILLE
DIA	DIAMETER
DIFF	DIFFUSER
DN	DOWN
DX	DIRECT EXPANSION
E	EXHAUST AIR
EAT	ENTERING AIR TEMPERATURE
ECM	ELECTRONICALLY COMMUTATED MOTOR
EQUIP	EQUIPMENT
ER	EXHAUST/RECIRCULATION FAN
ET	EXPANSION TANK
EWT	ENTERING WATER TEMPERATURE
EXH	EXHAUST
F	FILTER
FA	FREE AREA
FCU	FAN COIL UNIT
FD	FIRE DAMPER
FLEX	FLEXIBLE
FM	FLOW METER
FMS	FLOW MEASURING STATION
FPB	FAN POWERED BOX
FT	FEET
GA	GAUGE
GPM	GALLON PER MINUTE
GR	GRILLE
H	HEIGHT
HR	HOUR
HTG	HEATING
HVAC	HEATING, VENTILATING & AIR CONDITIONING
HX	HEAT EXCHANGER
HZ	HERTZ
INSUL	INSULATION
IN	INCH
KW	KILOWATT
L	LENGTH
LAT	LEAVING AIR TEMPERATURE
LWT	LEAVING WATER TEMPERATURE
L.D.	LINEAR DIFFUSER

ABBREVIATIONS AND DEFINITIONS - CONT'D	
L	LENGTH
LAT	LEAVING AIR TEMPERATURE
LWT	LEAVING WATER TEMPERATURE
L.D.	LINEAR DIFFUSER
MAX	MAXIMUM
MCA	MINIMUM CIRCUIT AMPACITY
MIN	MINIMUM
MISC	MISCELLANEOUS
NC	NOISE CRITERIA
NK	NECK SIZE
NTS	NOT TO SCALE
OA	OUTSIDE AIR
OBD	OPPOSED BLADE DAMPER
OAHU	DEDICATED OUTSIDE AIR HANDLING UNIT
O	OUTLET VELOCITY
P	PUMP
DP	PRESSURE DIFFERENCE
PH	PHASE
PRESS	PRESSURE
RA	RETURN AIR
REG	REGISTER
RET	RETURN
RH	RELATIVE HUMIDITY
RPM	REVOLUTIONS PER MINUTE
REQ	REQUIREMENT
RV	REFRIGERANT RELIEF VENT
S	SUPPLY FAN
SA	SUPPLY AIR
SC	SUPPLEMENTAL COOLING
SD	SMOKE DAMPER
SMD	SMOKE DETECTOR
SOL	SOLENOID
SS	STAINLESS STEEL
SQ	SQUARE
ST	SOUND TRAP
STAT	STATIC
SUP	SUPPLY
TEMP	TEMPERATURE
TE	TOILET EXHAUST
TS	TIP SPEED
TR	TRANSFER AIR
TSP	TOTAL STATIC PRESSURE
TYP	TYPICAL
V	VOLTAGE
VAV	VARIABLE AIR VOLUME
VD	VOLUME DAMPER
VEL	VELOCITY
VOL	VOLUME
W	WIDTH
W/F.D.	WITH FIRE DAMPER
WB	WET BULB TEMPERATURE
WC	WATER COLUMN
WMS	WIRE MESH SCREEN
WP	WORKING PRESSURE

REFERENCE SYMBOLS	
	RISER DESIGNATION
	EQUIPMENT IDENTIFICATION
	MATCHLINE
	DETAIL / ENLARGED PLAN CALLOUT
	DETAIL / SECTION ELEVATION
	INTERIOR ELEVATION
NOMENCLATURE:	
	ELEVATION / DETAIL DESIGNATION
	SHEET REFERENCE NUMBER

GENERAL NOTES	
1.	ENTIRE INSTALLATION SHALL CONFORM TO THE REQUIREMENTS OF THE FOLLOWING CODES: INTERNATIONAL BUILDING CODE
2.	EXACT LOCATIONS OF ALL CEILING DIFFUSERS, REGISTERS AND GRILLES ARE DETAILED ON THE ARCHITECTURAL REFLECTED CEILING PLANS AND INTERIOR ELEVATIONS.
3.	EXACT LOCATION OF ALL ROOF OPENINGS TO BE COORDINATED WITH CONSTRUCTION WORK AND ARCHITECTURAL DRAWINGS.
4.	PLATFORMS AND CURBS FOR MECHANICAL EQUIPMENT SHALL BE AS INDICATED ON THE STRUCTURAL PLANS. COORDINATE EXACT SIZES OF REQUIRED OPENING AND SUPPORTS FOR FURNISHED EQUIPMENT. SEE ARCHITECTURAL PLANS FOR ROOFING AND FLASHING.
5.	ALL EQUIPMENT SHALL BE INSTALLED IN STRICT ACCORDANCE WITH THE EQUIPMENT MANUFACTURER'S RECOMMENDATIONS. CONTRACTOR TO PROVIDE ALL FITTINGS, TRANSITIONS, DAMPERS, VALVES, AND OTHER DEVICES REQUIRED FOR A COMPLETE WORKABLE INSTALLATION.
6.	ALL EQUIPMENT, DUCTS PIPING, AND OTHER DEVICES AND MATERIALS INSTALLED OUTSIDE OF THE BUILDING OR OTHERWISE EXPOSED TO THE WEATHER SHALL BE COMPLETELY WEATHERPROOFED.
7.	PROVIDE FIRE DAMPERS AS SHOWN ON DRAWINGS AT ALL PENETRATIONS THROUGH FIRE RATED WALLS AND FLOOR/CEILING. DAMPERS SHALL BE INSTALLED STRICTLY PER MANUFACTURER'S INSTRUCTIONS AND THE DAMPER'S LISTING.
8.	ALL DUCTWORK SHALL BE CONSTRUCTED, ERECTED AND TESTED IN ACCORDANCE WITH THE LOCAL REGULATIONS AND PROCEDURES DETAILED IN THE APPLICABLE STANDARDS ADOPTED BY THE SHEET METAL AND AIR CONDITIONING CONTRACTORS NATIONAL ASSOCIATION. (SMACNA)
9.	PENETRATIONS OF PIPES, CONDUITS, ETC. IN WALLS REQUIRING PROTECTED OPENINGS SHALL BE FIRE STOPPED. FIRE STOP MATERIAL SHALL BE A TESTED ASSEMBLY APPROVED BY THE FIRE MARSHAL.
10.	MANUFACTURER'S INSTALLATION INSTRUCTIONS SHALL BE MADE AVAILABLE TO THE INSPECTING AUTHORITIES.
11.	PENETRATION OF RATED ASSEMBLIES SHALL BE FIRE STOPPED USING AN APPROVED PENETRATION FIRESTOP AS TESTED IN ACCORDANCE WITH ASTM E 814 OR UL 1479 WITH A MINIMUM POSITIVE PRESSURE DIFFERENTIAL OF 0.01 INCH OF WATER AND SHALL HAVE AN F AND T RATING OF NOT LESS THAN THE REQUIRED FIRE RESISTANCE RATING OF THE ASSEMBLIES.
12.	INSULATION OR LINING APPLIED TO THE INTERIOR OR EXTERIOR OF DUCTWORK LOCATED IN THE BUILDING SHALL HAVE A FLAME SPREAD OF NOT MORE THAN 25 AND SMOKE DEVELOPED RATING OF NOT MORE THAN 50 WHEN TESTED AS A COMPOSITE INSTALLATION INCLUDING INSULATION, FACING MATERIALS, TAPES AND ADHESIVES AS NORMALLY APPLIED.
	PROVIDE AND MAINTAIN ACCESS AND WORKING SPACE NEAR MECHANICAL, ELECTRICAL AND CONTROL EQUIPMENT TO PERMIT READY AND SAFE OPERATION, EXAMINATION AND MAINTENANCE.
13.	DESIGN DRAWINGS ARE DIAGRAMMATIC AND DO NOT SHOW ALL OFFSETS, BENDS ELBOWS OR OTHER ELEMENTS WHICH MAY BE REQUIRED. CONTRACTOR SHALL PROVIDE ALL ACCESSORIES AS NECESSARY FOR A COMPLETE INSTALLATION, WITH NO ADDITIONAL COST TO THE OWNER.
	CONTRACTOR SHALL REFER TO ALL OTHER DRAWINGS FOR REFERENCE DATA AND VERIFICATION PURPOSES.
14.	COMPLY WITH ALL CONTRACT DOCUMENTS IN LAYING OUT WORK AND EQUIPMENT COORDINATE WORK WITH OTHER TRADES AND ALL JOB CONDITIONS.
15.	EACH PIECE OF EQUIPMENT COMPRISING PART OF MECHANICAL SYSTEM SHALL BE CHECKED FOR PROPER LUBRICATION, DRIVE ROTATION, BELT TENSION, PROPER CONTROL SEQUENCE AND ANY OTHER CONDITION WHICH MAY CAUSE IMPROPER EQUIPMENT OPERATION, DAMAGE TO EQUIPMENT OR ENDANGER PERSONNEL.
16.	ALL SPACE CONDITIONING AND VENTILATION SYSTEMS SHALL BE BALANCED TO THE QUANTITIES SPECIFIED IN THE PLANS, IN ACCORDANCE WITH THE ASSOCIATED AIR BALANCE COUNCIL (AABC) NATIONAL STANDARDS.
17.	ALL OUTDOOR AIR SUPPLY AND EXHAUST EQUIPMENT SHALL INCORPORATE DAMPERS THAT AUTOMATICALLY CLOSE DURING PERIODS OF NON-USE. THE DAMPERS SHALL BE EITHER MOTORIZED OR OF THE GRAVITY TYPE.
18.	ALL ROUND DUCTWORK SHALL BE ROUND SPIRAL GALVANIZED SHEET METAL UNLESS NOTED OR SPECIFIED OTHERWISE
19.	DUCT SIZES SHOWN ON DRAWINGS ARE NET INSIDE CLEAR DIMENSIONS, INTERNAL DUCT LINER AND EXTERNAL INSULATION ARE IN ADDITION TO THE DIMENSIONS SHOWN.
20.	EXACT LOCATION AND SIZES OF ALL GRILLES, REGISTERS, AND DIFFUSERS DETAILED ON ARCHITECTURAL LAYOUTS/PLANS AND INTERIOR ELEVATIONS AND DETAILS.



**DFSS**  
 Department of Family and Support Services

**DFSS BRONZEVILLE REGIONAL SENIOR CENTER**

4711 - 4755 S. CALUMET AVE.  
 CHICAGO IL, 60615

PUBLIC BUILDING COMMISSION  
 CITY OF CHICAGO, MAYOR BRANDON JOHNSON

DESIGN ARCHITECT:

**RADA ARCHITECTS**

ADDRESS: 233 N. MICHIGAN AVE, #1900  
 CHICAGO, ILLINOIS 60601  
 PHONE: 312.856.1970  
 FAX: 312.856.1978  
 WEB: WWW.RADA-ARCH.COM

ARCHITECT OF RECORD:

**MEP/FP ENGINEER**  
 Milhouse Engineering  
 333 S. Wabash Avenue, Suite 2901  
 Chicago, IL 60604

**STRUCTURAL ENGINEER**  
 Milhouse Engineering  
 333 S. Wabash Avenue, Suite 2901  
 Chicago, IL 60604

**CIVIL ENGINEER**  
 Milhouse Engineering  
 333 S. Wabash Avenue, Suite 2901  
 Chicago, IL 60604

**LANDSCAPE ARCHITECT**  
 TGDA Landscape Architect  
 3233 W. Le Moine Street, #1  
 Chicago, IL 60651

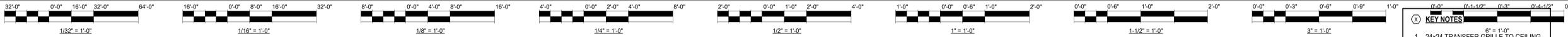
**FOOD SERVICE CONSULTANT**  
 520 Consultants  
 530 N. Wood Street, #C  
 Chicago, IL 60622

Issuance		
MARK	DESCRIPTION	DATE
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2	100% SD	8/15/2025

PBC Project Name: DFSS BRONZEVILLE REGIONAL SENIOR CENTER

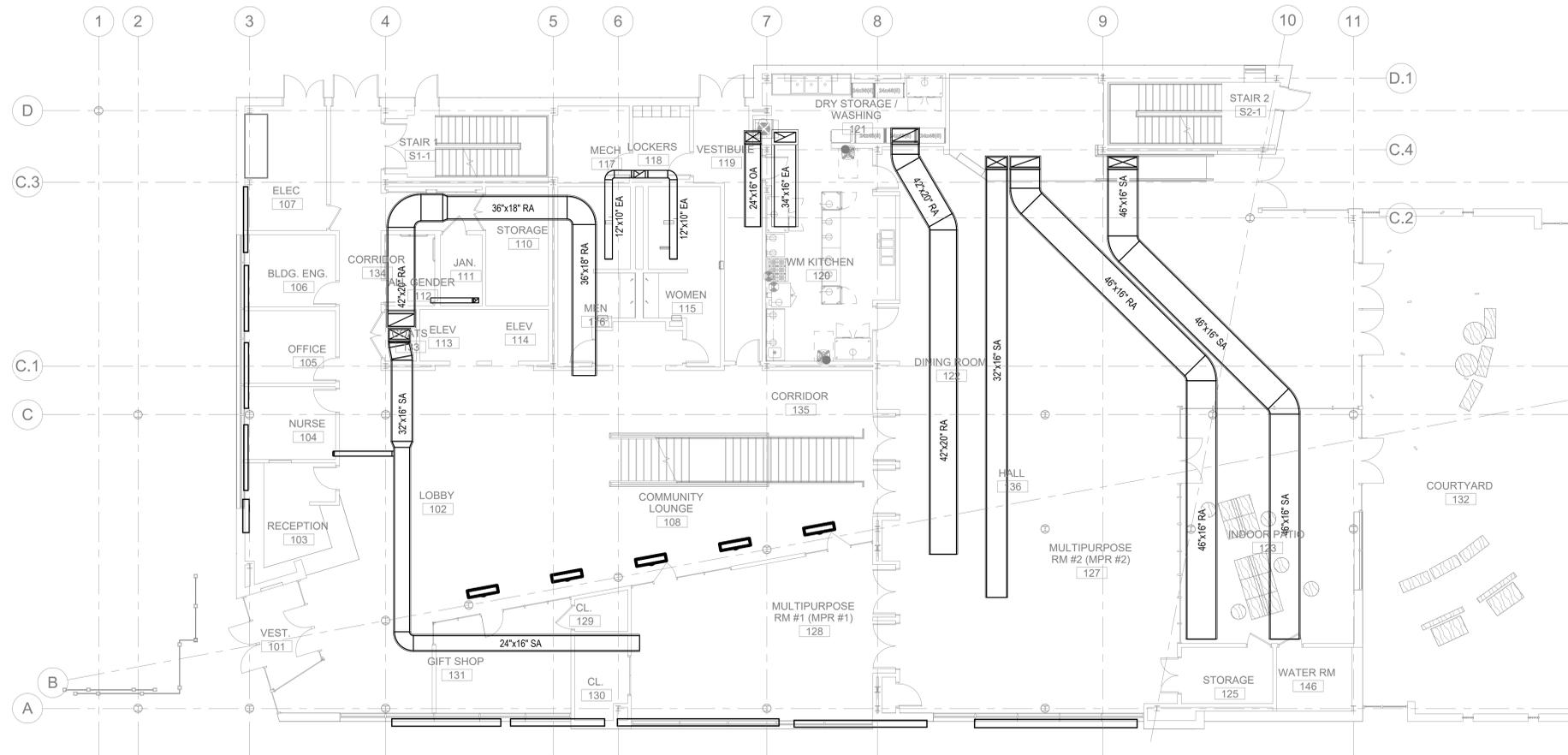
PBC Contract No: 10030  
 Project No: H-93  
 Title

**SYMBOLS AND ABBREVIATIONS**



**KEY NOTES**

1. 24x24 TRANSFER GRILLE TO CEILING PLENUM, TYPICAL THROUGHOUT.



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



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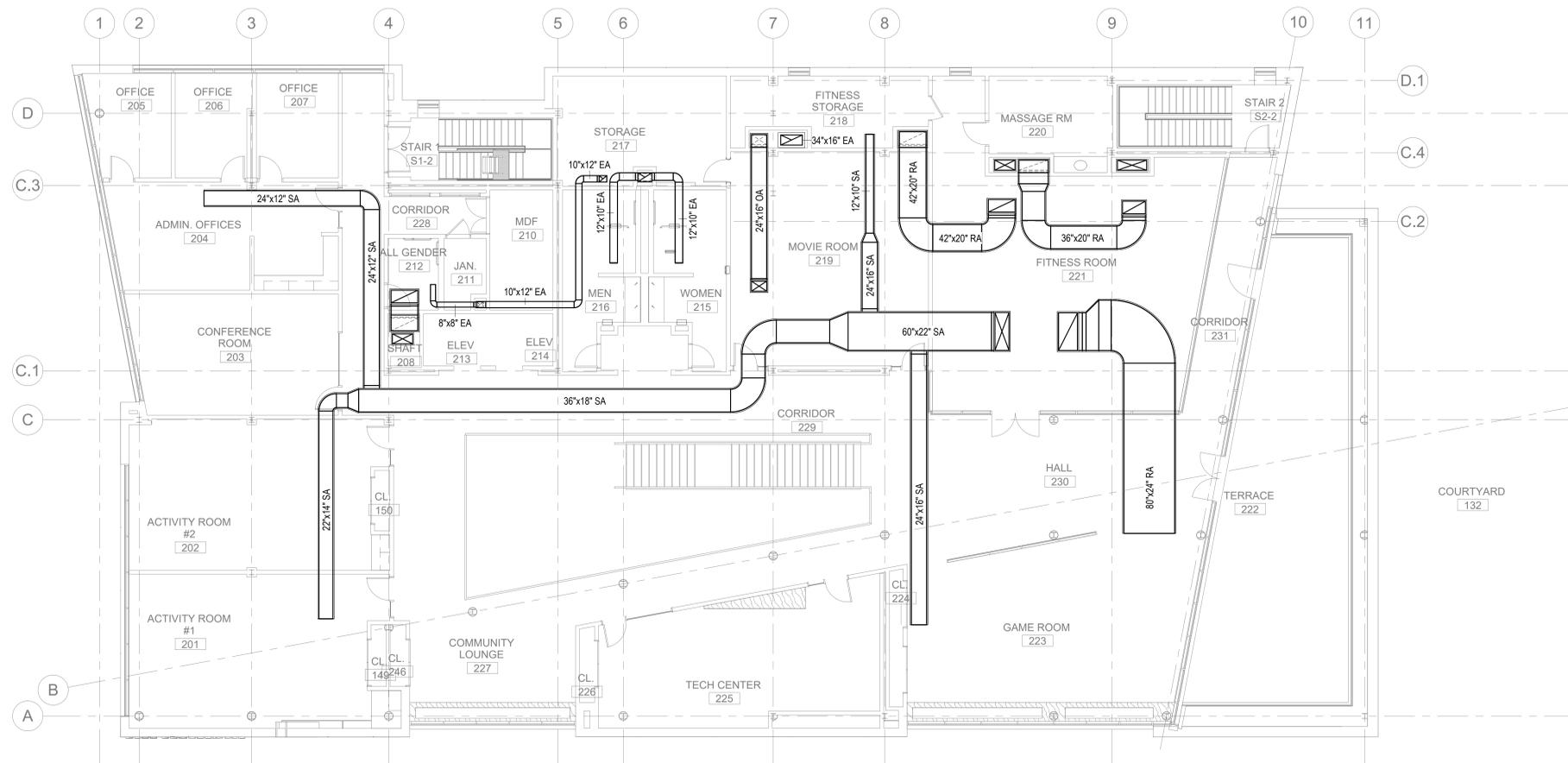
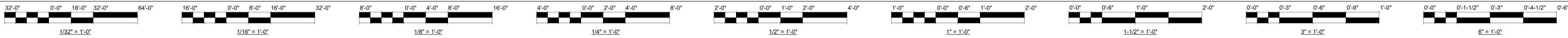
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CHICAGO, ILLINOIS 60601  
PHONE: 312.856.1970  
FAX: 312.856.1978  
WEB: WWW.RADA-ARCH.COM

ARCHITECT OF RECORD:

- MEP/FP ENGINEER**  
Mithouse Engineering  
333 S. Wabash Avenue, Suite 2901  
Chicago, IL 60604
- STRUCTURAL ENGINEER**  
Mithouse Engineering  
333 S. Wabash Avenue, Suite 2901  
Chicago, IL 60604
- CIVIL ENGINEER**  
Mithouse Engineering  
333 S. Wabash Avenue, Suite 2901  
Chicago, IL 60604
- LANDSCAPE ARCHITECT**  
TGDA Landscape Architecture  
3233 W. Le Moynes Street, #1  
Chicago, IL 60651
- FOOD SERVICE CONSULTANT**  
S20 Consultants  
530 N. Wood Street, #C  
Chicago, IL 60622

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PBC Contract No: 10030  
Project No: H-93  
Title  
**FIRST FLOOR MECHANICAL PLAN**  
Sheet  
**M1.01**



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



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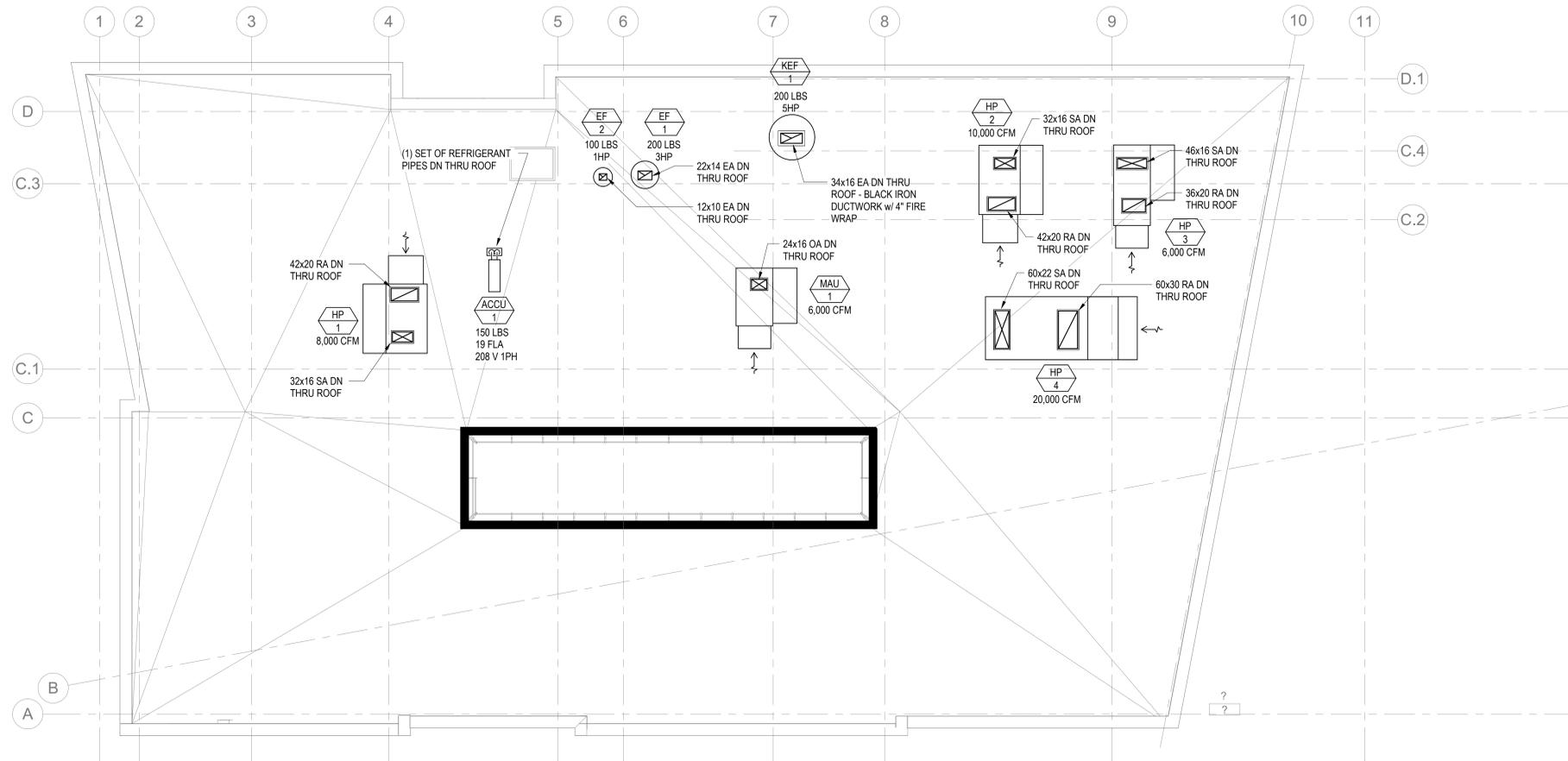
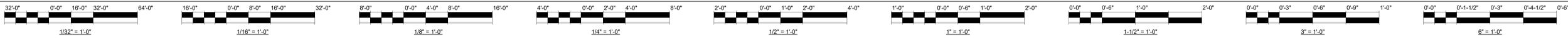
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WEB: WWW.RADA-ARCH.COM

ARCHITECT OF RECORD:

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Mithouse Engineering  
333 S. Wabash Avenue, Suite 2901  
Chicago, IL 60604
- STRUCTURAL ENGINEER**  
Mithouse Engineering  
333 S. Wabash Avenue, Suite 2901  
Chicago, IL 60604
- CIVIL ENGINEER**  
Mithouse Engineering  
333 S. Wabash Avenue, Suite 2901  
Chicago, IL 60604
- LANDSCAPE ARCHITECT**  
TGDA Landscape Architecture  
3233 W. Le Moynes Street, #1  
Chicago, IL 60651
- FOOD SERVICE CONSULTANT**  
S20 Consultants  
530 N. Wood Street, #C  
Chicago, IL 60622

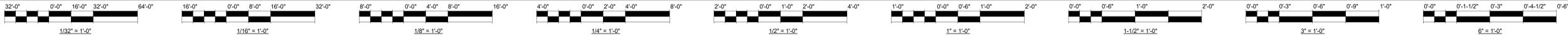
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PBC Contract No: 10030  
Project No: H-93  
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**SECOND FLOOR MECHANICAL PLAN**  
Sheet  
**M1.02**



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

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RECEPTACLES	
	SINGLE RECEPTACLE
	DUPLEX RECEPTACLE
	DOUBLE DUPLEX RECEPTACLE
	DUPLEX RECEPTACLE ON SEPARATE CIRCUIT
	DUPLEX RECEPTACLE MOUNTED ABOVE COUNTER
	DUPLEX RECEPTACLE WITH HALF SWITCHED OUTLET
	SPECIAL RECEPTACLE - REFER TO PLANS FOR NEMA TYPE
	DUPLEX RECEPTACLE - FLUSH MOUNTED AND FLOOR BOX
	CLOCK RECEPTACLE
	CEILING MOUNTED RECEPTACLE
	WALL MOUNTED OUTLET WITH FLEXIBLE CONNECTION TO FURNITURE SYSTEM OR EQUIPMENT CONNECTION
	FLOOR BOX OUTLET WITH FLEXIBLE CONNECTION TO FURNITURE SYSTEM OR EQUIPMENT CONNECTION
	POKE THROUGH OUTLET WITH FLEXIBLE CONNECTION TO FURNITURE SYSTEM OR EQUIPMENT CONNECTION
	UNDERFLOOR DUCT OUTLET INCLUDING SYSTEM ACTIVATION OF CELL OR DUCT WITH FLEXIBLE CONNECTION TO FURNITURE SYSTEM OR EQUIPMENT CONNECTION
	ELECTRIC WATER COOLER

RECEPTACLE NOTES:

- 'IG' DENOTES ISOLATED GROUND
- 'GFT' DENOTES GROUND FAULT INTERRUPTER
- 'AFCT' DENOTES ARC FAULT CURRENT INTERRUPTER
- 'WP' DENOTES WHILE IN USE WEATHERPROOF COVER
- 'TR' DENOTES TAMPER RESISTANT
- 'SC' DENOTES SEPARATE CIRCUIT

OCCUPANCY SENSOR SYSTEM	
	WALL SWITCH VACANCY SENSOR (DUAL TECHNOLOGY): 'PI' DENOTES PASSIVE INFRARED ONLY TYPE 'OS' DENOTES OCCUPANCY SENSOR 'PC' DENOTES DUAL TECHNOLOGY WITH PHOTOCELL
	CEILING MOUNTED DUAL TECHNOLOGY 360° VACANCY SENSOR AND POWER PACK(S). '2P' DENOTES 2-POLE 'PIR' DENOTES PASSIVE INFRARED ONLY 'US' DENOTES ULTRASONIC ONLY 'PC' DENOTES DUAL TECHNOLOGY WITH PHOTOCELL
	CEILING MOUNTED DUAL TECHNOLOGY 360° OCCUPANCY SENSOR AND POWER PACK(S). '2P' DENOTES 2-POLE 'PIR' DENOTES PASSIVE INFRARED ONLY 'US' DENOTES ULTRASONIC ONLY 'PC' DENOTES DUAL TECHNOLOGY WITH PHOTOCELL
	WIDE ANGLE OCCUPANCY SENSOR
	DAYLIGHT SENSOR WITH POWER PACK AS REQUIRED

DISTRIBUTION EQUIPMENT	
	NAMING CONVENTION: 1ST GROUP OF CHARACTERS CODED AS FOLLOWS:  DENOTES THE LEVEL ON WHICH THE PANEL IS LOCATED  IF MORE THAN ONE LETTER IS SHOWN, THE FIRST LETTER DENOTES THE BUILDING IN WHICH THE PANEL IS LOCATED  2ND GROUP OF CHARACTERS CODED AS FOLLOWS:
	'ATS' AUTOMATIC TRANSFER SWITCH
	'B' BASE BUILDING
	'C' CRITICAL
	'D' DISTRIBUTION
	'E' EMERGENCY
	'HP' HEATING
	'HV' 480V/277V
	'ISO' ISOLATION
	'K' KITCHEN
	'L' LIGHTING
	'LV' 208Y/120V
	'LVSG' LOW VOLTAGE SWITCHGEAR
	'LS' LIFE SAFETY
	'M' MECHANICAL
	'MCC' MOTOR CONTROL CENTER
	'MVG' MEDIUM VOLTAGE SWITCHGEAR
	'P' POWER PANEL
	'PDU' POWER DISTRIBUTION UNIT
	'R' RECEPTACLE
	'RPP' REMOTE POWER PANEL
	'STS' STATIC TRANSFER SWITCH
	'SWG' SWITCHGEAR
	'SWBD' SWITCHBOARD
	'T' TRANSFORMER
	'TC' TERMINAL CABINET
	'UPS' UNINTERRUPTIBLE POWER SUPPLY
	'US' UNIT SUBSTATION
COMBINATION OF LETTERS IS ALLOWED 3RD NUMBER DENOTES:	
	'#' NUMBER DENOTES NUMBER FOR THAT PARTICULAR TYPE AND FLOOR
	'#A' NUMBER DENOTES NUMBER FOR THAT PARTICULAR TYPE AND FLOOR, LETTER DENOTES UTILITY SUBSTATION SOURCE
	'#M' LETTER DENOTES CORE CLOSET NUMBER, NUMBER DENOTES NUMBER FOR THAT PARTICULAR TYPE AND FLOOR

SWITCHES	
	SINGLE POLE SWITCH THE NUMBER '1' DENOTES CIRCUIT NUMBER AND THE LETTER 'S' SWITCH CONTROL 'WP' DENOTES WEATHERPROOF
	THREE WAY SWITCH
	FOUR WAY SWITCH
	KEY OPERATED SWITCH
	SWITCH WITH PILOT LIGHT
	MOMENTARY CONTACT SWITCH
	MANUAL ON FOR VACANCY SENSOR
	LIGHTING CONTROL STATION 'XXX' IS UNIQUE IDENTIFIER REFER TO SCHEDULE
	DIMMER SWITCH WATTAGE AS NECESSARY 'VS' INDICATES INTEGRAL MANUAL ON FOR VACANCY SENSOR ASSOCIATED WITH DIMMER
	EMERGENCY - SHROUDED TYPE REMOTE CONTROL 'OFF' PUSHBUTTON (EPD)
	DOOR JAMB LIGHT SWITCH, EDWARDS #502A OR EQUIVALENT
	ENERGY MONITORING DEVICE WITH MODBUS/BACNET CAPABILITIES

RACEWAYS AND WIREWAYS	
	PULL BOX OR TAP JUNCTION BOX FOR FEEDERS
	JUNCTION BOX
	JUNCTION BOX - WALL MOUNTED
	JUNCTION BOX WITH FLEXIBLE CONNECTION

EXIT SIGN SCHEDULE				
SHADED QUADRANTS ON SYMBOL INDICATE FACE ORIENTATION				
SINGLE FACE			DOUBLE FACE	
No.	DESCRIPTION	SYMBOL	No.	DESCRIPTION
1	FIRE ESCAPE		16	FIRE ESCAPE
2	STAIRS		17	STAIRS
3	EXIT		18	EXIT
4	FIRE ESCAPE		19	FIRE ESCAPE
5	STAIRS		20	STAIRS
6	EXIT		21	EXIT
7	FIRE ESCAPE		22	FIRE ESCAPE
8	STAIRS		23	STAIRS
9	EXIT		24	EXIT
10	FIRE ESCAPE			
11	STAIRS			
12	EXIT			

HEATING EQUIPMENT	
	ELECTRIC UNIT HEATER WITH BUILT IN THERMOSTAT. WALL OR CEILING MOUNTED.
	CABINET UNIT HEATER WITH BUILT IN DISCONNECT SWITCH AND THERMOSTAT
	BASEBOARD HEATER WITH BUILT IN THERMOSTAT. LENGTH AS INDICATED ON PLAN. SEE MECHANICAL & ELECTRICAL EQUIPMENT SCHEDULES FOR KW OR WATTAGE PER LINEAR FOOT.
	ELECTRIC DUCT HEATER
	FAN POWERED BOX
	EXHAUST FAN - REFER TO SCHEDULES FOR HORSEPOWER AND VOLTAGE
	ELECTRIC WATER HEATER - REFER TO SCHEDULES FOR WATTAGE AND VOLTAGE
	HEAT TRACE

LUMINAIRES		
CEILING	WALL	NORMAL
		1x4 LIGHTING FIXTURE
		2x4 LIGHTING FIXTURE
		2x2 LIGHTING FIXTURE
		STRIP LIGHT
		FLOODLIGHT
		ADJUSTABLE LUMINAIRE, ARROW DENOTES AIMING ORIENTATION
		RECESSED WALLWASHER LUMINAIRE
		RECESSED DOWNLIGHT LUMINAIRE

EMERGENCY		
		1x4 LIGHTING FIXTURE WIRED TO EMERGENCY LIGHTING SYSTEM
		2x2 LIGHTING FIXTURE WIRED TO EMERGENCY LIGHTING SYSTEM
		2x4 LIGHTING FIXTURE WIRED TO EMERGENCY LIGHTING SYSTEM
		STRIP LIGHT WIRED TO EMERGENCY LIGHTING SYSTEM
		DOWNLIGHT WIRED TO EMERGENCY LIGHTING SYSTEM

CRITICAL		
		1x4 LIGHTING FIXTURE WIRED TO CRITICAL SYSTEM
		2x2 LIGHTING FIXTURE WIRED TO CRITICAL SYSTEM
		2x4 LIGHTING FIXTURE WIRED TO CRITICAL SYSTEM
		DOWNLIGHT WIRED TO CRITICAL SYSTEM

LUMINAIRE NOTES:

- 'F1' DENOTES FIXTURE TYPE, REFER TO LIGHTING FIXTURE SCHEDULE FOR DESCRIPTION AND MOUNTING.
- '3a' '3' DENOTES THE CIRCUIT NUMBER AND 'a' DENOTES SWITCH CONTROL.
- 'EM1' 'EM' DENOTES A LIGHT FIXTURE WIRED TO THE EMERGENCY SYSTEM.
- 'C3a' 'C' DENOTES A LIGHT FIXTURE WIRED TO THE CRITICAL SYSTEM.
- 'DM' DIMMING BALLAST OR DRIVER

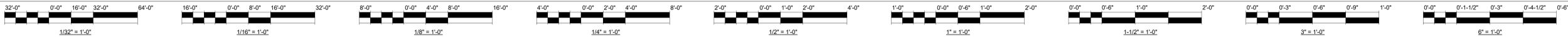
MOTORS AND CONTROLS	
	MOTOR, REFER TO EQUIPMENT SCHEDULE FOR HORSEPOWER, DESCRIPTION, WIRING AND PANEL FED FROM
	MOTOR OPERATED DAMPER REFER TO EQUIPMENT SCHEDULE FOR HORSEPOWER, DESCRIPTION, WIRING AND PANEL FED FROM
	VARIABLE FREQUENCY CONTROLLER WITH RATING AS INDICATED (ALSO 'VFD')
	CONTACTOR WITH ENCLOSURE RATING AS INDICATED
	COMBINATION CONTACTOR WITH DISCONNECT SWITCH
	CIRCUIT BREAKER WITH ENCLOSURE RATING AS INDICATED
	NON-FUSED DISCONNECT SWITCH, RATING AS INDICATED
	FUSIBLE DISCONNECT, RATING AS INDICATED
	MOTOR CONTROLLER
	COMBINATION MOTOR CONTROLLER AND DISCONNECT SWITCH WITH OVERCURRENT PROTECTION
	LOCK-OUT SWITCH
	PUSH BUTTON CONTROL STATION. 'P' DENOTES STATION WITH PILOT LIGHT
	EQUIPMENT IDENTIFICATION - SEE EQUIPMENT SCHEDULE
	SINGLE POLE MANUAL STARTER WITH THERMAL OVERLOAD PROTECTION FOR FRACTIONAL SINGLE PHASE MOTORS. 'P' DENOTES PILOT LIGHT. '2' DENOTES DOUBLE POLE, AND 'T' DENOTES THERMAL OVERLOAD

ONE-LINE ELECTRICAL DIAGRAM	
	INCOMING LINE
	POLY PHASE TRANSFORMER
	3 PHASE, DELTA, UNGROUNDED
	3 PHASE, DELTA, CORNER-GROUNDED
	3 PHASE, DELTA, MIDPOINT-GROUNDED
	3 PHASE WYE OR STAR UNGROUNDED
	3 PHASE WYE, GROUNDED NEUTRAL
	POTENTIAL TRANSFORMER
	CURRENT TRANSFORMER
	GROUND
	MEDIUM VOLTAGE POWER CIRCUIT BREAKER
	LOW VOLTAGE DRAW-OUT CIRCUIT BREAKER
	CIRCUIT BREAKER (3-POLE, UNO) <b>CIRCUIT BREAKER TRIP UNIT FEATURES:</b> 'L' ADJUSTABLE LONG TIME DELAY & ADJUSTABLE LONG TIME PICKUP 'S' ADJUSTABLE SHORT TIME DELAY & ADJUSTABLE SHORT TIME PICKUP 'I' ADJUSTABLE INSTANTANEOUS 'G' ADJUSTABLE GROUND FAULT DELAY & ADJUSTABLE GROUND FAULT PICKUP 'A' GROUND FAULT ALARM ONLY 'Z' ZONE SELECTIVE INTERLOCKING 'ST' SHUNT TRIP '100R' 100% RATED 'N.O.' NORMALLY OPEN 'N.C.' NORMALLY CLOSED
	NETWORK PROTECTOR
	NORMALLY OPEN CONTROL CONTACT
	NORMALLY CLOSED CONTROL CONTACT
	SINGLE THROW SWITCH
	DOUBLE THROW SWITCH
	AUTOMATIC TRANSFER SWITCH
	MEDIUM VOLTAGE FUSED CUTOFF
	FUSE
	FUSIBLE ELEMENT
	SURGE ARRESTOR
	SURGE PROTECTION DEVICE (FORMERLY TVSS)
	CABLE TERMINATION
	POT HEAD
	STRESS CONE
	SELECTOR SWITCH
	AMMETER
	AMMETER SWITCH
	VOLTMETER
	VOLTMETER SWITCH
	BASIC RELAY SYMBOL
	GENERATOR
	BATTERY
	WATT-HOUR METER
	VARIETER
	UTILITY METER METER
	MICROPROCESSOR METERING DEVICE
	MICROPROCESSOR MOTOR PROTECTION DEVICE
	THERMAL OVERLOAD
	SHUNT TRIP
	KEY INTERLOCK DEVICE, NUMBER DENOTES POSITION
	MOTOR, NUMBER DENOTES HORSEPOWER
	3-PHASE CAPACITOR BANK
	STATIC TRANSFER SWITCH
	DRAWOUT ELEMENT

ABBREVIATIONS AND DEFINITIONS	
AFCI	ARC FAULT CIRCUIT INTERRUPTER
AFF	ABOVE FINISHED FLOOR
ATS	AUTOMATIC TRANSFER SWITCH
BB	BASEBOARD HEATER
BPS	BOLTED PRESSURE SWITCH
BFP	BLOWN FUSE PROTECTION
CB	CIRCUIT BREAKER
CCT	CIRCUIT
CO	CONDUIT ONLY
CPT	CONTROL POWER TRANSFORMER
CT	CURRENT TRANSFORMER
CR	CARD READER
CUH	CABINET UNIT HEATER
DISC	DISCONNECT
DN	DOWN
DPOT	DOUBLE POLE DOUBLE THROW
DPST	DOUBLE POLE SINGLE THROW
EM	EMERGENCY
EPO	EMERGENCY POWER OFF
EQPT	EQUIPMENT
EUH	ELECTRIC UNIT HEATER
EWC	ELECTRIC WATER COOLER
FA	FIRE ALARM
FCU	FAN COOL UNIT
FFB	FAN POWERED BOX
FFC	FORCED FLOW CONNECTOR
GFI	GROUND FAULT INTERRUPTER
GFCI	GROUND FAULT CURRENT INTERRUPTER
GRD	GROUND
HID	HIGH INTENSITY DISCHARGE
HOA	HAND OFF AUTOMATIC (SELECTOR)
HP	HORSEPOWER
JB	JUNCTION BOX
IG	ISOLATED GROUND
INC	INCANDESCENT
KV	KILOVOLT
KW	KILOWATT
KVA	KILOVOLT AMP
LED	LIGHT EMITTING DIODE
LTS	LIGHTING
M	METER FITTING
MCB	MAIN CIRCUIT BREAKER
MCP	MOTOR CIRCUIT PROTECTOR
MLO	MAIN LUGS ONLY
MS	MAIN SWITCH
MTD	MOUNTED
MV	MEDIUM VOLTAGE
NC	NORMALLY CLOSED (CONTACTS)
NF	NON-FUSED DISCONNECT
NIC	NOT IN CONTRACT
NO	NORMALLY OPEN (CONTACTS)
NTS	NOT TO SCALE
PFC	POWER FACTOR CORRECTION
PNL	PANEL
PT	PRIMARY
PRI	POTENTIAL TRANSFORMER
RCP	REFLECTED CEILING PLUN
RMC	RIGID METAL CONDUIT
SEC	SECONDARY
SPD	SURGE PROTECTION DEVICE (TVSS)
SPDT	SINGLE POLE DOUBLE THROW
ST	SHUNT TRIP
SW	SWITCH
TEL	TELEPHONE
TR	TAMPER RESISTANT
UH	UNIT HEATER
UNO	UNLESS NOTED OTHERWISE
UPS	UNINTERRUPTIBLE POWER SUPPLY
VPR	VAPOR PROOF (ENCLOSED AND GASKETED)
WP	WEATHERPROOF (NEMA-3R OUTDOOR, NEMA-4 IN PLENUMS)
WH	WATER HEATER
WT	WATERTIGHT (NEMA-4)
XFMR	TRANSFORMER
XP	EXPLOSION PROOF
VCB	VACUUM CIRCUIT BREAKER
VFC	VARIABLE FREQUENCY CONTROLLER
VFD	VARIABLE FREQUENCY DRIVE

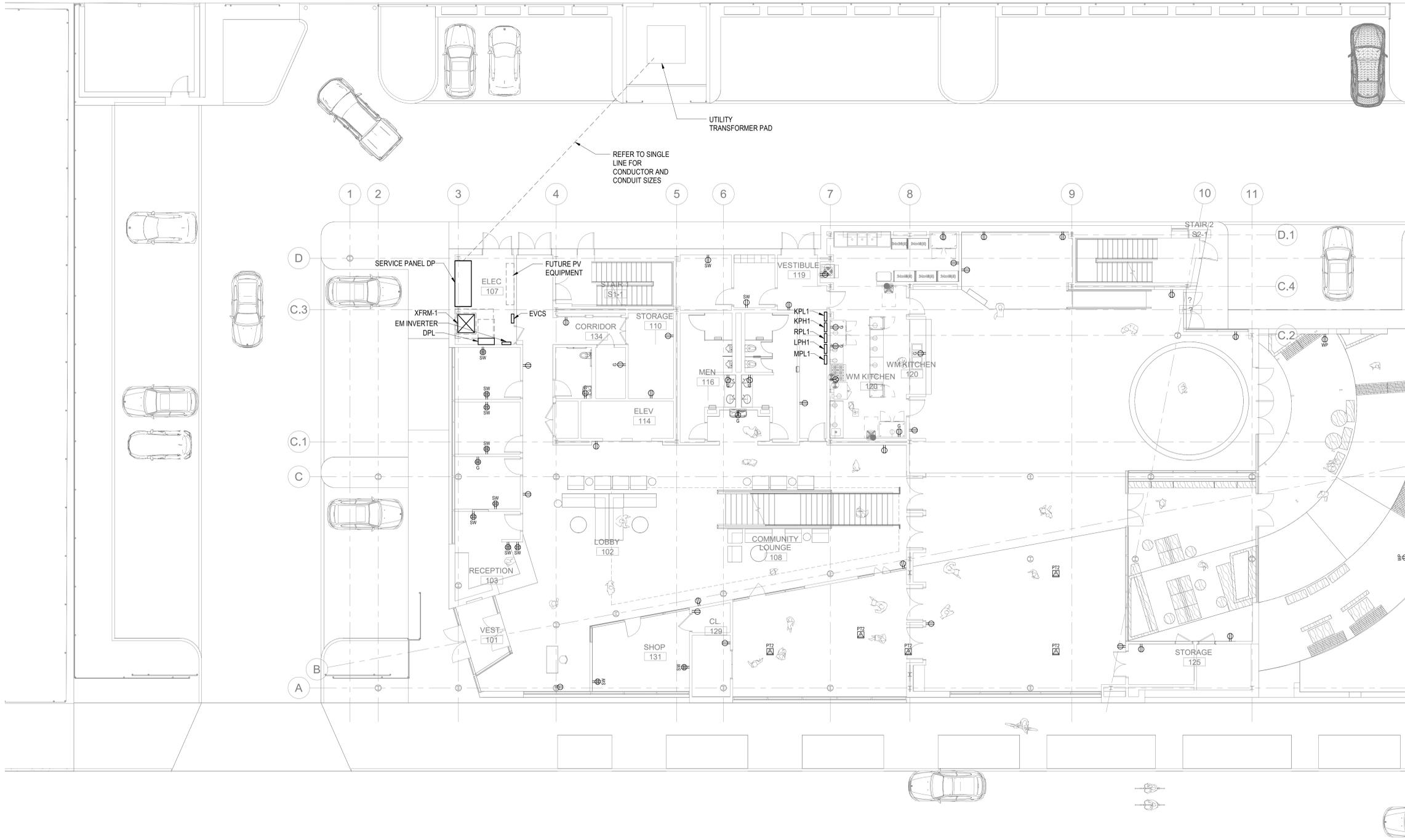
REFERENCE SYMBOLS	
TYPE 	RISER DESIGNATION
NUM.	
TYPE 	EQUIPMENT IDENTIFICATION
LOC.	
NUM.	
	MATCHLINE
	DETAIL / ENLARGED PLAN CALLOUT
	DETAIL / SECTION ELEVATION
	INTERIOR ELEVATION
NOMENCLATURE:	
	ELEVATION / DETAIL DESIGNATION
	SHEET REFERENCE NUMBER

- GENERAL NOTES:
- PROVIDE LABOR, MATERIALS, EQUIPMENT AND SERVICES FOR THE COMPLETION OF ELECTRICAL SYSTEMS AS SHOWN ON THESE DRAWINGS, NARRATIVE AND AS REQUIRED BY THE LATEST EDITION OF THE CHICAGO ELECTRICAL CODE, CURRENTLY ADOPTED CHICAGO ENERGY CODE, STATE AND LOCAL CODES, AND OSHA REGULATIONS. THE CONTRACTOR SHALL PAY ALL FEES; AND OBTAIN ALL CERTIFICATES AND INSPECTIONS.
  - NON-COMPLIANCE: SHOULD THE CONTRACTOR PERFORM ANY WORK THAT DOES NOT COMPLY WITH THE REQUIREMENTS OF APPLICABLE BUILDING CODES, STATE LAWS, LOCAL ORDINANCES, INDUSTRY STANDARDS, AND UTILITY COMPANY REGULATIONS, THE CONTRACTOR SHALL BEAR ALL COSTS ARISING CORRECTING THE DEFICIENCIES.
  - IN CASE OF DIFFERENCE BETWEEN BUILDING CODES, STATE LAWS, LOCAL ORDINANCES, INDUSTRY STANDARDS, UTILITY COMPANY REGULATIONS, THESE SPECIFICATIONS AND THE CONTRACT DRAWINGS, THE MOST STRINGENT SHALL GOVERN. THE CONTRACTOR SHALL PROMPTLY NOTIFY THE OWNER IN WRITING OF ANY SUCH DIFFERENCE.
  - ALL EQUIPMENT SHALL BE NEW AND UNUSED; AND SHALL BE "UL" LISTED AND BEAR THE "UL" LABEL.
  - ALL EQUIPMENT SHALL BE INSTALLED IN A NEAT AND WORKMANLIKE MANNER. ALL MATERIALS SHALL BE OF THE BEST QUALITY FOR PURPOSE INTENDED. TRADE NAMES AND CATALOG NUMBERS ARE INTENDED TO INDICATE THIS QUALITY AND GRADE. OBTAIN WRITTEN APPROVAL FROM THE OWNER FOR ANY SUBSTITUTIONS MADE AFTER ACCEPTANCE OF SUBMITTAL FOR ANY ITEM.
  - PRIOR TO SUBMISSION OF BID, THE CONTRACTOR SHALL VISIT THE JOB SITE TO ASCERTAIN ACTUAL FIELD CONDITIONS AS THEY RELATE TO THE WORK IN THESE SPECIFICATIONS. ANY DISCREPANCIES SHALL BE BROUGHT TO ATTENTION OF THE ARCHITECT AND/OR ENGINEER AT THIS TIME. ALL ITEMS NOT RESOLVED PRIOR TO BID SHALL BE INCLUDED AS WRITTEN QUALIFICATIONS TO THE BID DOCUMENT. SUBMISSION OF BID SHALL BE EVIDENCE THAT VERIFICATION OF THE JOB SITE HAS BEEN PERFORMED.
  - THE GENERAL CONTRACTOR SHALL PERFORM ALL CUTTING, CORE DRILLING, SLAB PENETRATIONS, TRENCHING, ETC. NECESSARY FOR PROPER INSTALLATION OF ELECTRICAL WORK. THE CONTRACTOR SHALL COORDINATE WITH THE GENERAL CONTRACTOR AS REQUIRED TO INCLUDE ALL WORK IN THE BID SUBMISSION.
  - WHERE FLOOR PENETRATIONS ARE REQUIRED, FLOOR SLABS SHALL BE X-RAYED PRIOR TO THE START OF ANY WORK. COORDINATE SCHEDULING OF THIS WORK WITH THE ARCHITECT AND BUILDING MANAGEMENT.
    - ALL LOCATIONS SHALL BE FIELD COORDINATED WITH THE ARCHITECT AND/OR BUILDING MANAGEMENT; AND SHALL BE APPROVED BY THE BUILDING STRUCTURAL ENGINEER PRIOR TO START OF WORK.
    - COORDINATE WITH THE BUILDING MANAGEMENT TO ENSURE INTEGRITY OF FLOOR SLABS IS MAINTAINED. PROVIDE ALL STRUCTURAL SUPPORTS AS DIRECTED BY THE BUILDING STRUCTURAL ENGINEER IF REQUIRED.
  - OPENINGS AROUND ELECTRICAL PENETRATIONS THROUGH FIRE RESISTANCE RATED WALLS, PARTITIONS, FLOORS OR CEILINGS SHALL BE FIRE STOPPED USING APPROVED METHODS. ACCEPTABLE MANUFACTURERS ARE HILTI AND 3M BUT MATERIAL MUST BE APPROVED BY THE LOCAL AUTHORITY HAVING JURISDICTION.
  - THE CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING ALL ELECTRICAL INSTALLATIONS THAT ARE WITHIN CLOSE PROXIMITY OF OTHER TRADES. CONDUIT SHALL BE INSTALLED AS HIGH AS POSSIBLE ABOVE FINISHED CEILING TO AVOID CONFLICTS WITH OTHER TRADES. ALL WORK SHALL BE COORDINATED WITH OTHER TRADES.
  - THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING ALL TEMPORARY LIGHTING AND POWER DURING CONSTRUCTION.
  - COVER LIGHT FIXTURES, EQUIPMENT, APPARATUS, ETC. TO PROTECT AGAINST CHEMICAL, WATER, DIRT OR MECHANICAL DAMAGE BEFORE AND DURING THE CONSTRUCTION PERIOD UNTIL THE FINAL ACCEPTANCE. ALL EQUIPMENT SHALL BE DELIVERED, PROPERLY PACKED AND STORED AT THE JOB SITE UNTIL FINAL INSTALLATION.
  - THE CONTRACTOR SHALL REPAIR ANY DAMAGE DONE BY HIMSELF OR HIS WORKMEN. RESTORE TO ORIGINAL CONDITION ANY APPARATUS, EQUIPMENT OR SURFACE DAMAGED UNDER THIS SCOPE OF WORK PRIOR TO FINAL ACCEPTANCE, INCLUDING RESTORATION OF DAMAGES TO SHOP COATS OF PAINT.
  - THE DRAWINGS FOR ELECTRICAL WORK UTILIZE SYMBOLS AND SCHEMATIC DIAGRAMS WHICH HAVE NO DIMENSIONAL SIGNIFICANCE. THE WORK SHALL BE INSTALLED TO FULFILL THE DIAGRAMMATICAL INTENT EXPRESSED ON THE DRAWINGS AND IN CONFORMITY WITH DIMENSIONS INDICATED ON FINAL WORKING DRAWINGS, FIELD LAYOUTS AND SHOP DRAWINGS FROM ALL TRADES.
  - PROVIDE TO THE OWNER, A COMPLETE SET OF REPRODUCIBLE AS-BUILT DRAWINGS ON AUTOCAD CLEARLY INDICATING ANY DEVIATIONS FROM THE DESIGN AS SHOWN ON THE DRAWINGS.
  - PROVIDE TO THE OWNER FOUR (4) COPIES OF THE OPERATING AND MAINTENANCE MANUALS WITH CATALOG INFORMATION ON ELECTRICAL EQUIPMENT INCLUDING, BUT NOT LIMITED TO: TRANSFORMERS, SWITCHBOARDS, PANELBOARDS, GENERATORS, UPS SYSTEMS, TRANSFER SWITCHES, LIGHTING CONTROL SYSTEMS, COMMUNICATION SYSTEMS, SECURITY SYSTEMS AND FIRE ALARM SYSTEMS.
  - SHOP DRAWINGS AND OTHER INFORMATION REQUIRED: PRIOR TO PURCHASING ANY EQUIPMENT OR MATERIALS, A MANUFACTURER'S LIST SHALL BE SUBMITTED FOR REVIEW. PRIOR TO ASSEMBLING OR INSTALLING THE WORK, THE FOLLOWING SHALL BE SUBMITTED FOR REVIEW:
    - CATALOG INFORMATION SHEETS, FACTORY ASSEMBLY



**SHEET NOTES:**

1. VERIFY ALL DEVICE LOCATIONS, MOUNTING HEIGHT AND COLOR WITH ARCHITECTURAL AND FURNITURE PLANS PRIOR TO ROUGH-IN.
2. CONTRACTOR TO FIELD COORDINATE EXACT CONDUIT ROUTING WITH OTHER TRADES. DO NOT EXCEED 360 DEGREE BENDING.
3. GFCI PROTECTED RECEPTACLES SHALL BE PROVIDED FOR THE FOLLOWING AREAS BUT NOT LIMITED TO: BATHROOMS, KITCHEN/BUFFET SERVING AND AREAS WITH SINKS AND PERMANENT PROVISIONS FOR FOOD OR BEVERAGE PREPARATION OR COOKING, ROOFTOPS, OUTDOORS, WITHING 6FT OF SINKS, INDOOR DAMP OR WET LOCATIONS, LOCKER ROOMS, LAUNDRY AREAS, ETC.
4. PROVIDE A READILY ACCESSIBLE LOCAL DISCONNECT SWITCH FOR ALL FCU, CUH, AHU, WH, RP AND ANY OTHER ELECTRICAL MECHANICAL OR PLUMBING EQUIPMENT. FIELD VERIFY WHETHER EACH UNIT IS SUPPLIED WITH A FACTORY-INSTALLED DISCONNECT; IF NOT, FURNISH AND INSTALL A LOCAL DISCONNECT AS REQUIRED.
5. SPLIT CONTROLLED RECEPTACLES SHALL BE PROVIDED IN ENCLOSED OFFICES, CONFERENCE ROOMS, ROOMS USED PRIMARILY FOR COPY OR PRINT FUNCTIONS, BREAKROOMS, CLASSROOMS AND INDIVIDUAL WORKSTATIONS, INCLUDING THOSE INSTALLED IN MODULAR PARTITIONS AND MODULE OFFICE WORKSTATION SYSTEMS.
6. PENETRATIONS BELOW GRADE LEVEL SHALL BE WATERTIGHT. PENETRATIONS AT EXTERIOR WALLS, GRADE BEAMS, AND SLABS ON GRADE SHALL BE WEATHERPROOF.
7. CONDUIT PENETRATIONS SHALL BE RATED TO EQUAL ARCHITECTURAL WALLS, FLOOR AND CEILING RATING BY UL LISTED ASSEMBLY.
8. FIRE SEAL ALL PENETRATIONS THROUGH FIRE RATED WALLS. FIRE SEAL ALL FLOOR PENETRATIONS.
9. PROVIDE CONCRETE PADS UNDER ALL FLOOR MOUNTED ELECTRICAL EQUIPMENT.
10. PROVIDE AV POWER, PROJECTOR POWER AND SCREEN POWER. REVER TO AV DRAWINGS FOR ADDITIONAL REQUIREMENTS.
11. FIRE SEAL ALL PENETRATIONS THROUGH FIRE RATED WALLS. FIRE SEAL ALL FLOOR PENETRATIONS.
12. PROVIDE AND INSTALL FIRE ALARM CONTROL PANEL, ANNUNCIATOR(S), DETECTION AND INITIATION DEVICES (SMOKE, HEAT, PULL STATIONS), AND NOTIFICATION APPLIANCES (HORNS/STROBES) PER NFPA 72 AND CHICAGO LOCAL CODES. COORDINATE WITH OTHER TRADES FOR HVAC SHUTDOWN, ELEVATOR RECALL, AV SHUTDOWN AND OTHER LIFE SAFETY FUNCTIONS. DEVICE LOCATIONS, MOUNTING, AND INTEGRATION SUBJECT TO AHJ APPROVAL.
13. PROVIDE CONCRETE PADS UNDER ALL FLOOR MOUNTED ELECTRICAL EQUIPMENT.
14. PROVIDE AV POWER, PROJECTOR POWER AND SCREEN POWER. REVER TO AV DRAWINGS FOR ADDITIONAL REQUIREMENTS.
15. PROVIDE 120V FOR ELECTRIC HAND DRYERS. REFER TO THE ARCHITECTURAL PLANS FOR ADDITIONAL INFORMATION.
16. PROVIDE 120V POWER FOR HANDS FREE PLUMBING FIXTURES. REFER TO THE PLUMBING PLANS FOR ADDITIONAL INFORMATION.
17. REFER TO THE AV MEDIA DRAWINGS FOR POWER REQUIREMENTS FOR AV ROOMS. REFER TO COMMUNICATIONS DRAWINGS FOR POWER REQUIREMENTS AND TELE/DATA JACK LOCATIONS.
18. CONTRACTOR TO COORDINATE WITH ELEVATOR VENDOR, PROVIDE CONDUIT AS REQUIRED. FIELD COORDINATE LOCATION WITH AV TELECOMMUNICATION CONTRACTOR.
19. ELECTRICAL CONTRACTOR TO COORDINATE EXACT EQUIPMENT DIMENSION AND LOCATION PRIOR TO ORDERING.
20. REFER TO ELEVATOR DETAIL FOR ELEVATOR REQUIREMENTS.
21. COORDINATE FULL KITCHEN SHUTDOWN UPON FIRE ALARM ACTIVATION, PROVIDE SHUNT TRIP BREAKERS AS NEEDED.
22. PROVIDE EVSE-READY AND/OR EVSE-INSTALLED PARKING SPACES PER CHICAGO ENERGY CODE, ENSURING ADA ACCESSIBILITY, ADEQUATE ELECTRICAL CAPACITY (208/240V, 40A DEDICATED CIRCUITS), AND COMPLIANCE WITH CHICAGO ELECTRICAL CODES. INSTALL CONDUIT, WIRING, AND PANEL CAPACITY FOR FUTURE EXPANSION.



**1 LEVEL 1 POWER**  
SCALE: 1/8" = 1'-0"



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DESIGN ARCHITECT:



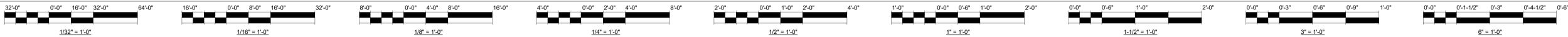
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CHICAGO, ILLINOIS 60601  
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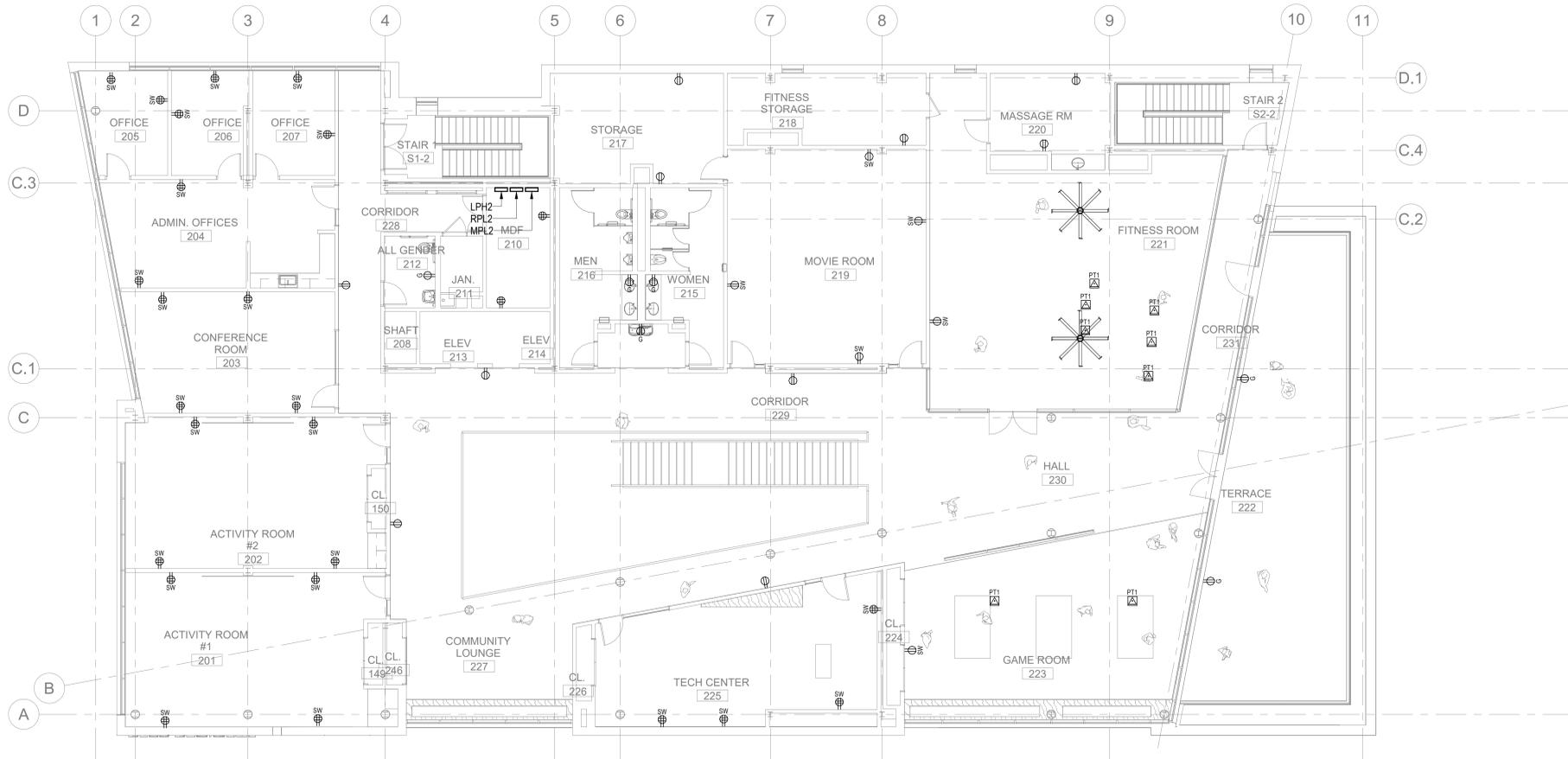
Issuance		
MARK	DESCRIPTION	DATE
1	50% SD	6/20/2025
2	100% SD	8/15/2025

PBC Project Name: DFSS BRONZVILLE REGIONAL SENIOR CENTER  
PBC Contract No: 10030  
Project No: H-93  
Title  
**LEVEL 1 POWER**



**SHEET NOTES:**

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**1 LEVEL 2 POWER**  
SCALE: 1/8" = 1'-0"



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DESIGN ARCHITECT:



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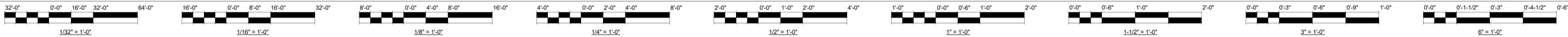
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Chicago, IL 60622

MARK	DESCRIPTION	DATE
1	50% SD	6/20/2025
2	100% SD	8/15/2025

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PBC Contract No: 10030  
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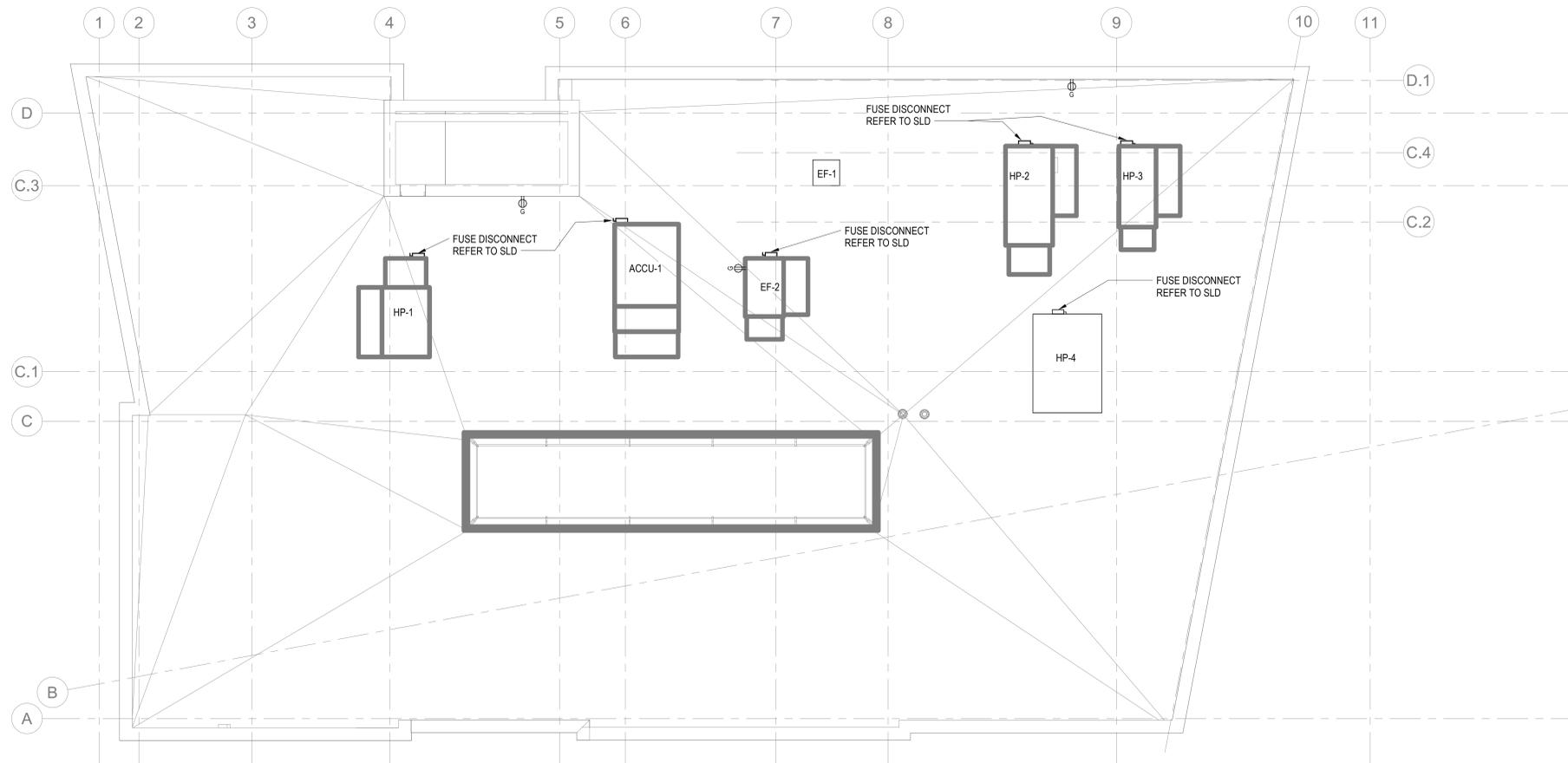
**LEVEL 2 POWER**

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SHEET NOTES:

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



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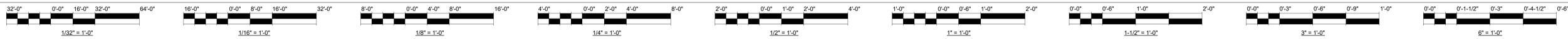


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 333 S. Wabash Avenue, Suite 2901  
 Chicago, IL 60604
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1	50% SD	6/20/2025
2	100% SD	8/15/2025

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 PBC Contract No: 10030  
 Project No: H-93  
 Title  
**ROOF - POWER PLAN**



GENERAL NOTES:

1. THE CONTRACTOR SHALL COORDINATE WITH THE UTILITY FOR THE NEW ELECTRICAL SERVICE.
2. ALL TRANSFORMERS SHALL BE HIGH EFFICIENCY MEETING LEEDS AND THE CHICAGO ENERGY CODE.
3. MAIN SWITCHBOARD ROOM WHICH SERVE THE BUILDING COMMON ELEMENT LOADS SHALL HAVE 3-HOUR FIRE RATING. ELECTRICAL ROOMS ON ALL FLOORS FOR SHALL HAVE 2-HOUR FIRE RATING. 14E-2-230.70(5) WHERE EQUIPMENT RATED 800A OR MORE THAT CONTAINS OVERCURRENT DEVICES, EQUIPPED PERSONNEL DOORS WITH LISTED PANIC HARDWARE AND DOOR SHALL OPEN IN THE DIRECTION OF EGRESS. 14E-1-110-26(C)(3).
4. ALL SWITCHBOARDS AND PANELBOARDS SUPPLIED BY A FEEDER SHALL BE MARKED TO INDICATE THE DEVICE OR EQUIPMENT WHERE THE POWER SUPPLY ORIGINATES.
5. SERVICE EQUIPMENT SHALL BE LEGIBLY MARKED IN THE FIELD WITH THE AVAILABLE FAULT CURRENT. THE MARKINGS SHALL INCLUDE THE DATE THE FAULT-CURRENT CALCULATION WAS PERFORMED. THE CALCULATION SHALL BE DOCUMENTED ON THE PLANS AND MADE AVAILABLE TO THOSE AUTHORIZED TO DESIGN, INSTALL, INSPECT, MAINTAIN OR OPERATE THE SYSTEM.
6. PROVIDE NON-UTILITY METERING PER CHICAGO ENERGY CODE, IECC, LEED AND CONNECT TO THE BUILDING AUTOMATION SYSTEM. THE METERS SHALL BE LOCATED IN THE MAIN SERVICES, DISTRIBUTION PANELS AND BRANCH PANELS. LIGHTING METERING SHALL BE SEPARATE FROM OTHER POWER LOADS. THE METERING SYSTEM SHALL BE CONNECTED TO THE BAS SYSTEM AND REPORT ALL LEED INFORMATION THROUGH A BAS DASHBOARD.
7. PROVIDE LIGHTING CONTROL SYSTEM PER CHICAGO ENERGY CODE, LEED AND CONNECT TO THE BUILDING AUTOMATION SYSTEM.
8. COORDINATE EXACT BREAKER SIZE FOR SPD WITH MANUFACTURER. SPD SHALL BE PROVIDED BY PANELBOARD MANUFACTURER.
9. PROVIDE SHUNT TRIP CIRCUIT FOR THE CIRCUITS FEEDING THE ELECTRICAL VEHICLE CHARGING STATIONS. PROVIDE A LOCAL EPO PUSHBUTTON FOR THE FIRE DEPARTMENT 'S USE TO TURN OFF THE EVC STATION AND LOCATE THE BUTTON AT THE FIRE ALARM ANNUNCIATOR.
10. PROVIDE A GROUNDING SYSTEM MEETING THE CITY OF CHICAGO ELECTRICAL CODE.

1 SINGLE LINE DIAGRAM  
SCALE: 1/8" = 1'-0"



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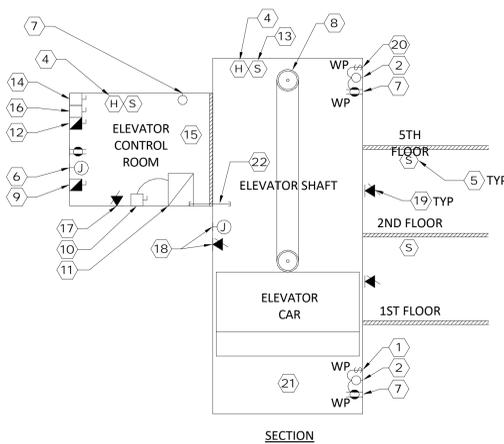
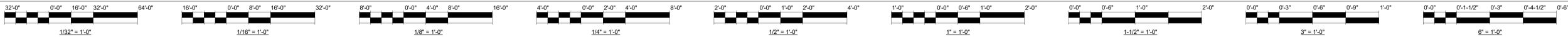


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**SINGLE LINE DIAGRAM**

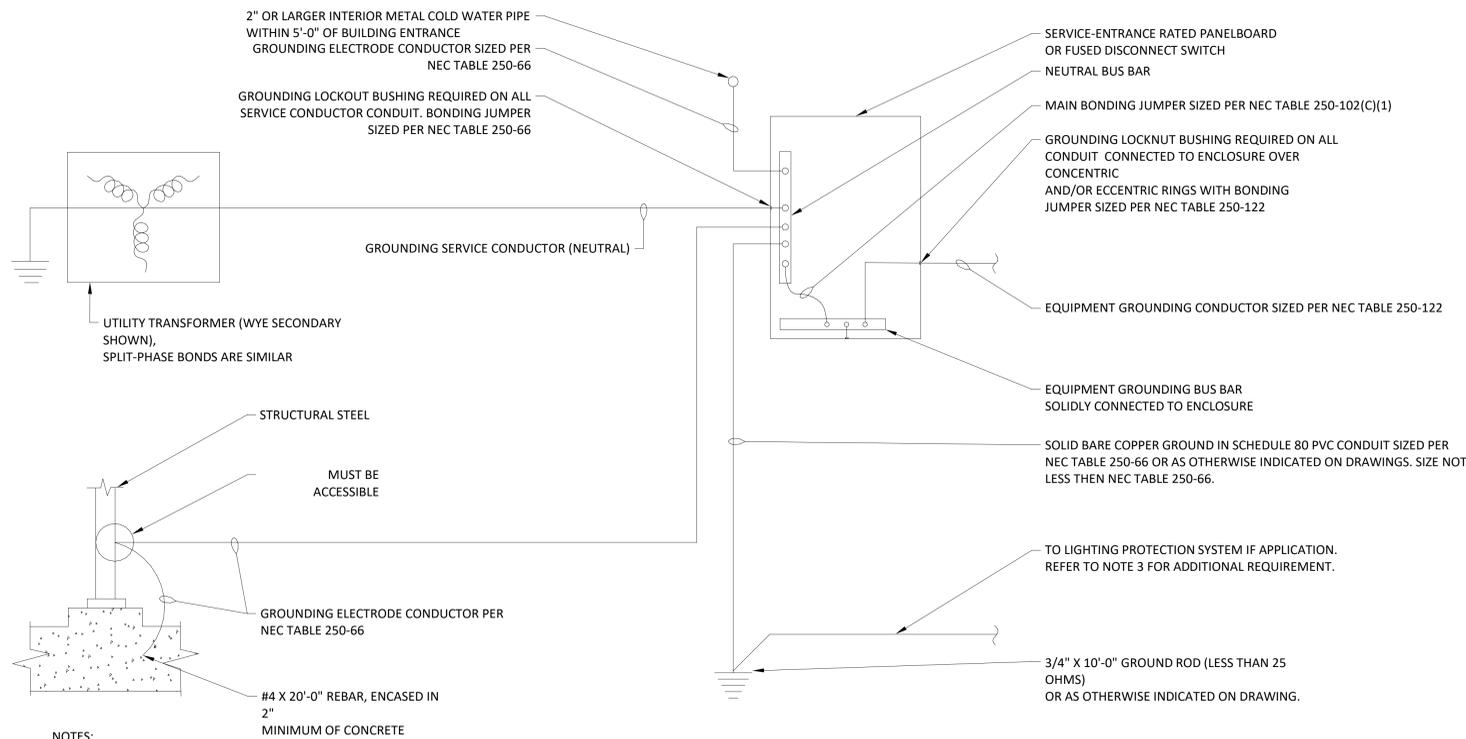


**DETAIL NOTES**

1. MOUNT WEATHERPROOF TOGGLE SWITCH FOR PIT LIGHTING CIRCUIT BY TOP OF PIT LADDER.
2. MOUNT LUMINAIRE ON THE ELEVATOR SHAFT WALL AT +24" ABOVE PIT FLOOR. AVOID LOCATION FIXTURE DIRECTLY BEHIND BEAMS OR STRUCTURE THAT WOULD BLOCK LIGHTING OR INTERFERE WITH ELEVATOR OPERATION. FURNISH AND INSTALL ONE LIGHT FIXTURE ON EACH SIDE OF THE ELEVATOR SHAFT. RECOMMENDED FIXTURE: LITHONIA CSVT-L48-4000LM-MVOLT-35K-80CRI.
3. MOUNT GFCI OUTLET FOR ELEVATOR PIT SUMP PUMP ON AREA OF PIT WALL CLOSE TO SUMP HOLE. PROVIDED DEDICATED CIRCUIT.
4. MOUNT 135 DEGREE FIXED TEMPERATURE HEAT DETECTOR TO WITHIN 24" OF EACH SPRINKLER HEAD IN ELEVATOR MACHINE ROOM AND HOISTWAY.
5. MOUNT SMOKE DETECTOR OR HEAT DETECTOR IN ELEVATOR LOBBY ON CEILING TO WITHIN 5' ON ELEVATOR DOOR.
6. MOUNT SHUNT TRIP POWER MODULE TO WITHIN 24" OF STRIKE SIDE OF DOOR TO ELEVATOR MACHINE ROOM.
7. PROVIDE DEDICATED CIRCUIT. ROUTE INCOMING CIRCUIT TO LUMINAIRES UPSTREAM OF GFCI RECEPTACLE IN BOTH MACHINE ROOM, ELEVATOR SHAFT, AND ELEVATOR PIT, PER NEC ARTICLES 620.23 AND 620.24.
8. ELEVATOR MOTORS; SEE SINGLE LINE DIAGRAM.
9. DISC. SW. W/FUSES PER MFR. RECOMMENDATIONS. SEE SINGLE LINE DIAGRAM.
10. DISC. SW. FOR ELEVATOR CONTROLS PER MANUFACTURER RECOMMENDATIONS.
11. ELEVATOR CONTROLLER.
12. DISCONNECT SWITCH FOR ELEVATOR CAR LIGHT, RECEPTACLES, AND HVAC (ELEVATOR CAR LOADS). PROVIDE SEPARATE DEDICATED CIRCUITS AND LOCKABLE CIRCUIT BREAKERS IN PANEL THAT FEEDS DISCONNECT SWITCH. PROVIDE A SIGN TO IDENTIFY THE LOCATION OF THE OVERCURRENT PROTECTIVE DEVICES. INDICATE CAR NUMBER AND TYPE OF LOAD NEXT TO EACH CIRCUIT BREAKER. REFER TO FLOOR PLAN AND SPECIFIC NAME OF PANEL.
13. PROVIDE HEAT AND SMOKE DETECTORS AT THE TOP OF EACH ELEVATOR SHAFT, WHEN SPRINKLED.
14. DISCONNECT SWITCH FOR REMOTE ELEVATOR MONITORING SYSTEM.
15. COORDINATE WALL MOUNTING SPACE FOR ALL ELECTRICAL EQUIPMENT WITH ELEVATOR SUPPLIERS/INSTALLER PRIOR TO ROUGH-IN.
16. DISCONNECT SWITCH FOR ELEVATOR MANAGEMENT SYSTEM.
17. PROVIDE DEDICATED PHONE LINE IN 3/4" C. TO TELEPHONE TERMINAL BOARD. LOCATE AT ELEVATOR CONTROLLER LOCATION.
18. LOCATE AT MID-SHAFT OR AS DIRECTED BY THE ELEVATOR CONTRACTOR FOR CAR POWER AND TELEPHONE.
19. CALL BOX. PROVIDED DEDICATED PHONE LINE IN 3/4" C. TO TELEPHONE TERMINAL BOARD FOR TWO WAY EMERGENCY COMMUNICATION. COORDINATE FINAL LOCATION WITH ARCHITECT.
20. MOUNT WEATHERPROOF TOGGLES SWITCH FOR SHAFT LIGHTING WITH REACH OF ELEVATOR HATCH WHEN CABIN IS AT TOP OF THE SHAFT.
21. ALL ELECTRICAL DEVICES LOCATED LESS THEN 48" ABOVE PIT FLOOR SHALL BE NEMA 4. CONDUIT FITTING SHALL BE COMPRESSION TYPE.
22. PROVIDE (2) 3"C. AND (1) 1"C. FROM ELEVATOR CONTROL ROOM TO ELEVATOR SHAFT PER MANUFACTURER REQUIREMENTS.

**1 ELEVATOR PIT AND CONTROL ROOM EQUIPMENT DETAIL**

E5.01 SCALE: NTS



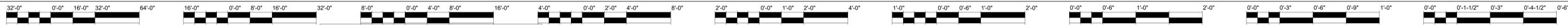
**NOTES:**

1. ALL SERVICE GROUNDING AND BONDING SHALL COMPLY WITH ARTICLE 250 OF THE 2018 OF CHICAGO ELECTRICAL CODE.
2. WHEN A VAPOR OR INSULATING BARRIER IS PRESENT AROUND THE FOOTING, ROUTE AT LEAST 20 FEET OF BARE #2AWG COPPER WIRE IN DIRECT CONTACT WITH THE EARTH BURIED AT LEAST 30 INCHES BELOW GRADE INSTEAD OF THE CONCRETE-ENCASED ELECTRODE. GROUND RING SHELL CONNECT DIRECTLY TO GROUNDING BAR ON SERVICE DISCONNECTING MEANS. AT LEAST ONE SUPPLEMENTAL GROUNDING ELECTRODE IN THE FORM OF 3/4" X 10'-0" COPPER CLAD GROUND ROD DRIVEN INTO THE EARTH SHALL ALSO BE USED. GROUNDING RODS SHALL BE DRIVEN AT LEAST 10 FEET AWAY FROM EACH OTHER. SECURE GROUND RING TO GROUND RODS. UPGRADE GROUND ROD CONDUCTORS TO #2AWG.
3. IF A LIGHTING PROTECTION SYSTEM IS INSTALLED, GROUND TO A DEDICATED 3/4" X 10'-0" COPPER CLAD GROUND ROD.

**2 ELECTRICAL SERVICE GROUND AND BONDING DETAIL**

E5.01 SCALE: NTS

MARK	DESCRIPTION	DATE
1	50% SD	6/20/2025
2	100% SD	8/15/2025



PLUMBING FIXTURE SYMBOLS	
	WC WATER CLOSET (WALL MOUNTED)
	WC WATER CLOSET (FLOOR MOUNTED)
	LAV LAVATORY (RECTANGULAR)
	LAV LAVATORY (OVAL)
	SH SHOWER TRAY
	UR URINAL
	JMB JANITOR SINK / MOP BASIN
	KS KITCHEN SINK
	SINK UTILITY SINK
	EWC ELECTRIC WATER COOLER
	DF DRINKING FOUNTAIN

EQUIPMENT SYMBOLS	
	FLOOR DRAIN
	AREA DRAIN
	FUNNEL FLOOR DRAIN
	TRENCH DRAIN
	ROOF DRAIN / BALCONY DRAIN
	DRAIN GRATE
	INLINE PUMP
	BASE MOUNTED PUMP
	HOSE BIB
	DECK HYDRANT
	WALL HYDRANT
	AQUASTAT
	THERMOSTAT
	CITY WATER METER
	WATER METER
	BACK FLOW PREVENTER VALVE ASSEMBLY
	ROD-OUT BASIN
	SETTLING BASIN
	AIR CHAMBER
	FLOW METER
	BALANCING VALVE ASSEMBLY
	INLINE FLOW DIVERTER
	TANK

RISER SYMBOLS	
	SUPPLY
	WYE 90
	WYE 45
	DOUBLE WYE 90
	DOUBLE WYE 45
	TEE FITTING
	45 ELBOW
	90 ELBOW
	SINK / LAVATORY
	P-TRAP
	FLOOR DRAIN
	MOP BASIN
	DRAIN
	VENT THROUGH ROOF (VTR)
	PIPE BREAK
	SHOWER
	BACKFLOW PREVENTER
	REDUCED PRESSURE ZONE
	WATER HAMMER ARRESTOR
	DETECTOR CHECK VALVE ASSEMBLY

PIPING SYMBOLS	
	CITY COLD WATER SUPPLY PIPE
	COLD WATER PIPE
	NON - POTABLE COLD WATER PIPE
	HOT WATER PIPE
	HOT WATER RETURN
	VENT PIPE
	OIL VENT PIPE
	SANITARY PIPE
	WASTE PIPE
	PUMP DISCHARGE
	STORM PIPE
	GARAGE WASTE PIPE
	DIRECTION OF FLOW
	PIPE TO/FROM ABOVE
	PIPE TO/FROM BELOW
	PIPE ABOVE GROUND
	PIPE BELOW GROUND
	CONCRETE WALL SLEEVE
	INTERIOR WALL SLEEVE
	PIPE CAP
	TEE UP CONNECTION
	TEE DN CONNECTION
	FOO
	SUSPENDED CLEANOUT
	WALL CLEANOUT
	CLEANOUT
	GROUND CLEANOUT
	VENT THROUGH ROOF

REFERENCE SYMBOLS	
	TYPE
	FIRE PROTECTION RISER DESIGNATION
	TYPE
	LOC.
	MATCHLINE
	DETAIL / ENLARGED PLAN CALLOUT
	DETAIL / SECTION ELEVATION
	INTERIOR ELEVATION
NOMENCLATURE:	
	ELEVATION / DETAIL DESIGNATION
	SHEET REFERENCE NUMBER

VALVE SYMBOLS	
	BACKWATER VALVE
	BALANCING COCK
	BALL VALVE
	BUTTERFLY VALVE
	BUTTERFLY VALVE WITH TAMPER SWITCH
	CHECK VALVE
	CHECK VALVE W / AUTOMATIC BALL DRIP
	DRAIN VALVE
	DRY PIPE VALVE
	EXPANSION LOOP
	FLOAT OPERATED VALVE
	GAS COCK
	GATE VALVE
	GLOBE VALVE
	INSULATING COUPLING
	PRESSURE GAUGE WITH GAUGE COCK
	PRESSURE REDUCING VALVE STATION
	PRESSURE RELIEF VALVE
	PRESSURE TEMPERATURE RELIEF VALVE
	O.S.&Y. GATE VALVE
	SILENT CHECK VALVE
	SOLENOID VALVE
	SOLENOID VALVE WITH TAMPER SWITCH
	STOP AND DRAIN VALVE
	STRAINER
	STRAINER WITH VALVE
	SUPERVISED CONTROL VALVE
	UNION
	DIAPHRAGM VALVE

ABBREVIATIONS AND DEFINITIONS	
AB	ABLUTION HOSE
AFF	ABOVE FINISH FLOOR
AP	ACCESS PANEL
AD	AREA DRAIN
BFP	BACK FLOW PREVENTER
BWV	BACK WATER VALVE
BA	BALANCING ASSEMBLY
BC	BOTTOM OF PIPE
BD	BALCONY DRAIN
BV	BALL VALVE
B/G	BELOW GRADE
B/S	BELOW SLAB
BD	BIDET
BP	BOOSTER PUMP
BOB	BOTTOM OF BEAM
BOF	BOTTOM OF FLOOR
BY	BUTTERFLY VALVE
CI	CAST IRON
CB	CATCH BASIN
CLG	CEILING
CL	CENTER LINE LEVEL
CP	CHECK VALVE
CCW	CITY COLD WATER
CO	CLEAN OUT
CW	COLD WATER
CA	COMPRESSED AIR
CONN	CONNECTION
CONT	CONTINUATION
CT	COOLING TOWER
CU	CITY COLD WATER
CM	GROSS MAIN
CUFT	CUBIC FEET
Ø	DIAMETER
DIA	DIAMETER
DW	DISHWASHER
DP	DOMESTIC PUMP
DN	DOWN
DS	DOWN SPOUT
DWG	DRAWING
DCW	DRINKING COLD WATER
DHW	DRINKING HOT WATER
DI	DUCTILE IRON
EWH	ELECTRIC WATER HEATER
EL	ELEVATION
EXP	EXPRESS
FT	FEET
FLR	FLOOR
FCO	FLOOR CLEAN OUT
FD	FLOOR DRAIN
FS	FLOW SWITCH
FM	FORCE MAIN
FFD	FUNNEL FLOOR DRAIN
GAL	GALLON
GPM	GALLON PER MINUTE
GW	GARAGE WASTE
GW/H	GAS WATER HEATER
GWP	GREY WASTE PIPE
GH	GROUND HYDRANT
H/H	HAND HOLE
HEX	HEAT EXCHANGER
HZ	HERTZ
HL	HIGH LEVEL
HP	HIGH POINT
HG	HIGH PRESSURE GAS
HB	HOSE BIBB
HWR	HOT WATER
HD	HOT WATER RETURN
HD	HUB DRAIN
in	INCHES
IW	INDIRECT WASTE
IRR	IRRIGATION
IP	IRRIGATION PUMP

ABBREVIATIONS AND DEFINITIONS - CONT'D	
IC	INSULATING COUPLING
IE	INVERT ELEVATION
KW	KITCHEN WASTE
LAV	LAVATORY
LT	LAUNDRY TRAY
LTW	LAUNDRY TRAY WASTE
LPG	LIQUEFIED PETROLEUM GAS
LOC	LOCATION
L/L	LOW LEVEL
LP	LOW POINT
LG	LOW PRESSURE GAS
MH	MANHOLE
MG	MEDIUM PRESSURE GAS
MB	MOP BASIN
NG	NATURAL GAS
NIG	NITROGEN GAS
NC	NORMALLY CLOSED
NO	NORMALLY OPEN
NUM	NUMBER
OV	OIL VENT
OHV	OPEN HUB DRAIN
OSD	OPEN SITE DRAIN
OS&Y	OUTSIDE SCREW & YOLK VALVE
ORD	OVERFLOW ROOF DRAIN
OST	OVERFLOW STORM PIPE
PH	PHASE
PLD	PLANTER DRAIN
POC	POINT OF CONNECTION
PCW	POTABLE COLD WATER
PHW	POTABLE HOT WATER
PHWR	POTABLE HOT WATER RETURN
PSI	POUNDS PER SQUARE INCH
PS	PRESSURE GAUGE
PRV	PRESSURE REDUCING VALVE
PD	PUMP DISCHARGE
RPZ	REDUCED PRESSURE ZONE
RV	RELIEF VENT
RPM	REVOLUTIONS PER MINUTE
RO	REVERSE OSMOSIS
ROR	REVERSE OSMOSIS RETURN
RD	ROD OUT
RM	ROOM
SP	SANITARY PIPE
SST	SECONDARY STORM PIPE
SS	SERVICE SINK
SB	SETTLING BASIN
SEP	SEWAGE EJECTOR PUMP
SL	SLEEVE
SVP	SOIL AND VENT PIPE
SQFT	SQUARE FEET
ST	STORM WATER PIPE
SSD	SUBSOIL DRAINAGE
TW	TEMPERED WATER
T&PRV	TEMP & PRESSURE RELIEF VALVE
TM	THERMOMETER
TMV	THERMOSTATIC MIXING VALVE
TD	TRENCH DRAIN
TYP	TYPICAL
UN	UNDERGROUND
VB	VACUUM BREAKER
VA	VALVE
VFD	VARIABLE FREQUENCY DRIVE
VP	VENT PIPE
VTR	VENT THROUGH ROOF
V	VOLTS
WCO	WALL CLEAN OUT
WH	WALL HYDRANT
WP	WASTE PIPE
WF	WATER FEATURE
WFS	WATER FLOW SWITCH
WHA	WATER HAMMER ARRESTOR
W	WATT

- | GENERAL NOTES |  |
|---------------|--|
| 1.            | ALL PLUMBING SHALL BE INSTALLED IN ACCORDANCE WITH THE ILLINOIS PLUMBING CODE, THE LATEST EDITION OF THE CHICAGO BUILDING CODE, THE LATEST EDITION OF THE CITY OF CHICAGO PLUMBING CODE (NFPA NO. 13) AND ALL RELATIVE AMENDMENTS. CONTRACTOR SHALL PAY FOR ALL PERMITS AND INSPECTION FEES AS REQUIRED FOR THIS WORK.   |
| 2.            | CONTRACTOR SHALL VISIT THE SITE TO VERIFY THE FULL EXTENT OF THE WORK AND THE EXACT LOCATION, ELEVATION, ETC. OF PIPING. COORDINATE ALL WORK WITH THE RESPECTIVE TRADES.   |
| 3.            | CONTRACTOR SHALL PROVIDE ALL REQUIRED CUTTING, DRILLING AND PATCHING. NO STRUCTURAL WORK TO BE CUT WITHOUT PREVIOUS APPROVAL OF THE ARCHITECT. PATCH ALL DISTURBED WALLS, CEILINGS AND FLOORS TO MATCH ADJACENT SURFACES AS NECESSARY.   |
| 4.            | DRAWINGS ARE GENERALLY DIAGRAMMATIC. ROUTING OF PIPING, DUCTWORK, CONDUITS, RACEWAYS, ETC. AS SHOWN ON THE DRAWINGS DOES NOT INTEND TO SHOW EVERY RISE, DROP, OFFSET, FITTING NOR EVERY STRUCTURAL ELEMENT THAT MAY BE ENCOUNTERED DURING THE INSTALLATION OF THIS WORK.   |
| 5.            | CONTRACTOR SHALL MAKE ANY REQUIRED CHANGES FROM THE GENERAL ROUTING SHOWN ON THESE DRAWINGS, SUCH AS OFFSETS, BENDS, OR CHANGES IN ELEVATION DUE TO COORDINATION WITH THE WORK OF OTHER TRADES AND BUILDING RELATED DISCIPLINES. PRIOR TO START OF ANY WORK, ALL WORK TO BE PERFORMED INSIDE OF THE 5'-0" BUILDING PERIMETER LIMITS OF CONSTRUCTION AND COORDINATED WITH OTHER TRADES TO MATCH WORK OUTSIDE. |
| 6.            | ALL PIPING PASSING THRU FLOORS, WALLS, CEILINGS OR ROOF SHALL HAVE A DUCTILE IRON PIPE SLEEVE INSTALLED AROUND THE PIPE AND/OR INSULATION.   |
| 7.            | SLEEVES THROUGH FOUNDATION WALLS SHALL BE AT LEAST 2 PIPE SIZES LARGER THAN THE SERVICE PIPE. PROVIDE AN ESCUTCHEON PLATE AROUND PENETRATIONS EXPOSED TO VIEW. ESCUTCHEON PLATES SHALL BE LARGE ENOUGH TO COVER THE ENTIRE HOLE. ALL PENETRATIONS SHALL BE SEALED TO MAINTAIN THE WALL/FLOOR/ROOF FIRE & INSULATION RATINGS.   |
| 8.            | ALL FLOOR MOUNTED EQUIPMENT NOT PROVIDED ON A SKID IS TO BE INSTALLED ON 4" THICK CONCRETE HOUSEKEEPING PAD.   |
| 9.            | REFER TO ARCHITECTURAL AND STRUCTURAL DRAWINGS FOR FINISHED CEILING HEIGHTS AND LOCATION OF WALL, ROOF AND FLOOR OPENINGS.   |
| 10.           | PROVIDE HANGERS AND SUPPLEMENTAL SUPPORT STEEL FOR ALL EQUIPMENT AND PIPING. ALL WATER SUPPLY PIPING SHALL BE SUSPENDED WITH CLEVIS AND / OR TRAPEZE PIPE HANGERS WITH PIPE COVERING PROTECTION SADDLES OR SHEET METAL INSULATION SHIELDS.   |
| 11.           | THE HOT WATER SUPPLY FOR EACH LAVATORY AND SINK IS TO BE INSULATED. THE P-TRAP AND WASTE DRAIN PIPE FOR EACH ADA ACCESSIBLE LAVATORY AND SINK IS TO BE INSULATED.  |
| 12.           | CONTRACTOR SHALL VISIT THE SITE AND VERIFY EXISTING CONDITIONS PRIOR TO SUBMITTING BID OR DOING ANY WORK. CONTRACTOR SHALL NOTIFY ARCHITECT / ENGINEER OF ANY DISCREPANCIES BETWEEN PLANS AND ACTUAL CONDITIONS.   |
| 13.           | PROVIDE ACCESS TO ALL VALVES AND SYSTEM COMPONENTS REQUIRING ACCESS. ALL PIPING ACCESSORIES AND EQUIPMENT IN MECHANICAL ROOMS SUCH AS ISOLATION VALVES, RECIRCULATION PUMPS, ETC. SHALL BE INSTALLED AT A REASONABLE HEIGHT IN ORDER TO FACILITATE MAINTENANCE.  |
| 14.           | EXCEPT FOR PIPING ASSOCIATED WITH THE SUMP PUMPS, PLUMBING PIPING SHALL NOT BE ROUTED THROUGH OR OVER ANY ELEVATOR SHAFTS, ELEVATOR EQUIPMENT AREAS, ELECTRICAL ROOMS / EQUIPMENT AREAS OR COMMUNICATIONS AREAS.   |
| 15.           | PLUMBING CONTRACTOR TO GIVE ALL LOCATIONS AND DIMENSIONS OF ALL REQUIRED ACCESS PANELS TO THE GENERAL CONTRACTOR. GENERAL CONTRACTOR WILL SUBMIT TO THE ARCHITECT / ENGINEER FOR APPROVAL ALL FINISH REQUIREMENTS PRIOR TO INSTALLATION.   |
| 16.           | TRENCHING, EXCAVATION AND BACKFILL OPERATIONS SHALL BE IN ACCORDANCE WITH ARTICLE 3, SECTION 306 OF THE CHICAGO BUILDING CODE.   |
| 17.           | WATER PRESSURE AND SUPPLY INFORMATION: FIELD VERIFY ALL PRESSURES AND CAPACITIES. CONTRACTOR SHALL BE RESPONSIBLE FOR FLOW TEST INFORMATION.   |
| 18.           | ALL PIPING, VALVES AND DEVICES SHALL BE INSTALLED SO AS NOT TO OBSTRUCT ANY PORTION OF A WINDOW, DOORWAY, STAIRWAY OR PASSAGEWAY OR ANY PIECE OF MECHANICAL OR ELECTRICAL EQUIPMENT.   |
| 19.           | FACTORY MUTUAL RESEARCH CORPORATION APPROVED EQUIPMENT SHALL BE PROVIDED WHERE APPLICABLE AND DETAILS OF THE INSTALLATIONS SHALL CONFORM TO FACTORY MUTUAL'S RECOMMENDED PRACTICES.  |
| 20.           | DO NOT INSTALL PIPING OR SPRINKLER HEADS IN HIGH VOLTAGE (OVER 480 V) ELECTRICAL CLOSETS, TRANSFORMER ROOMS, OR ELEVATOR EQUIPMENT ROOMS. THESE AREAS SHALL HAVE HEAT DETECTORS FURNISHED AND INSTALLED BY ELECTRIC CONTRACTOR.  |
| 21.           | ALL FLOOR CONTROL VALVE ASSEMBLIES ARE TO BE LOCATED WITHIN THE STAIR ENCLOSURE. CONTROL VALVES ARE TO BE SUPERVISED AND LOCKED IN THE OPEN POSITION.  |
| 22.           | PIPES, DUCTS, CONDUITS AND ELECTRICAL CABLE TRAYS WHICH PASS THROUGH FIRE-RESISTIVE BARRIERS, INCLUDING FLOOR SLABS AND WALLS, SHALL BE FIRE SEALED TO MAINTAIN THE INTEGRITY OF THE FIRE RESISTIVE BARRIER. ALL EXPOSED PIPES PASSING THROUGH A WALL, CEILING OR FLOOR SHALL HAVE CHROME ESCUTCHEON PLATES.   |
| 23.           | PROVIDE THERMOSTATIC MIXING VALVES AT EACH LAVATORY. LEAVING TEMPERATURE TO BE SET AT 105 DEGREES FAHRENHEIT.  |

PLUMBING SERVICE DESIGNATION	TYPE OF PIPE	TYPE OF FITTINGS	TYPE OF JOINTS	INSULATION	REMARKS
THIS MATRIX IS PROVIDED AS A GENERAL GUIDE TO THE MATERIALS TO BE USED. REFER TO THE CURRENT PLUMBING CODE FOR THE MATERIAL STANDARDS THAT MUST BE MET. ANY APPLICATION DISCREPANCIES BETWEEN THIS MATRIX, SPECIFICATIONS OR CODE REQUIREMENTS SHALL BE RESOLVED BY THE ARCHITECT AND ENGINEER OF RECORD.					
INCOMING DOMESTIC WATER SERVICE	X				
SUSPENDED DOMESTIC WATER DISTRIBUTION 2-1/2" & LARGER	X				
SUSPENDED DOMESTIC WATER DISTRIBUTION 2" & SMALLER	X				
BURIED DOMESTIC WATER DISTRIBUTION 2" & SMALLER	X				
UNDERGROUND SANITARY BUILDING SEWER					
UNDERGROUND SANITARY BUILDING DRAIN					
SUSPENDED SANITARY, WASTE & VENT 3" & LARGER					
SUSPENDED SANITARY, WASTE & VENT 2-1/2" & SMALLER					
UNDERGROUND BUILDING STORM SEWER					
UNDERGROUND BUILDING STORM DRAIN					
SUSPENDED DOWNSPOUTS & STORM DRAINS 4" & LARGER					
SUSPENDED DOWNSPOUTS & STORM DRAINS 3" & SMALLER					



**DFSS**  
Department of Family and Support Services

**DFSS BRONZEVILLE REGIONAL SENIOR CENTER**

4711 - 4755 S. CALUMET AVE.  
CHICAGO IL, 60615

PUBLIC BUILDING COMMISSION  
CITY OF CHICAGO, MAYOR BRANDON JOHNSON

DESIGN ARCHITECT:

**RADA ARCHITECTS**

ADDRESS: 233 N. MICHIGAN AVE, #1900  
CHICAGO, ILLINOIS 60601  
PHONE: 312.856.1970  
FAX: 312.856.1978  
WEB: WWW.RADA-ARCH.COM

ARCHITECT OF RECORD:

**MEP/FP ENGINEER**  
Mithouse Engineering  
333 S. Wabash Avenue, Suite 2901  
Chicago, IL 60604

**STRUCTURAL ENGINEER**  
Mithouse Engineering  
333 S. Wabash Avenue, Suite 2901  
Chicago, IL 60604

**CIVIL ENGINEER**  
Mithouse Engineering  
333 S. Wabash Avenue, Suite 2901  
Chicago, IL 60604

**LANDSCAPE ARCHITECT**  
TGDA Landscape Architecture  
3233 W. La Moyn Street, #1  
Chicago, IL 60651

**FOOD SERVICE CONSULTANT**  
S20 Consultants  
530 N. Wood Street, 8C  
Chicago, IL 60622

MARK	DESCRIPTION	DATE
1	50% SD	6/20/2025
2	100% SD	8/15/2025

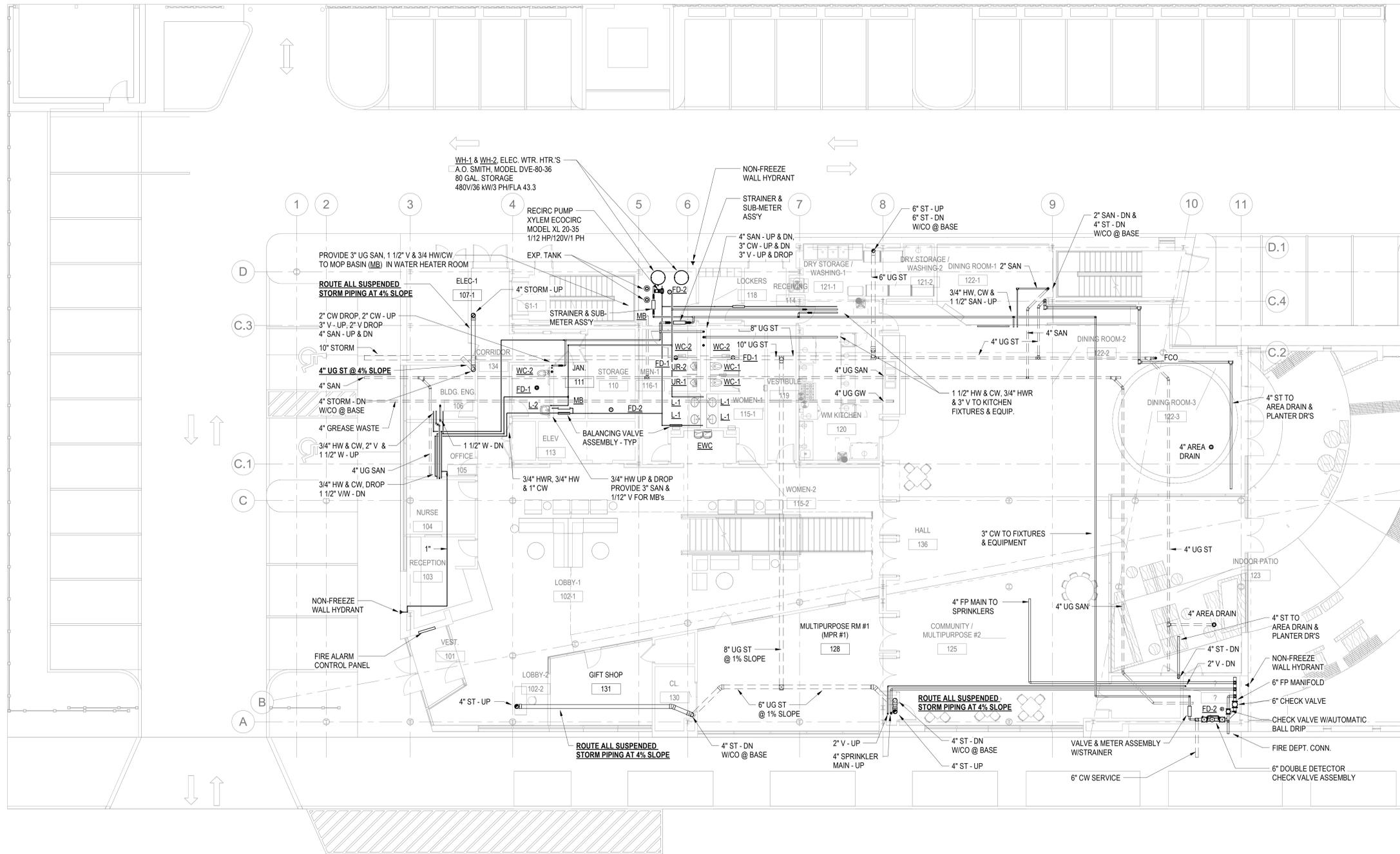
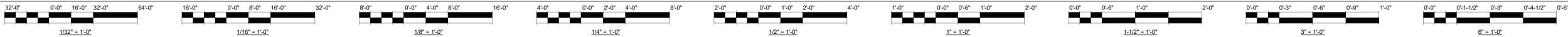
PBC Project Name: DFSS BRONZEVILLE REGIONAL SENIOR CENTER

PBC Contract No: 10030  
Project No: H-93  
Title

**SYMBOLS AND ABBREVIATIONS**

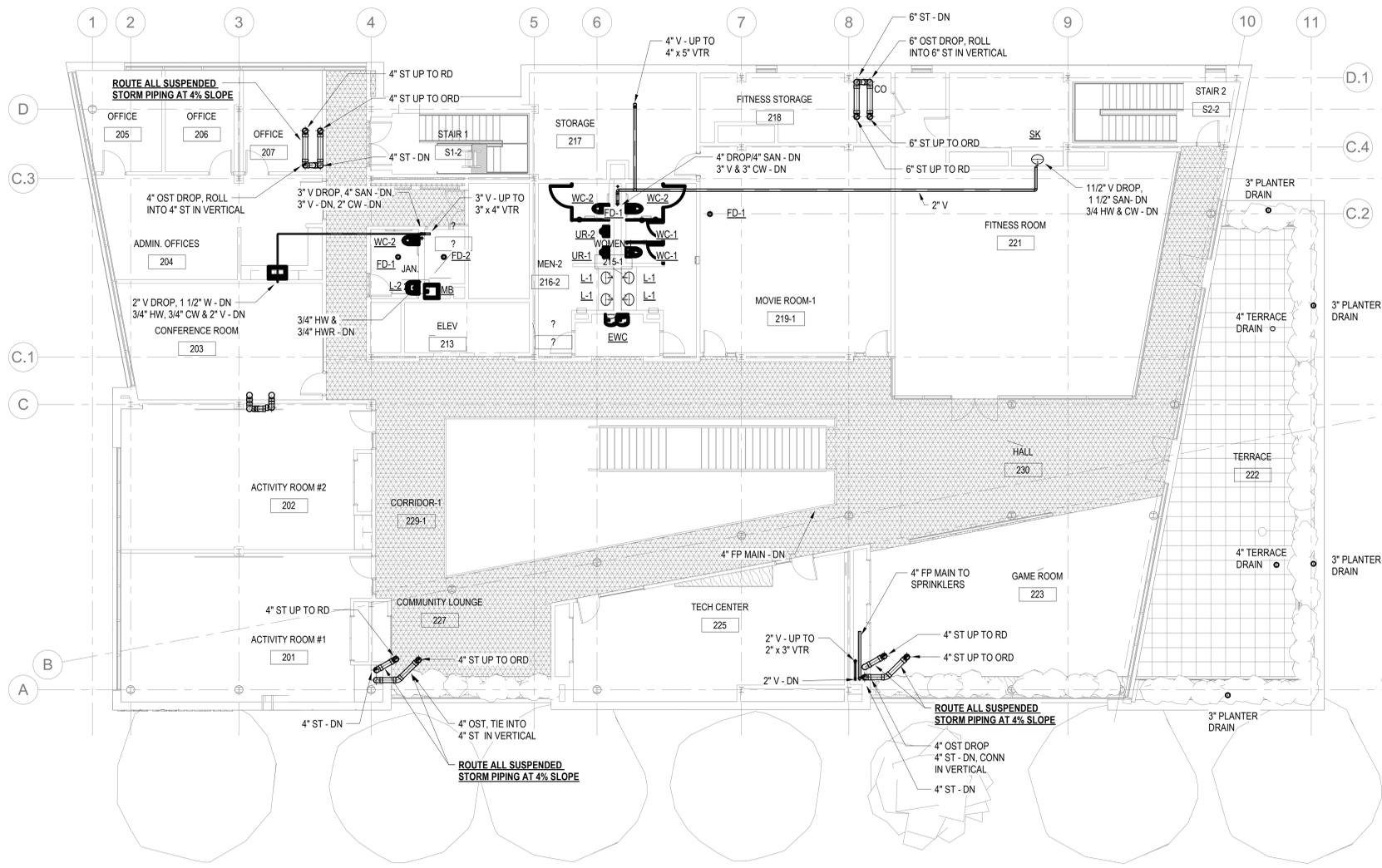
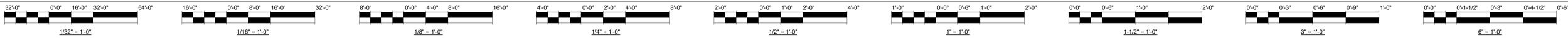
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1 LEVEL 1 - PLUMBING  
SCALE: 1/8" = 1'-0"

MARK	DESCRIPTION	DATE
1	50% SD	6/20/2025
2	100% SD	8/15/2025



1 LEVEL 2 - PLUMBING  
SCALE: 1/8" = 1'-0"

Issuance

MARK	DESCRIPTION	DATE
1	50% SD	6/20/2025
2	100% SD	8/15/2025