

CHABOT COLLEGE LIBRARY AND LEARNING CONNECTION

25555 HESPERIAN BLVD, HAYWARD, CA 94545
100% SCHEMATIC DESIGN
DECEMBER 19, 2019



PROJECT TEAM

ARCHITECT:

GROUP 4 ARCHITECTURE RESEARCH +
PLANNING
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LANDSCAPE:

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ACOUSTICS & LOW-VOLTAGE:

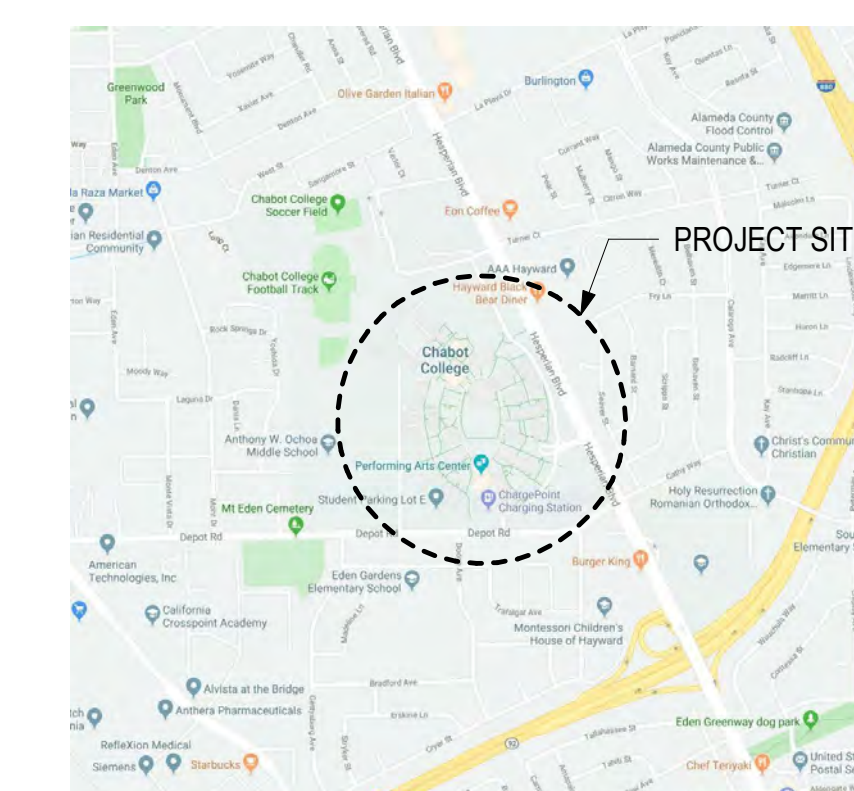
CHARLES M. SALTER ASSOCIATES
130 SUTTER ST, SUITE 500
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CONTACT: PHIL SANDERS

PROJECT SCOPE OF WORK:

CONSTRUCTION OF A NEW, TYPE A-3, FOUR STORY
LIBRARY AND TUTORING BUILDING AND ASSOCIATED
SITE WORK.

LOCATION MAP:



STRUCTURAL:

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595 MARKET STREET, SUITE 910
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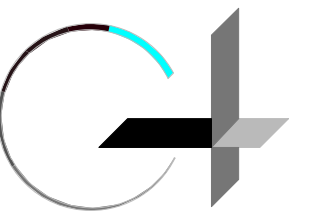
CONTACT: PAUL A. CAREY

MP & FP:

CAPITAL ENGINEERING CONSULTANTS
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T: (510) 522-1860

CONTACT: TOM DUVAL

DSA APPROVAL STAMP



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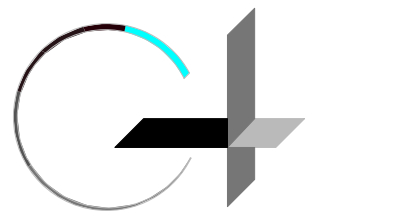
CHABOT
COLLEGE
LIBRARY AND
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CONNECTION

ISSUE DATE
100% SD 12/19/19

PROJECT NO. 19531-01

SHEET TITLE AND NO.
COVER SHEET

A0.0



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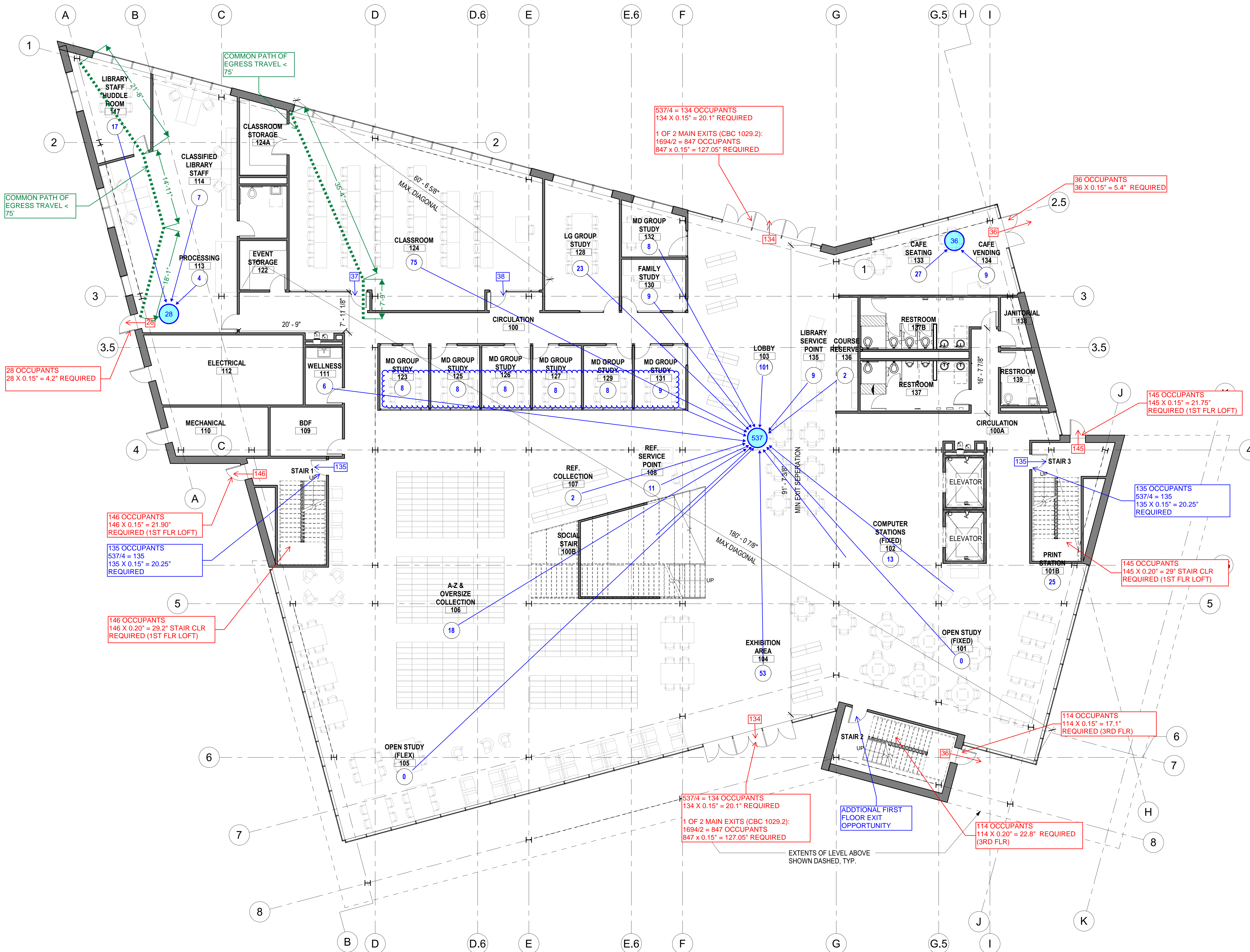
CHABOT COLLEGE 25555 HESPERIAN BLVD HAYWARD, CA 94545

CHABOT COLLEGE LIBRARY AND LEARNING CONNECTION

SHEET NOTES

- 1. STAIRS ARE NOT DRAWN ACCURATELY TO REQUIRED EGRESS WIDTH. STAIR CLEAR WIDTHS WILL BE ADJUSTED WHEN EXITING STRATEGY IS CONFIRMED.
2. EXIT DOORS AND EXIT ACCESS DOORS ARE NOT DRAWN ACCURATELY TO REQUIRED EGRESS WIDTH. DOOR CLEAR WIDTHS WILL BE ADJUSTED WHEN EXITING STRATEGY IS CONFIRMED.
3. BUILDING WILL BE EQUIPPED THROUGHOUT WITH AN AUTOMATIC SPRINKLER SYSTEM DESIGNED PER NFPA 13. ALL EGRESS SIZING IS DONE PER FULL SPRINKLERED EXCEPTIONS. SEE CODE ANALYSIS FOR MORE INFORMATION.
4. SEE OCCUPANT LOAD TABLE BELOW, REFERENCED FROM A0.4-0A:

Table with columns: Level, Number, Name, Occupancy, Area, OLF, Occupant Load. It lists various rooms on the first floor and their corresponding occupant load calculations and requirements.



LEGEND

- F.E.C. FIRE EXTINGUISHER CABINET COVERAGE 75' RADIUS OCCUPANT LOAD, SUB AREA
OCCUPANT LOAD, SUB AREA
CUMULATIVE ROOM / AREA OCCUPANT LOAD
EXITING DIRECTION, NUMBER OF OCCUPANTS EXITING
D.F. DRINKING FOUNTAIN WITH BOTTLE FILLER
COMMON PATH OF EGRESS - WIDTH 3'-8" MIN.

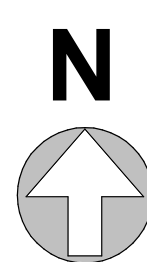
ISSUE DATE 100% SD 12/19/19

PROJECT NO. 19531-01

SHEET TITLE AND NO. CODE- EXITING PLAN FIRST FLOOR

A0.4-1

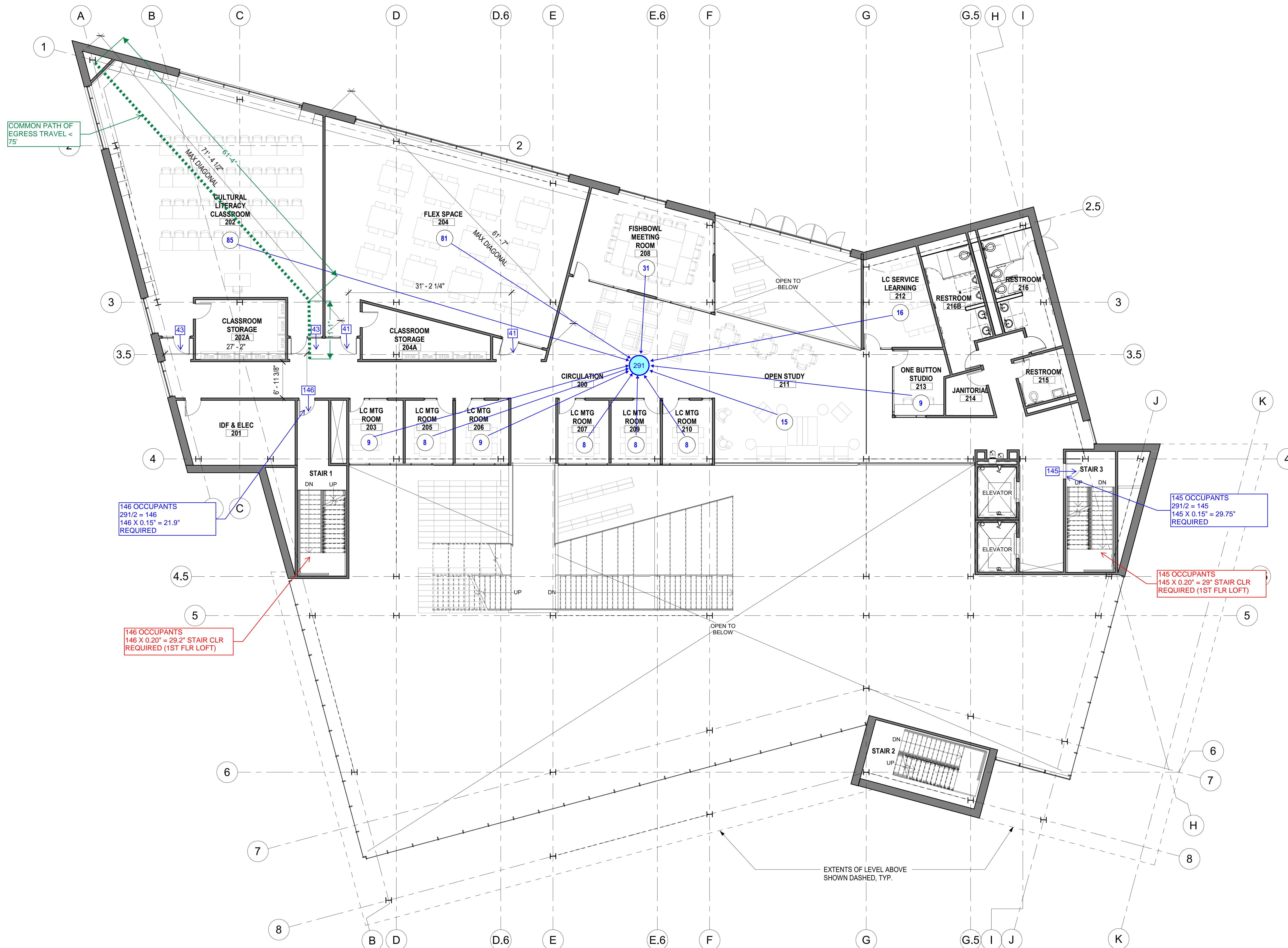
1 L1- FIRST FLOOR PLAN - EXITING 1/8" = 1'-0"



SHEET NOTES

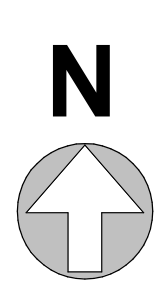
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4. SEE OCCUPANT LOAD TABLE BELOW, REFERENCED FROM A0.4-0A:

OCCUPANT LOAD FOR EXITING						
Level	Room	Name	Occupancy	Area	OLF	Occupant Load
L1L-FIRST LOFT FLOOR	202	CULTURAL LITERACY CLASSROOM	A-3	1710 SF	20	86
L1L-FIRST LOFT FLOOR	203	LC MTG ROOM	A-3	136 SF	15	10
L1L-FIRST LOFT FLOOR	204	FLEX CLASSROOM	A-3	1631 SF	20	82
L1L-FIRST LOFT FLOOR	205	LC MTG ROOM	A-3	114 SF	15	8
L1L-FIRST LOFT FLOOR	206	LC MTG ROOM	A-3	127 SF	15	9
L1L-FIRST LOFT FLOOR	207	LC MTG ROOM	A-3	121 SF	15	9
L1L-FIRST LOFT FLOOR	208	FISHBOWL MEETING ROOM	A-3	464 SF	15	31
L1L-FIRST LOFT FLOOR	209	LC MTG ROOM	A-3	117 SF	15	8
L1L-FIRST LOFT FLOOR	210	LC MTG ROOM	A-3	119 SF	15	8
L1L-FIRST LOFT FLOOR	211	OPEN STUDY	A-3	734 SF	50	15
L1L-FIRST LOFT FLOOR	212	LC SERVICE LEARNING ROOM	A-3	231 SF	15	16
L1L-FIRST LOFT FLOOR	213	ONE BUTTON STUDIO	A-3	121 SF	15	9
L1L-FIRST LOFT FLOOR						291



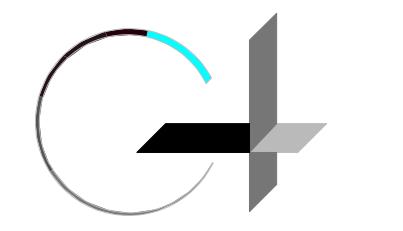
LEGEND

- F.E.C. FIRE EXTINGUISHER CABINET COVERAGE 7'5" RADIUS OCCUPANT LOAD, SUB AREA
- # CUMULATIVE ROOM / AREA OCCUPANT LOAD
- ### CUMULATIVE ROOM / AREA OCCUPANT LOAD
- EXITING DIRECTION, NUMBER OF OCCUPANTS EXITING
- D.F. DRINKING FOUNTAIN WITH BOTTLE FILLER
- COMMON PATH OF EGRESS - WIDTH 3'-8" MIN.



1 L1L - FIRST FLOOR LOFT PLAN - EXITING
1/8" = 1'-0"

DSA APPROVAL STAMP



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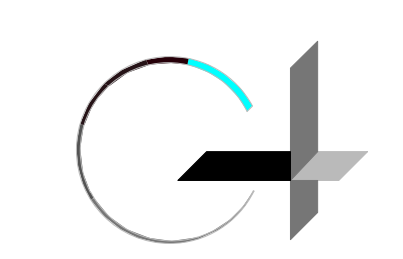
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ISSUE DATE
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SHEET TITLE AND NO.
CODE - EXITING
PLAN FIRST FLOOR
LOFT

A0.4-2



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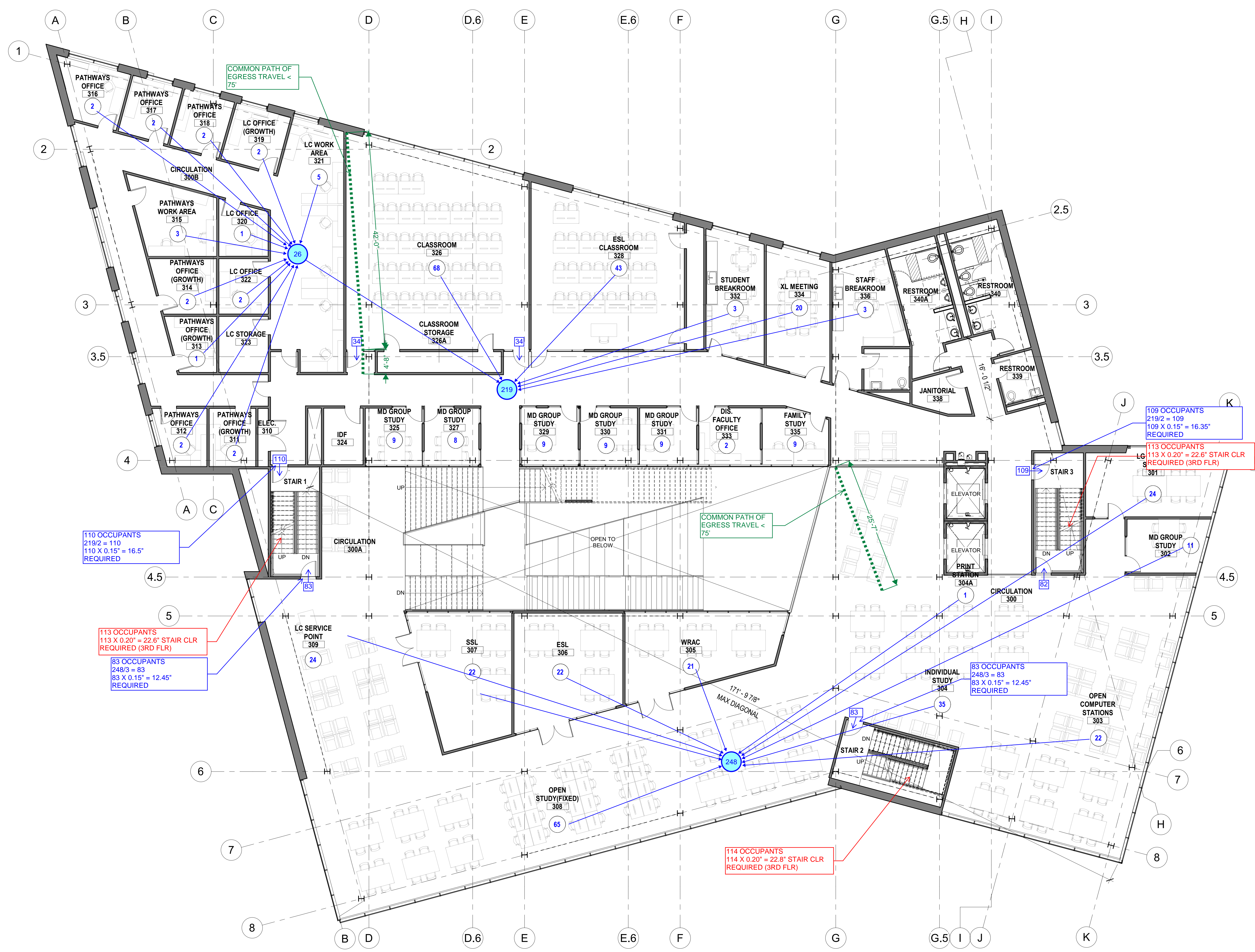
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4. SEE OCCUPANT LOAD TABLE BELOW, REFERENCED FROM A0.4-0A:

OCCUPANT LOAD FOR EXITING						
Level	Room	NAME	OCCUPANCY	AREA	OLF	OCCUPANT LOAD
L2 - SECOND FLOOR	301	LG GROUP STUDY	A-3	368 SF	15	24
L2 - SECOND FLOOR	302	MD GROUP STUDY	A-3	161 SF	15	11
L2 - SECOND FLOOR	303	OPEN COMPUTER STATIONS	A-3	1079 SF	50	22
L2 - SECOND FLOOR	304	INDIVIDUAL STUDY	A-3	1702 SF	50	35
L2 - SECOND FLOOR	304A	PRINT STATION	A-3	33 SF	50	1
L2 - SECOND FLOOR	305	WRAC	B	420 SF	20	22
L2 - SECOND FLOOR	306	ESL	B	434 SF	20	22
L2 - SECOND FLOOR	307	SSL	B	432 SF	20	22
L2 - SECOND FLOOR	308	OPEN STUDY(FIXED)	A-3	3231 SF	50	65
L2 - SECOND FLOOR	309	LC SERVICE POINT	A-3	360 SF	15	24
L2 - SECOND FLOOR	300C	CIRCULATION		1842 SF		248
L2L - SECOND LOFT FLOOR	311	PATHWAYS OFFICE (GROWTH)	B	101 SF	100	2
L2L - SECOND LOFT FLOOR	312	PATHWAYS OFFICE (GROWTH)	B	103 SF	100	2
L2L - SECOND LOFT FLOOR	313	PATHWAYS OFFICE (GROWTH)	B	94 SF	100	1
L2L - SECOND LOFT FLOOR	314	PATHWAYS OFFICE (GROWTH)	B	125 SF	100	2
L2L - SECOND LOFT FLOOR	315	PATHWAYS WORK AREA	B	204 SF	100	3
L2L - SECOND LOFT FLOOR	316	PATHWAYS OFFICE (GROWTH)	B	139 SF	100	2
L2L - SECOND LOFT FLOOR	317	PATHWAYS OFFICE (GROWTH)	B	115 SF	100	2
L2L - SECOND LOFT FLOOR	318	PATHWAYS OFFICE (GROWTH)	B	115 SF	100	2
L2L - SECOND LOFT FLOOR	319	LC OFFICE (GROWTH)	B	127 SF	100	2
L2L - SECOND LOFT FLOOR	320	LC OFFICE	B	94 SF	100	1
L2L - SECOND LOFT FLOOR	321	LC WORK AREA	B	439 SF	100	5
L2L - SECOND LOFT FLOOR	322	LC OFFICE	B	102 SF	100	2
L2L - SECOND LOFT FLOOR	325	MD GROUP STUDY	A-3	123 SF	15	9
L2L - SECOND LOFT FLOOR	326	CLASSROOM	A-3	1344 SF	20	68
L2L - SECOND LOFT FLOOR	327	MD GROUP STUDY	A-3	120 SF	15	8
L2L - SECOND LOFT FLOOR	328	ESL CLASSROOM	B	868 SF	20	43
L2L - SECOND LOFT FLOOR	329	MD GROUP STUDY	A-3	123 SF	15	9
L2L - SECOND LOFT FLOOR	330	MD GROUP STUDY	A-3	125 SF	15	9
L2L - SECOND LOFT FLOOR	331	MD GROUP STUDY	A-3	124 SF	15	9
L2L - SECOND LOFT FLOOR	332	STUDENT BREAKROOM	B	267 SF	100	3
L2L - SECOND LOFT FLOOR	333	DIS. FACULTY OFFICE	B	134 SF	100	2
L2L - SECOND LOFT FLOOR	334	XL MEETING	A-3	291 SF	15	20
L2L - SECOND LOFT FLOOR	335	FAMILY STUDY	A-3	135 SF	15	9
L2L - SECOND LOFT FLOOR	336	STAFF BREAKROOM	B	271 SF	100	3
L2L - SECOND LOFT FLOOR						218



LEGEND

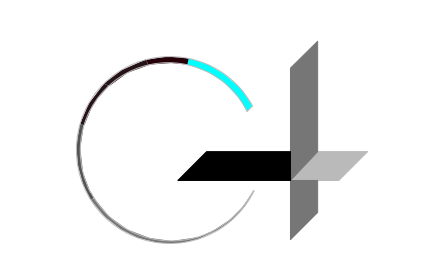
- F.E.C. FIRE EXTINGUISHER CABINET COVERAGE 7'5" RADIUS
- # OCCUPANT LOAD, SUB AREA
- ### CUMULATIVE ROOM/ AREA OCCUPANT LOAD
- EXITING DIRECTION, NUMBER OF OCCUPANTS EXITING
- D.F. DRINKING FOUNTAIN WITH BOTTLE FILLER
- COMMON PATH OF EGRESS - WIDTH 3'-8" MIN.

1 L2 - SECOND FLOOR - SECOND FLOOR LOFT PLAN - EXITING
 1/8" = 1'-0"

ISSUE DATE
 100% SD 12/19/19

PROJECT NO. 19531-01
 SHEET TITLE AND NO.
 CODE - EXITING
 PLAN SECOND
 FLOOR & SECOND
 FLOOR LOFT

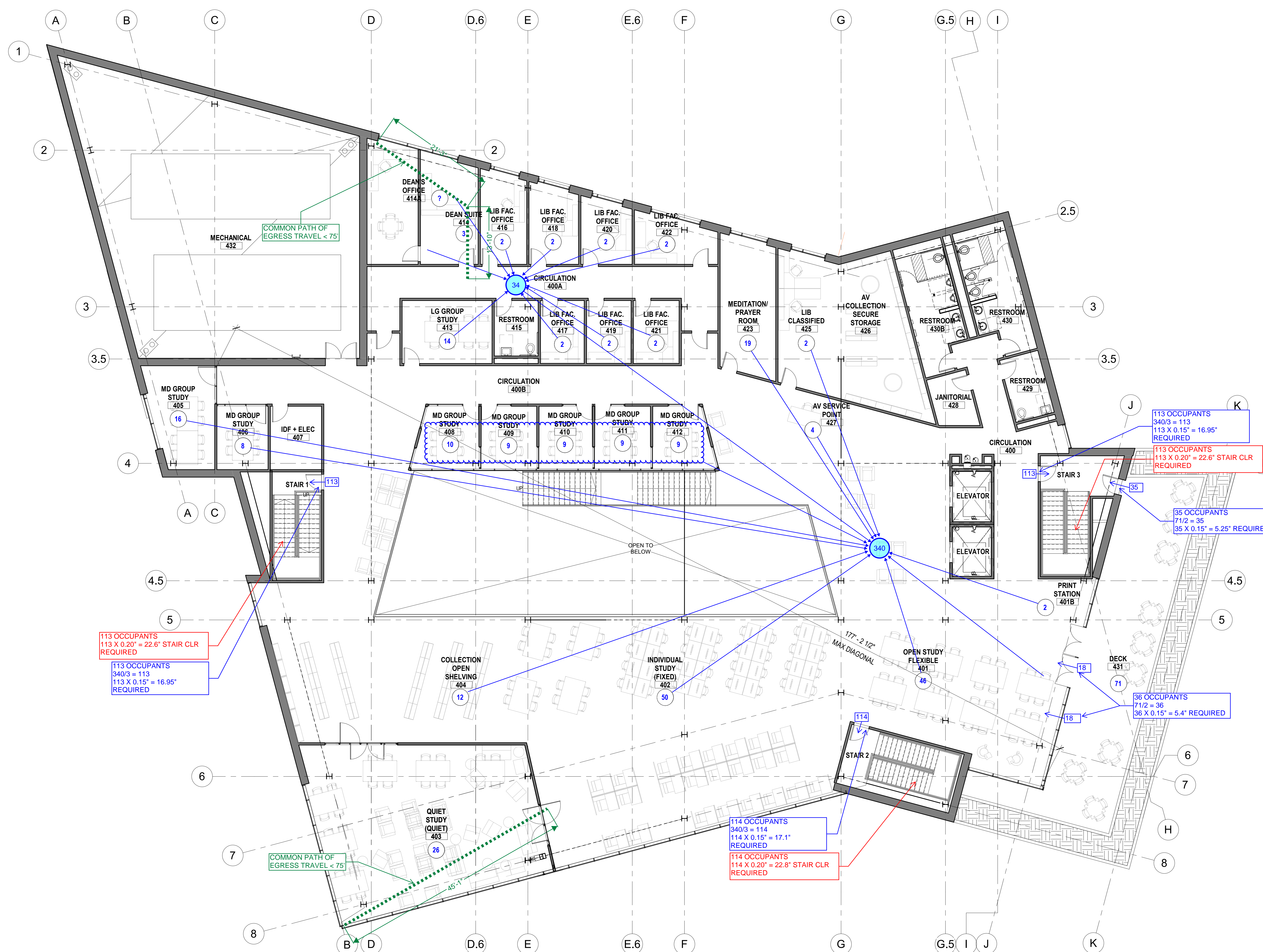
A0.4-3



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4. SEE OCCUPANT LOAD TABLE BELOW, REFERENCED FROM A0.4-0A:

OCCUPANT LOAD FOR EXITING						
Level	Room	Name	Occupancy	Area	OLF	Occupant Load
L3-THIRD FLOOR	401	OPEN STUDY FLEXIBLE	A-3	2299 SF	50	46
L3-THIRD FLOOR	401B	PRINT STATION (FIXED)	A-3	74 SF	50	2
L3-THIRD FLOOR	402	INDIVIDUAL STUDY (FIXED)	A-3	2488 SF	50	50
L3-THIRD FLOOR	403	QUIET STUDY (QUIET)	A-3	1269 SF	50	26
L3-THIRD FLOOR	404	COLLECTION OPEN SHELVING	A-3	1145 SF	100	12
L3-THIRD FLOOR	405	MD GROUP STUDY	A-3	230 SF	15	16
L3-THIRD FLOOR	406	MD GROUP STUDY	A-3	117 SF	15	8
L3-THIRD FLOOR	408	MD GROUP STUDY	A-3	146 SF	15	10
L3-THIRD FLOOR	409	MD GROUP STUDY	A-3	132 SF	15	9
L3-THIRD FLOOR	410	MD GROUP STUDY	A-3	128 SF	15	9
L3-THIRD FLOOR	411	MD GROUP STUDY	A-3	134 SF	15	9
L3-THIRD FLOOR	412	MD GROUP STUDY	A-3	133 SF	15	9
L3-THIRD FLOOR	413	LG GROUP STUDY	A-3	208 SF	15	14
L3-THIRD FLOOR	414	DEAN SUITE	B	226 SF	100	3
L3-THIRD FLOOR	414A	DEAN'S OFFICE	B	224 SF	100	3
L3-THIRD FLOOR	416	LIB FAC. OFFICE	B	152 SF	100	2
L3-THIRD FLOOR	417	LIB FAC. OFFICE	B	101 SF	100	2
L3-THIRD FLOOR	418	LIB FAC. OFFICE	B	141 SF	100	2
L3-THIRD FLOOR	419	LIB FAC. OFFICE	B	103 SF	100	2
L3-THIRD FLOOR	420	LIB FAC. OFFICE	B	119 SF	100	2
L3-THIRD FLOOR	421	LIB FAC. OFFICE	B	106 SF	100	2
L3-THIRD FLOOR	422	LIB FAC. OFFICE	B	137 SF	100	2
L3-THIRD FLOOR	423	MEDITATION PRAYER ROOM	A-3	276 SF	15	19
L3-THIRD FLOOR	425	LIB CLASSIFIED	B	185 SF	100	2
L3-THIRD FLOOR	427	AV SERVICE POINT	A-3	59 SF	15	4
L3-THIRD FLOOR	431	DECK	A-3	1068 SF	15	71
L3-THIRD FLOOR						336



113 OCCUPANTS
113 X 0.20' = 22.6' STAIR CLR
REQUIRED

113 OCCUPANTS
340/3 = 113
113 X 0.15' = 16.95'
REQUIRED

113 OCCUPANTS
340/3 = 113
113 X 0.15' = 16.95'
REQUIRED

113 OCCUPANTS
113 X 0.20' = 22.6' STAIR CLR
REQUIRED

35 OCCUPANTS
71/2 = 35
35 X 0.15' = 5.25' REQUIRED

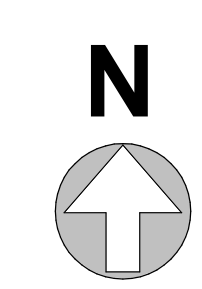
36 OCCUPANTS
71/2 = 36
36 X 0.15' = 5.4' REQUIRED

114 OCCUPANTS
340/3 = 114
114 X 0.15' = 17.1'
REQUIRED

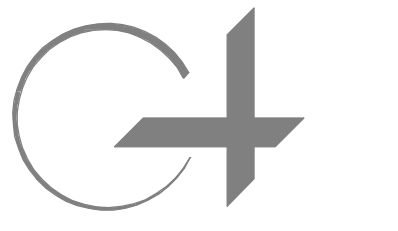
114 OCCUPANTS
114 X 0.20' = 22.8' STAIR CLR
REQUIRED

LEGEND

- F.E.C. FIRE EXTINGUISHER CABINET COVERAGE 75' RADIUS OCCUPANT LOAD, SUB AREA
- # CUMULATIVE ROOM AREA OCCUPANT LOAD
- ### CUMULATIVE ROOM AREA OCCUPANT LOAD
- EXITING DIRECTION, NUMBER OF OCCUPANTS EXITING
- D.F. DRINKING FOUNTAIN WITH BOTTLE FILLER
- COMMON PATH OF EGRESS - WIDTH 3'-8" MIN.



1 L3 - THIRD FLOOR PLAN - EXITING
1/8" = 1'-0"



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BOUNDARY NOTE

THE CHABOT BOUNDARY IS BASED ON LEGAL DESCRIPTION PER BOOK 1126 O.R. PAGE 821, ALAMEDA COUNTY RECORDS. MONUMENTS WERE FOUND LOCATING CL OF HESPERIAN BOULEVARD ON OUR EASTERLY BOUNDARY, AND THE SOUTHERLY LINE OF TRACT 1407, WHICH IS OUR NORTHERLY BOUNDARY, THE WESTERLY BOUNDARY WAS ESTABLISHED BY FINDING PROPERTY PILES ON BOTH SIDES OF THE COURSE SHOWN ON TRACT 6713 AS 7078-02-256 223.807' THE METES AND BOUNDS DESCRIPTION PER DEED CONNECTED CENTERLINE MONUMENTS ON HESPERIAN BOULEVARD ON OUR EASTERLY LINE, AND THE EXTERIOR BOUNDARY OF TRACT 6713 ON OUR WESTERLY LINE TO THE ORIGINAL CENTERLINE OF DEPOT ROAD, WHEN IT WAS A 50' RIGHT-OF-WAY. (DATA TAKEN FROM TITLE REPORT SUPPLIED BY OWNER, DATED APRIL 27, 1964.)

BENCHMARK

THE BASIS OF ELEVATION FOR THIS SURVEY IS A CITY OF HAYWARD BENCHMARK LOCATED AT THE INTERSECTION OF HESPERIAN BOULEVARD AND CATHY WAY. ELEVATION = 39.46 FEET.

SURVEY NOTE

ADDITIONAL BACKGROUND INFORMATION IS SHOWN ON THIS SHEET FROM A VARIETY OF SOURCES INCLUDING A TOPOGRAPHIC SURVEY PERFORMED BY SANDS IN 2005, DESIGN LINEWORK FROM RECORD DRAWINGS DATED MAY 2010, AND A COMPOSITE UTILITY SURVEY PERFORMED BY SANDS IN 2012.

ABBREVIATIONS

- AD - AREA DRAIN
- BCC - BUILDING CORNER
- BM - BENCHMARK
- CHSHT - SURVEY CHECK SHOT
- CPMT - SURVEY CONTROL POINT
- COL - COLUMN
- COM-PR - COMMUNICATIONS PULLBOX
- CONC - CONCRETE
- DI - DRAIN INLET
- EP - EDGE OF PAVEMENT
- EPB - ELECTRICAL PULLBOX
- FDC - FIRE DEPARTMENT CONNECTION
- FI - FIRE HYDRANT
- FL - FLOW LINE
- FND MON - FOUND SURVEY MONUMENT
- FP - FLAG POLE
- HPR - ACCESSIBLE RAMP
- LIP - LIP OF GUTTER
- MISC-VLT - MISCELLANEOUS VAULT
- OH - BUILDING OVERHANG
- PED - PAVEMENT ELEVATION
- PEL - ELECTRIC / TRAFFIC PEDESTAL
- PV - POST INDICATOR VALVE
- STL-D - DOUBLE-ARM STREET LIGHT
- STL-S - SINGLE-ARM STREET LIGHT
- STPB - STREET LIGHT PULLBOX
- TC - TOP OF CURB
- TC/CB - TOP OF CURB AT CATCH BASIN
- VLT - VAULT
- WM - WATER METER
- WV - WATER VALVE

LEGEND

ALL DISTANCES AND DIMENSIONS ARE SHOWN IN FEET AND DECIMALS THEREOF.

- BUILDING FACE
- BUILDING OVERHANG
- CURB LINE
- AERIAL TOPO EDGE OF PAVEMENT
- AERIAL TOPO CURB LINE
- AERIAL TOPO EDGE OF CONCRETE
- AERIAL TOPO PAVEMENT STRIPING
- AERIAL TOPO CURB AND GUTTER
- AERIAL TOPO CHAIN LINK FENCE
- STORM DRAIN LINE
- SANITARY SEWER LINE
- DOMESTIC WATER LINE
- FIRE WATER LINE
- NATURAL GAS LINE
- UNDERGROUND ELECTRIC LINE
- STREET LIGHT LINE
- COMMUNICATION LINE
- CHILLED WATER LINE
- DOMESTIC WATER LINE (ABANDONED)
- HIGH VOLTAGE ELECTRIC LINE
- ABANDONED ELECTRIC LINE
- JOINT TRENCH
- FIRE ALARM LINE
- ABANDONED GAS LINE
- HOT WATER LINE
- IRRIGATION LINE
- PERFORATED SD LINE
- TELEPHONE LINE
- FOUND SURVEY MONUMENT
- DRAIN INLET
- ELECTROLINER ON TOP OF POLE
- SIGN
- SPOT ELEVATION
- TREE WITH DRIPLINE, SIZE AS INDICATED

GENERAL NOTE

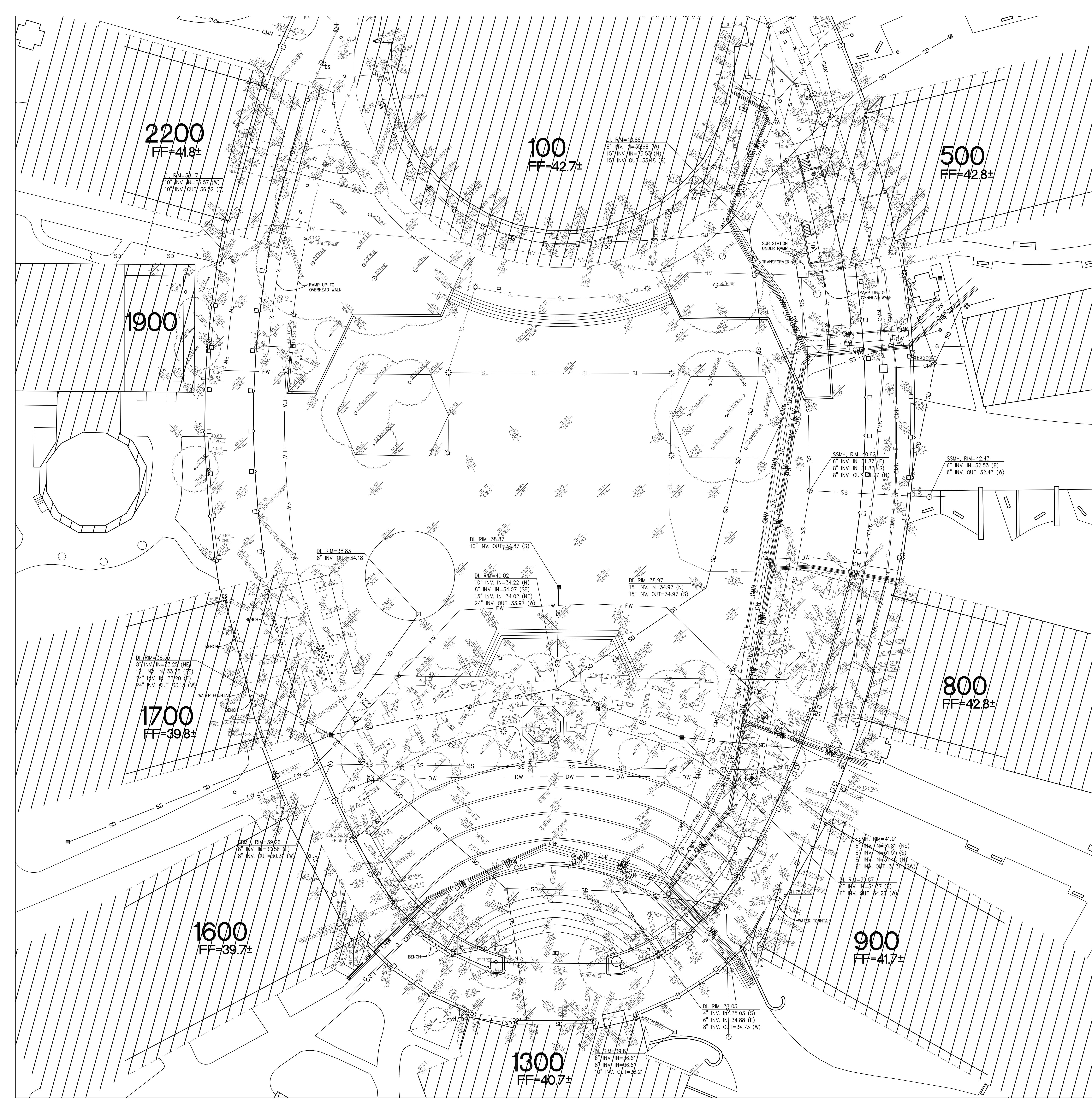
THE TOPOGRAPHIC SURVEY HAS BEEN PROVIDED BY CHABOT COLLEGE.

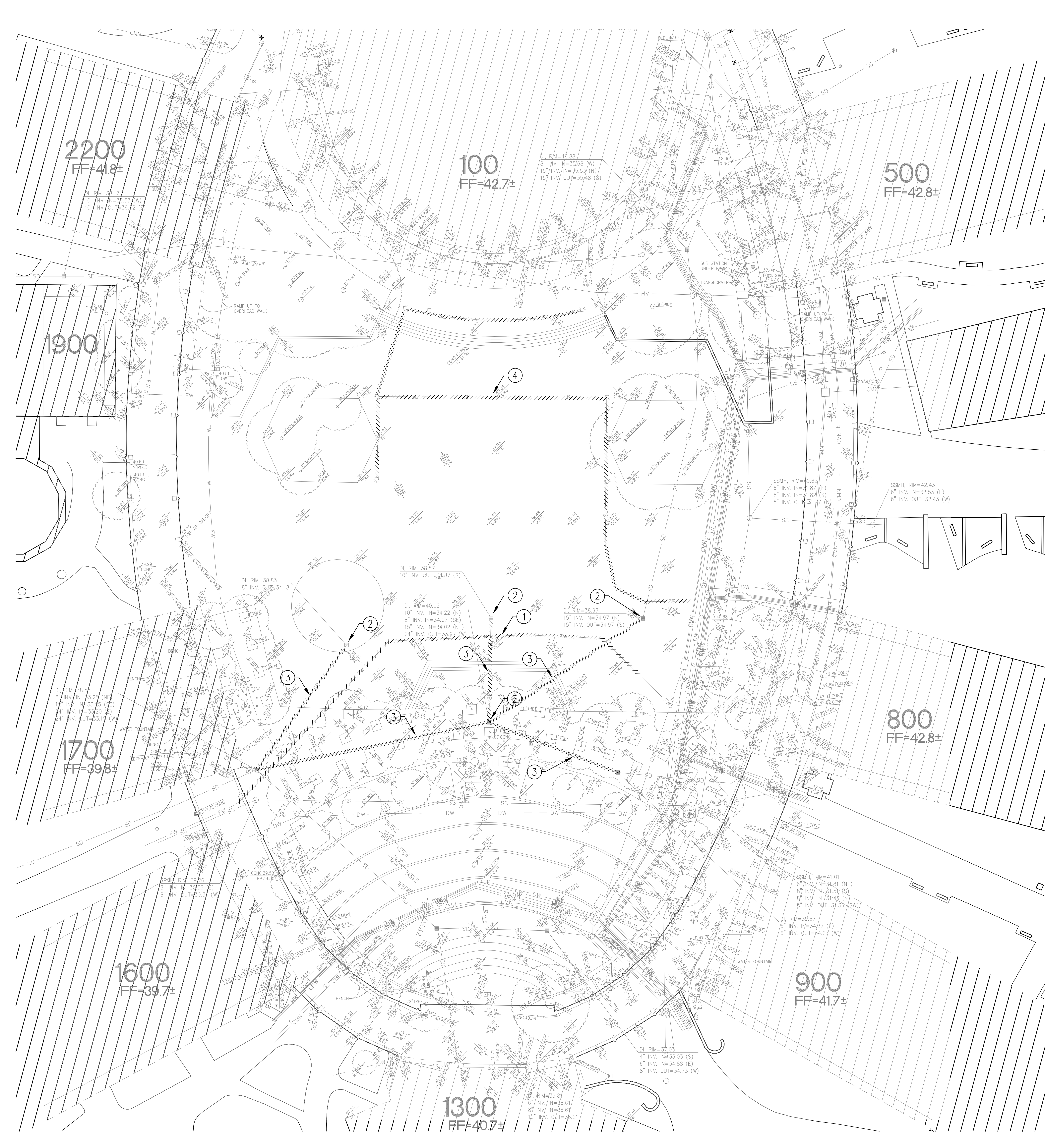
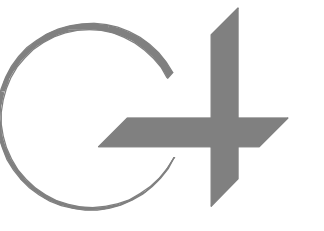
ISSUE DATE
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PROJECT NO. 19531-01

SHEET TITLE AND NO.
EXISTING
CONDITIONS

C0.0





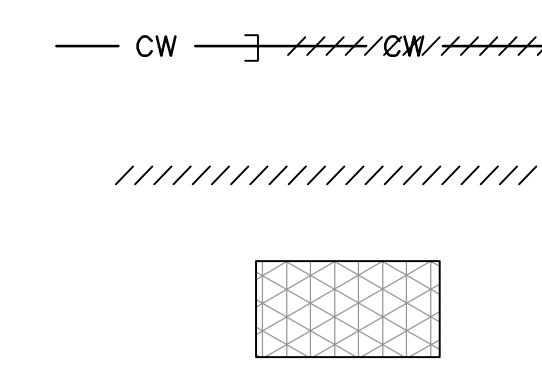
DEMOLITION NOTES

- ① DEMOLISH EXISTING 8" FIRE WATER PIPING. REFER TO C2.00 FOR RELOCATION.
- ② DEMOLISH STORM DRAIN INLET
- ③ DEMOLISH EXISTING STORM DRAIN PIPING.
- ④ DEMOLISH EXISTING ELECTRICAL LIGHTING CONDUIT.

GENERAL NOTES

- 1. ALL DEMOLITION REQUIRES A JOB NUMBER FROM BAY AREA AIR QUALITY MANAGEMENT DISTRICT (BAAQMD). CONTRACTOR SHALL APPLY FOR NECESSARY PERMITS PRIOR TO DEMOLITION.
- 2. CONTRACTOR SHALL PROTECT PEDESTRIANS FROM DEMOLITION WORKS PER CBC 3303.2 and CBC 3303.6
- 3. CONTRACTOR SHALL PREVENT SURFACE WATER AND GROUNDWATER ACCUMULATION IN TRENCHES BY DEWATERING PER SPECIFICATION SECTION 31 23 00 EXCAVATION AND FILL.
- 4. CONTRACTOR SHALL COORDINATE WITH CAMPUS FACILITIES FOR THE REMOVAL OF EXISTING SJWC WATER LINES AND ANY EXISTING WATER METERS.
- 5. ALL ABANDON UTILITIES THAT ARE 6" OR GREATER SHALL BE REMOVED COMPLETELY.
- 6. FOR ADDITIONAL SITE DEMOLITION INFORMATION SEE ARCHITECTURAL SITE DEMOLITION PLAN ON SHEETS.

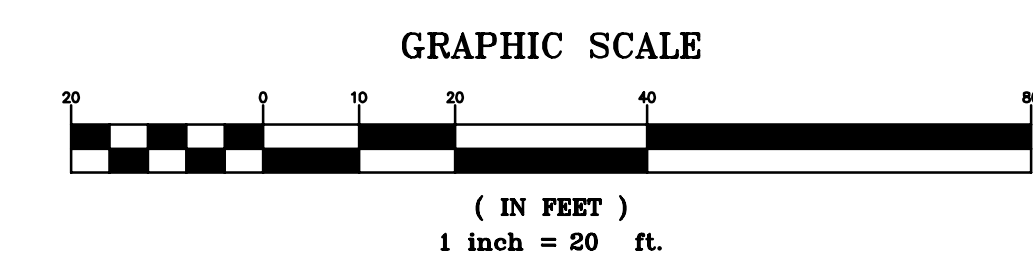
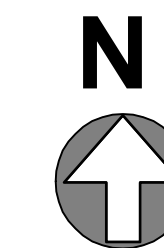
LEGEND

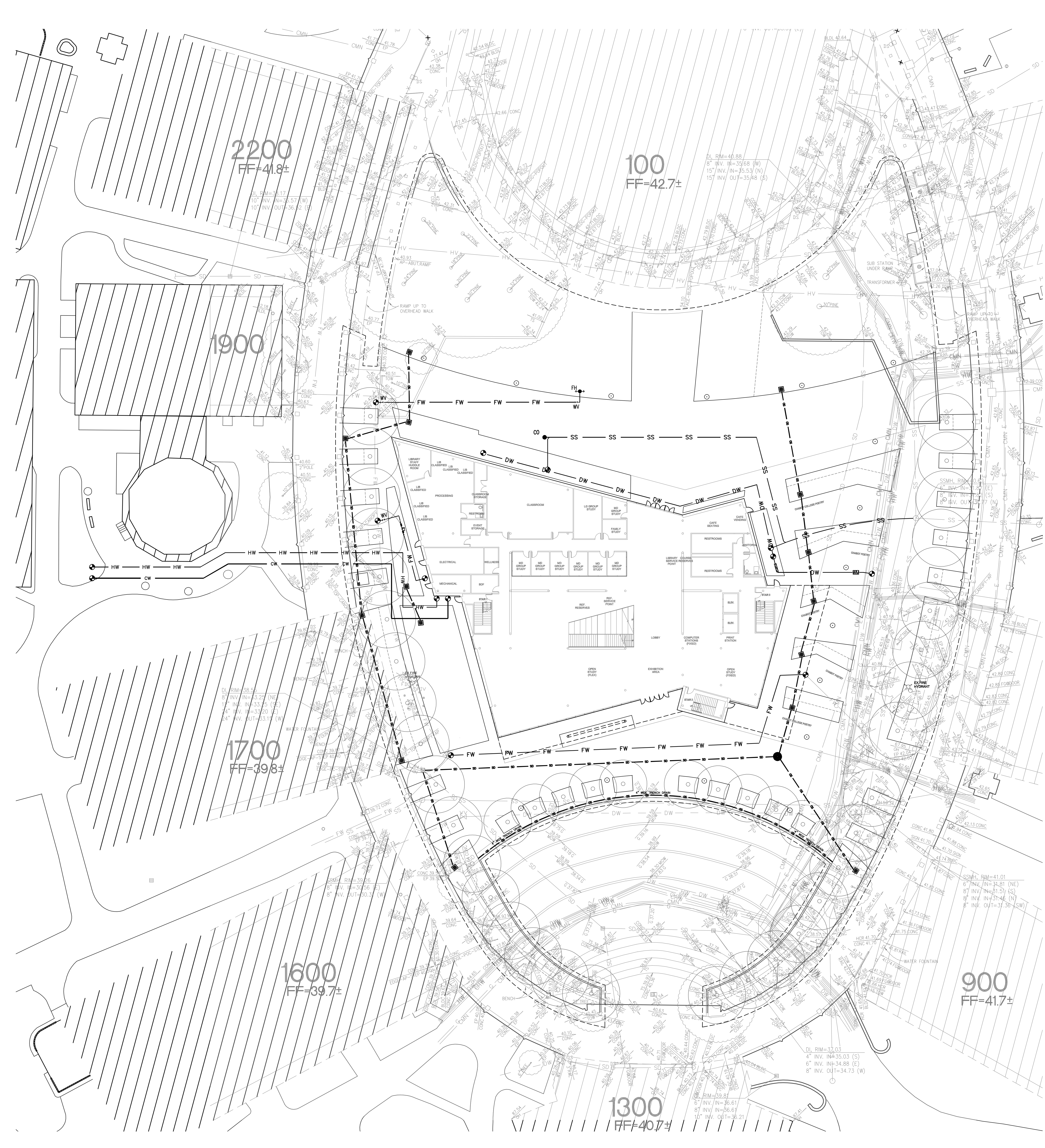


CUT AND CAP EXISTING UTILITY AND ABANDON IN PLACE

DEMO AND REMOVE EXISTING UTILITIES

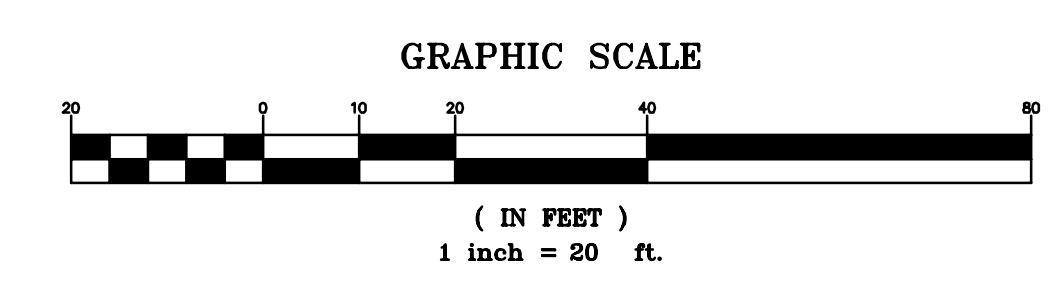
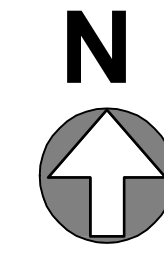
UNIVERSITY HOUSE TO BE REMOVED BY THE UNIVERSITY UNDER A SEPARATE CONTRACT. ALL UTILITIES SERVING THE BUILDING TO BE CAPPED AND TERMINATED UNDER SAID CONTRACT.



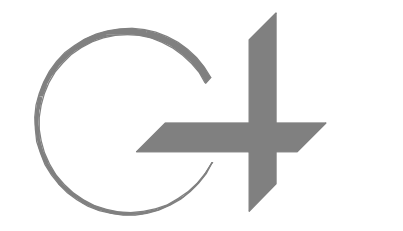


LEGEND

- DW — DW — DOMESTIC WATER PIPE
- FW — FW — FIRE WATER PIPE
- SS — SS — SANITARY SEWER PIPE
- SD — SD — STORM DRAIN PIPE
- PP — PP — PERFORATED PIPE
- HW — HW — HOT WATER PIPE (SHOWN FOR COORDINATION)
SEE SITE MECHANICAL PLANS FOR DETAILS
- CW — CW — CHILLED WATER PIPE (SHOWN FOR COORDINATION)
SEE SITE MECHANICAL PLANS FOR DETAILS
- — — — — LIMIT OF WORK
- CO CLEANOUT
- ⊠ RPB REDUCED PRESSURE PRINCIPAL BACKFLOW
- ⊠ DCDF DOUBLE CHECK DETECTOR BACKFLOW
- FD FC FIRE DEPARTMENT CONNECTION
- FH FH FIRE HYDRANT
- WM WM WATER METER
- PC POINT OF CONNECTION
- SDM STORM DRAIN MANHOLE
- WV WATER VALVE
- PAD PROPOSED AREA DRAIN
- DI/DRAIN INLET / BUBBLER



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PROJECT NO. 19531-01
SHEET TITLE AND NO.
SITE
UTILITY
PLAN

C2.0



(E) BLDG 100
 #24326
 #56068
 #100862
 #104993
 #113847
 #115158

(E) BLDG 1700
 #24326
 #111779

(E) BLDG 1600
 #24326
 #110976

(E) BLDG 1300
 #101505

(E) BLDG 900
 #108817

(E) BLDG 800
 #108817

SHEET NOTES

1. SEE LANDSCAPE DRAWINGS FOR SITE PLAN DETAILS.
 2. SEE TELECOM NARRATIVE AND CIVIL, ELECTRICAL, AND MECHANICAL DRAWINGS FOR SITE UTILITY WORK

LEGEND

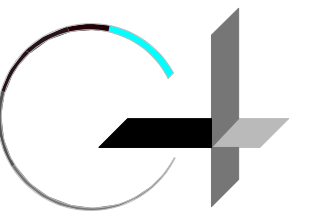
--- ASSUMED PROPERTY LINE

----- 1HR RATED EXTERIOR WALL

▲ ENTRY/EXIT

▲ EXIT ONLY

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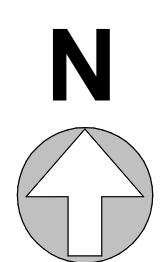
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PROJECT NO. 19531-01

SHEET TITLE AND NO.
 BUILDING SITE
 PLAN

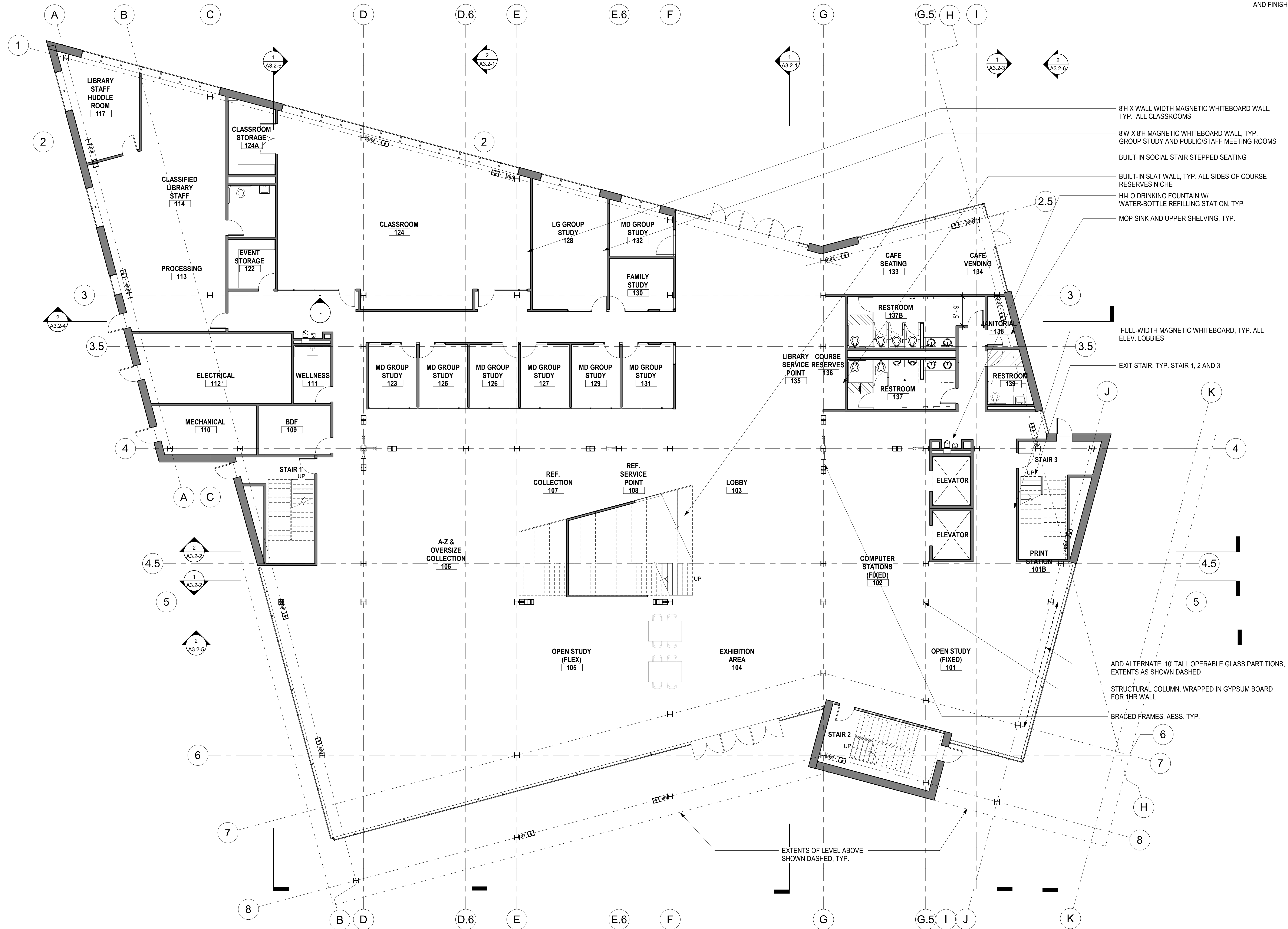


1 SP- SITE PLAN
 1/16" = 1'-0"

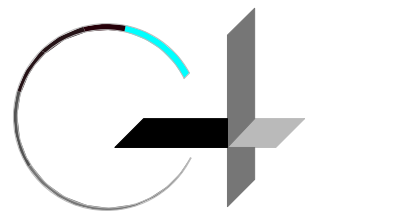
A1.1-1

SHEET NOTES

1. SEE AV NARRATIVE FOR AV EQUIPMENT AND LOCATIONS
2. SEE TELECOM AND SECURITY NARRATIVE FOR BDF AND IDF EQUIPMENT
3. SEE ELECTRICAL DRAWINGS LAYOUT OF ELECTRICAL ROOMS AND EQUIPMENT
4. SEE PLUMBING DRAWINGS FOR PLUMBING FIXTURES AND EQUIPMENT
5. SEE A4 FINISH PLANS FOR FLOOR FINISHES
6. SEE A3 EXTERIOR ELEVATIONS FOR EXTERIOR MATERIALS AND FINISHES



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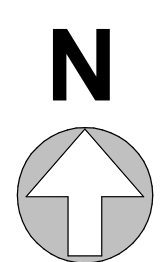
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PROJECT NO. 19531-01

SHEET TITLE AND NO.
OVERALL/REFERENCE
FLOOR PLAN-
FIRST FLOOR

A2.4-1

1 L1- FIRST FLOOR PLAN
1/8" = 1'-0"



8'W X 8'H MAGNETIC WHITEBOARD WALL, TYP.
GROUP STUDY AND PUBLIC/STAFF MEETING ROOMS

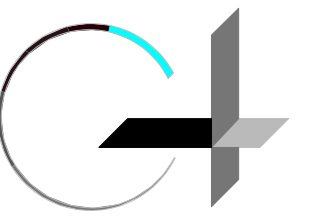
8'H X WALL WIDTH MAGNETIC WHITEBOARD
WALL, TYP. ALL CLASSROOMS

HIGH-PRESSURE LAMINATE
COUNTERTOP AND STORAGE CABINETS

SHEET NOTES

1. SEE AV NARRATIVE FOR AV EQUIPMENT AND LOCATIONS
2. SEE TELECOM AND SECURITY NARRATIVE FOR BDF AND IDF EQUIPMENT
3. SEE ELECTRICAL DRAWINGS LAYOUT OF ELECTRICAL ROOMS AND EQUIPMENT
4. SEE PLUMBING DRAWINGS FOR PLUMBING FIXTURES AND EQUIPMENT
5. SEE A4 FINISH PLANS FOR FLOOR FINISHES
6. SEE A3 EXTERIOR ELEVATIONS FOR EXTERIOR MATERIALS AND FINISHES

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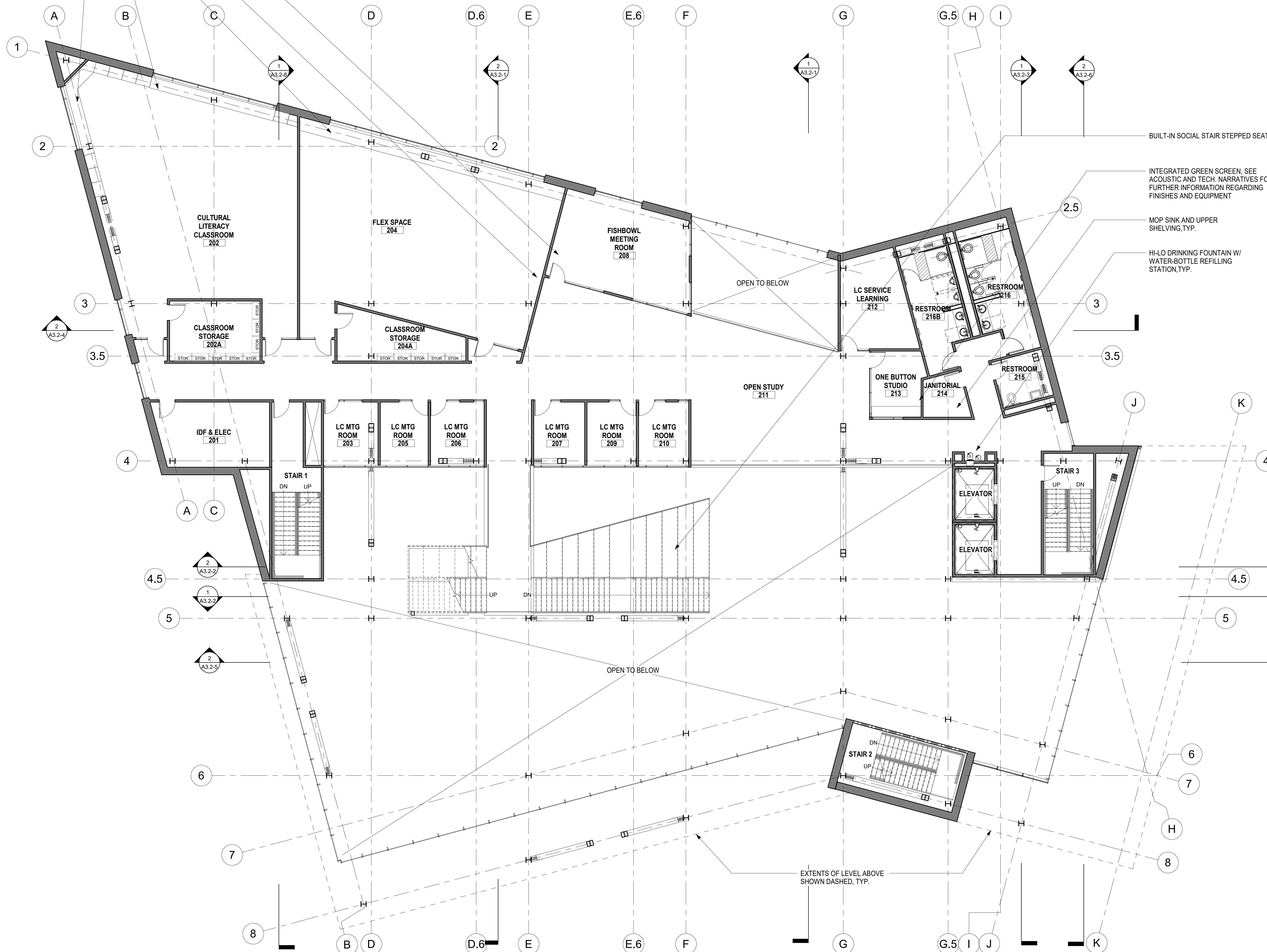
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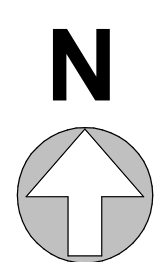
PROJECT NO. 19531-01

SHEET TITLE AND NO.
OVERALL/REFERENCE
FLOOR PLAN-
FIRST FLOOR LOFT

A2.4-2



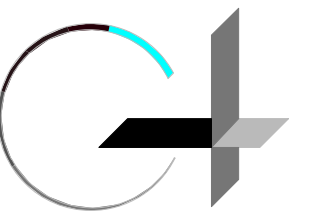
① L1L - FIRST FLOOR LOFT PLAN
1/8" = 1'-0"



SHEET NOTES

1. SEE AV NARRATIVE FOR AV EQUIPMENT AND LOCATIONS
2. SEE TELECOM AND SECURITY NARRATIVE FOR BDF AND IDF EQUIPMENT
3. SEE ELECTRICAL DRAWINGS LAYOUT OF ELECTRICAL ROOMS
4. SEE PLUMBING DRAWINGS FOR PLUMBING FIXTURES AND EQUIPMENT
5. SEE A4 FINISH PLANS FOR FLOOR FINISHES 6. SEE A3 EXTERIOR ELEVATIONS FOR EXTERIOR MATERIALS AND FINISHES

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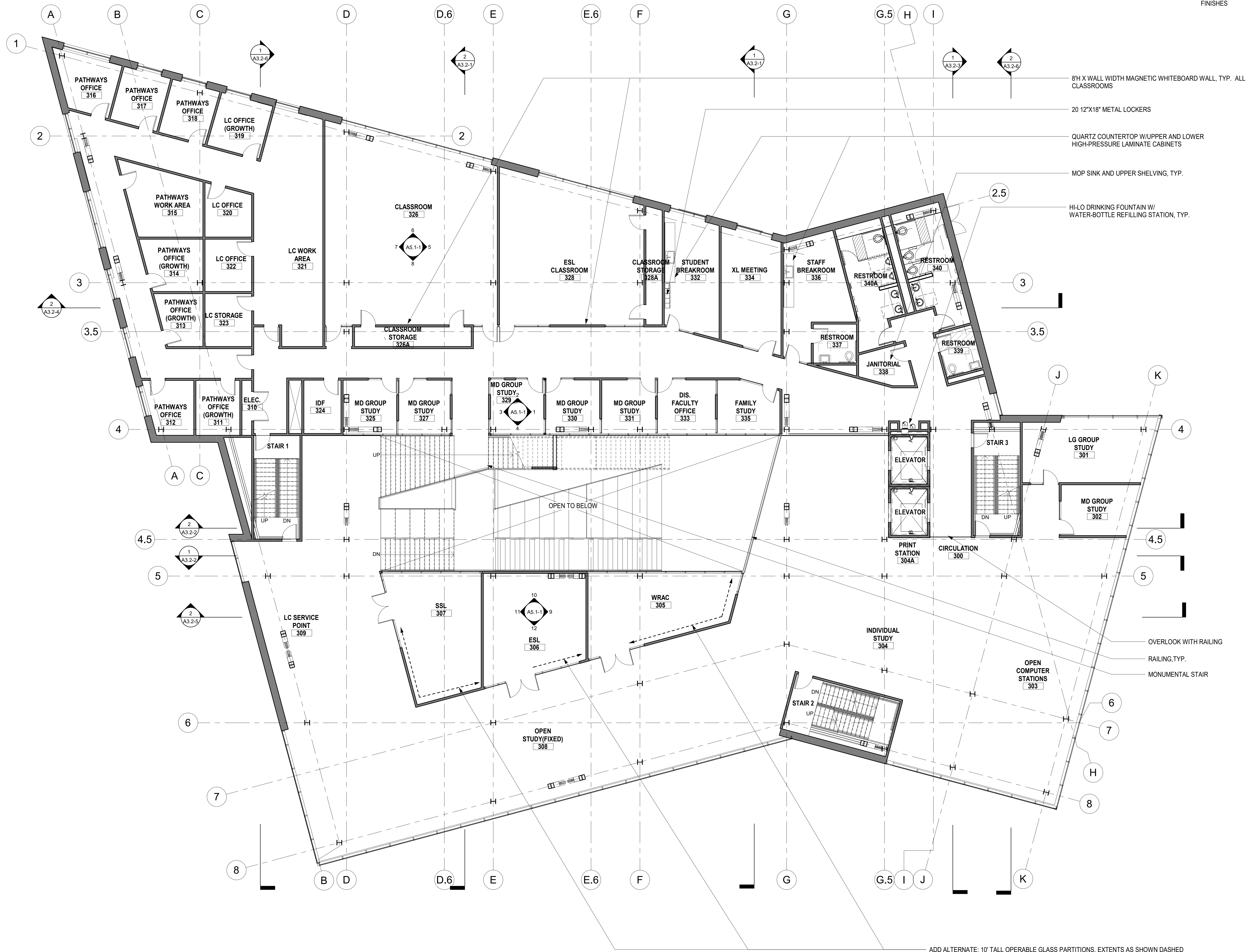


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8'X WALL WIDTH MAGNETIC WHITEBOARD WALL, TYP. ALL CLASSROOMS

20 12"x18" METAL LOCKERS

QUARTZ COUNTERTOP W/UPPER AND LOWER HIGH-PRESSURE LAMINATE CABINETS

MOP SINK AND UPPER SHELVING, TYP.

HI-LO DRINKING FOUNTAIN W/ WATER-BOTTLE REFILLING STATION, TYP.

OVERLOOK WITH RAILING

RAILING, TYP.

MONUMENTAL STAIR

ADD ALTERNATE: 10' TALL OPERABLE GLASS PARTITIONS, EXTENTS AS SHOWN DASHED

1 L2 - SECOND FLOOR - SECOND FLOOR LOFT PLAN
1/8" = 1'-0"

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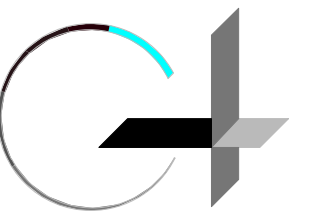
PROJECT NO. 19531-01
SHEET TITLE AND NO.
OVERALL/REFERENCE
FLOOR PLAN-
SECOND/SECOND
FLOOR LOFT

A2.4-3

SHEET NOTES

1. SEE AV NARRATIVE FOR AV EQUIPMENT AND LOCATIONS
2. SEE TELECOM AND SECURITY NARRATIVE FOR IDF AND IDF EQUIPMENT
3. SEE ELECTRICAL DRAWINGS LAYOUT OF ELECTRICAL ROOMS AND EQUIPMENT
4. SEE PLUMBING DRAWINGS FOR PLUMBING FIXTURES AND EQUIPMENT
5. SEE A4 FINISH PLANS FOR FLOOR FINISHES 6. SEE A3 EXTERIOR ELEVATIONS FOR EXTERIOR MATERIALS AND FINISHES

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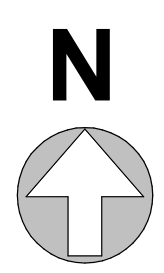
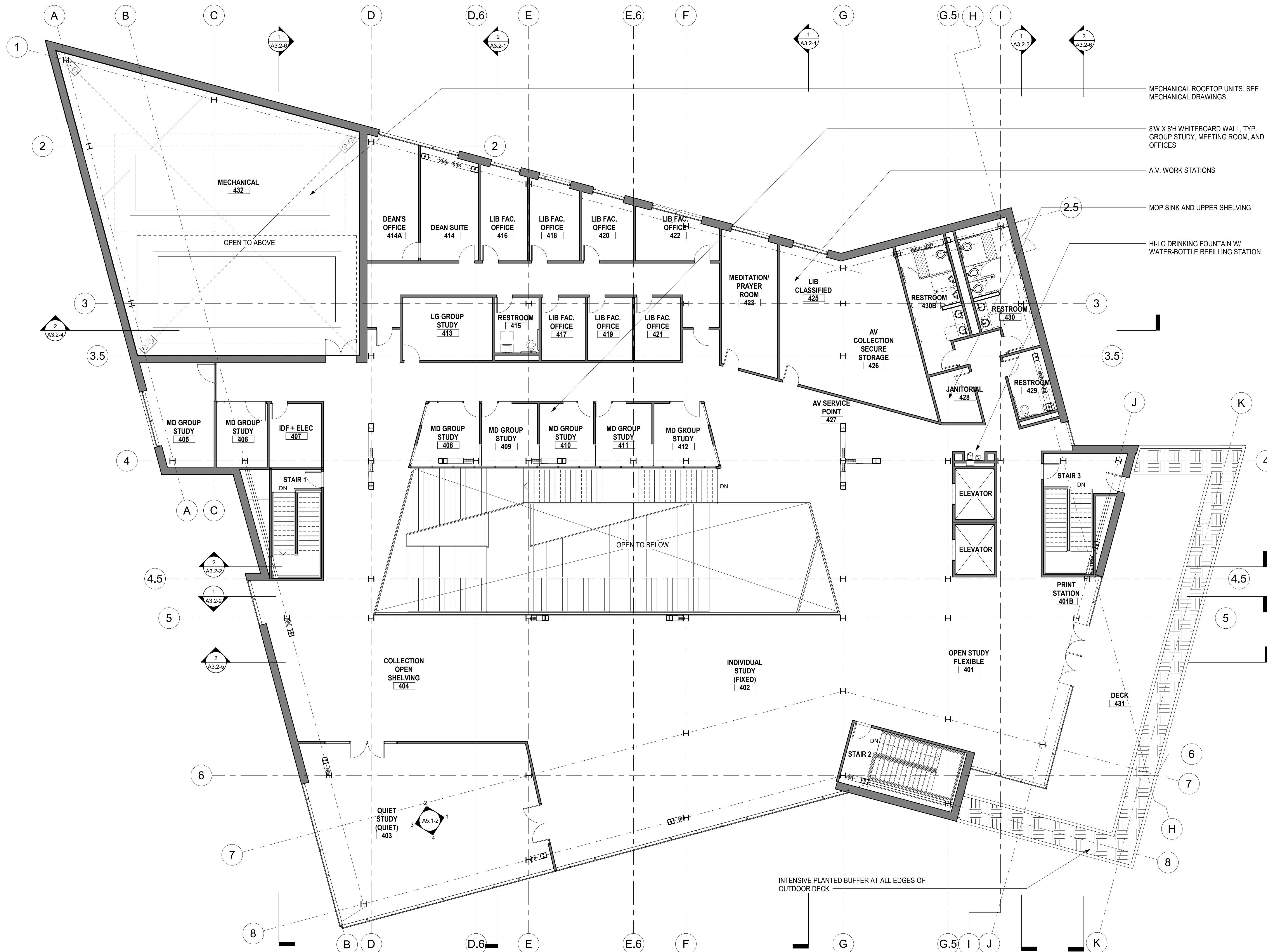
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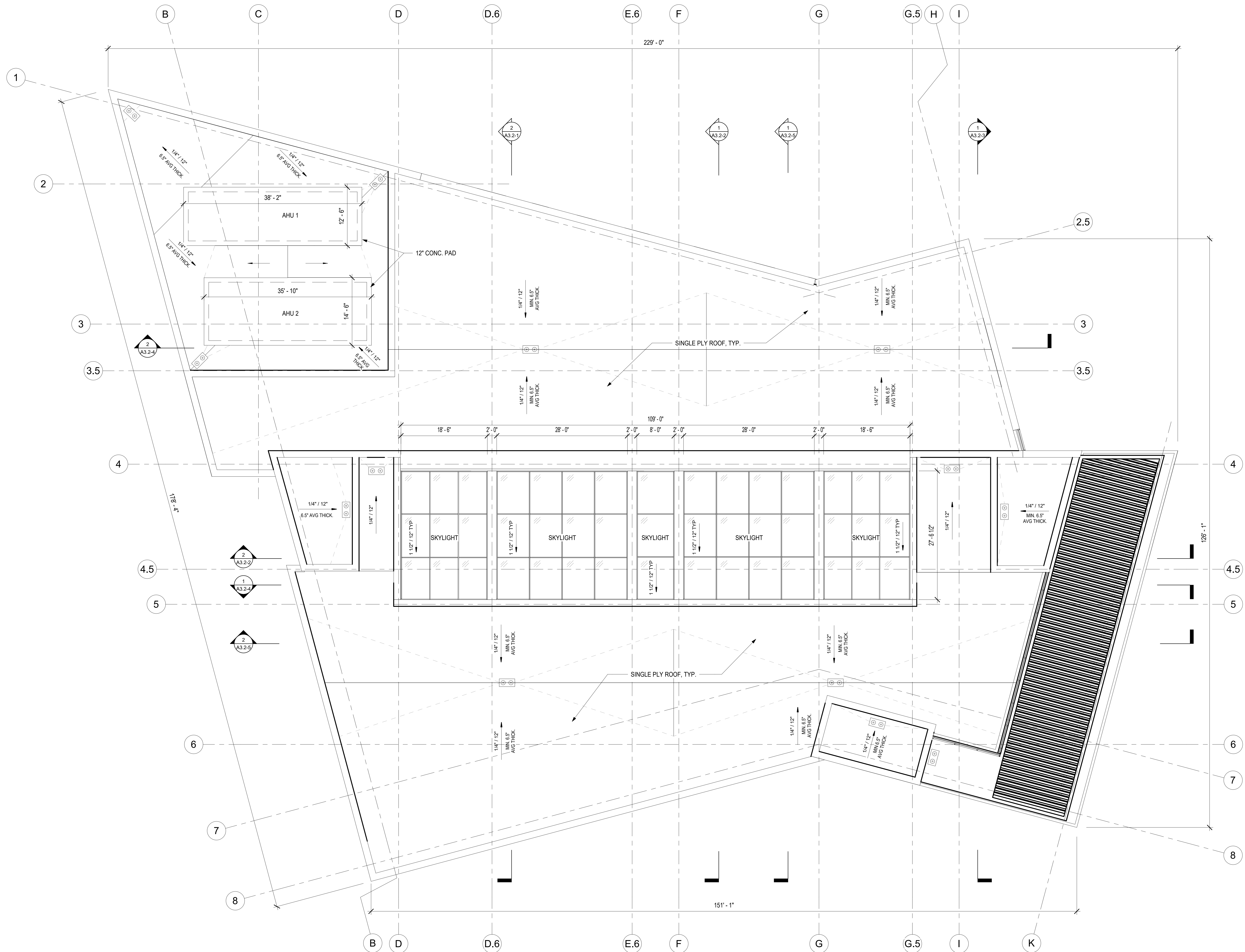
PROJECT NO. 19531-01

SHEET TITLE AND NO.
OVERALL/REFERENCE
FLOOR PLAN-
THIRD FLOOR

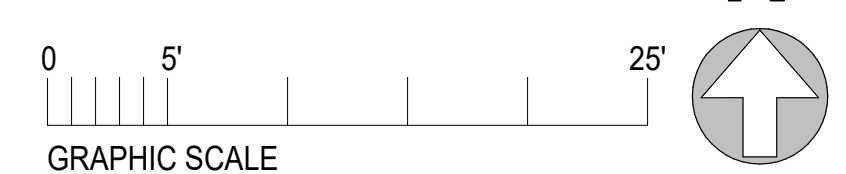
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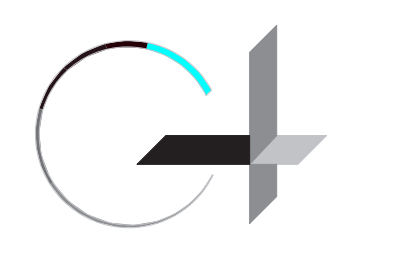
1 L3 - THIRD FLOOR PLAN
1/8" = 1'-0"



1 ROOF PLAN
1/8" = 1'-0"



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HMC Architects



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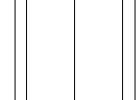
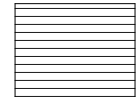
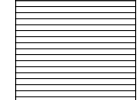
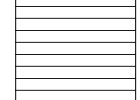
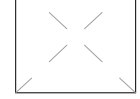
PROJECT NO. 19531-01
ROOF PLAN

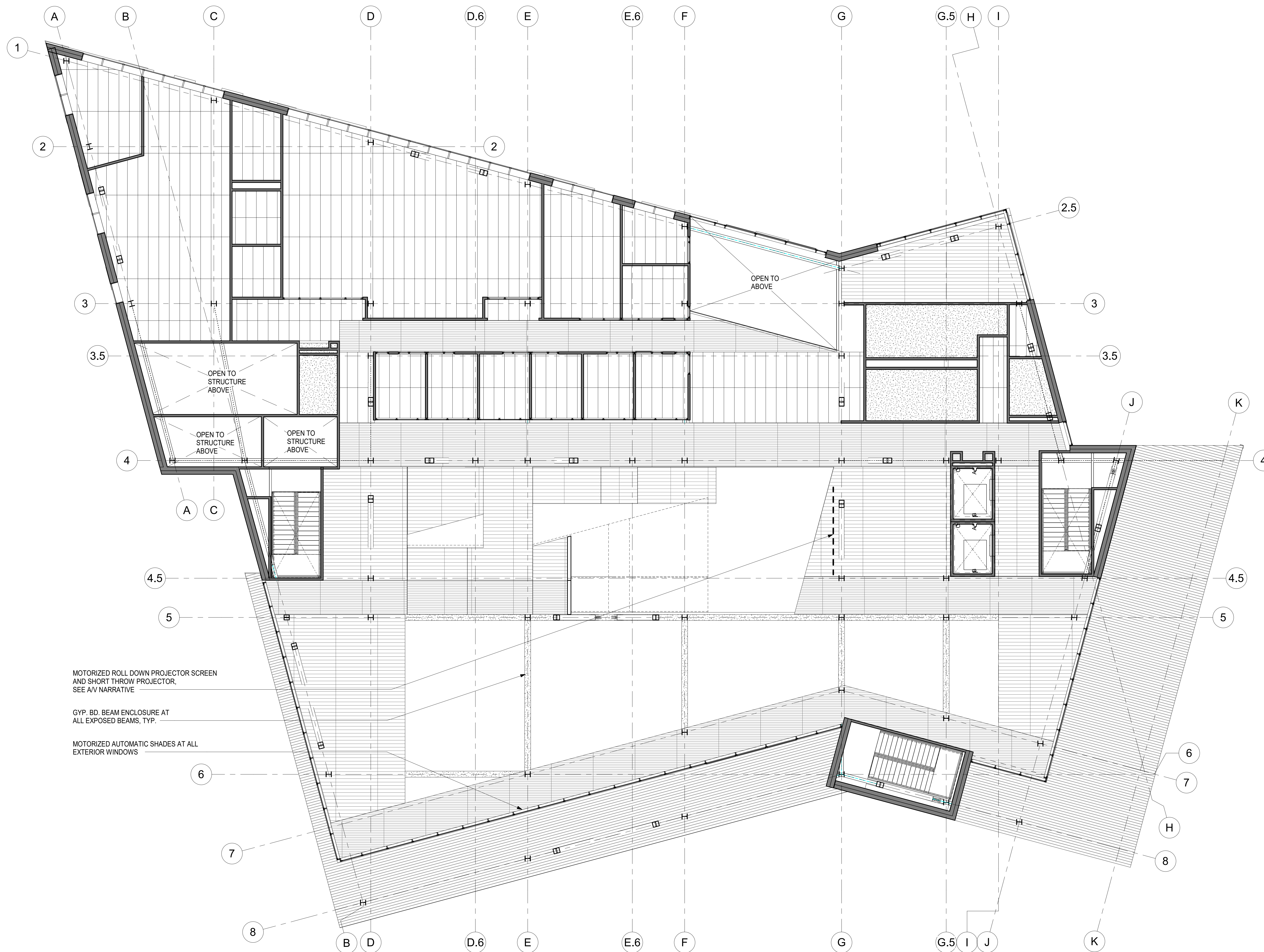
A2.4-5

SHEET NOTES

1. SEE OUTLINED SPECIFICATIONS FOR CEILING TYPES AND SPECIFICATIONS.
2. PROVIDE 2'-6" WIDE GYP. BD. ENCLOSURE AT ALL PRIMARY BEAMS AND COLUMNS, TYP. ALL EXPOSED STRUCTURE FINISHES
3. SEE LIGHTING NARRATIVE FOR STRATEGY

REFLECTED CEILING PLAN LEGEND

-  G-1: GYPSUM BOARD CEILING
-  ACT-1: 2' X 8' HIGH FINISH ACOUSTIC CEILING TILE
-  WOOD LOOK METAL SLAT EXTERIOR SOFFIT
-  WOOD GRILLE CEILING W/ACOUSTICAL BACKER [RULON, 9WOOD OR E.Q.]
-  WOOD SLAT CEILING W/ACOUSTICAL BACKER [RULON, 9WOOD OR E.Q.]
-  OPEN TO STRUCTURE ABOVE

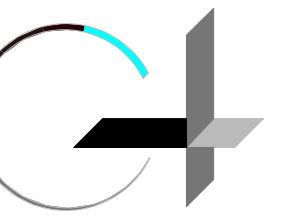


MOTORIZED ROLL DOWN PROJECTOR SCREEN AND SHORT THROW PROJECTOR, SEE AV NARRATIVE

GYP. BD. BEAM ENCLOSURE AT ALL EXPOSED BEAMS, TYP.

MOTORIZED AUTOMATIC SHADES AT ALL EXTERIOR WINDOWS

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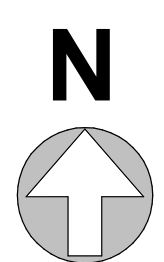
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PROJECT NO. 19531-01

SHEET TITLE AND NO.
REFLECTED
CEILING PLAN-
FIRST FLOOR

A6.0-1

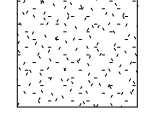
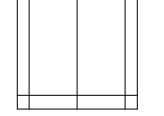
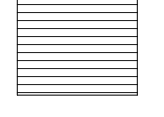
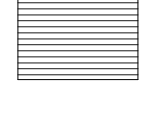

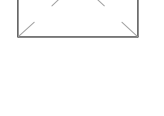
1 CP - L1 - FIRST FLOOR
1/8" = 1'-0"

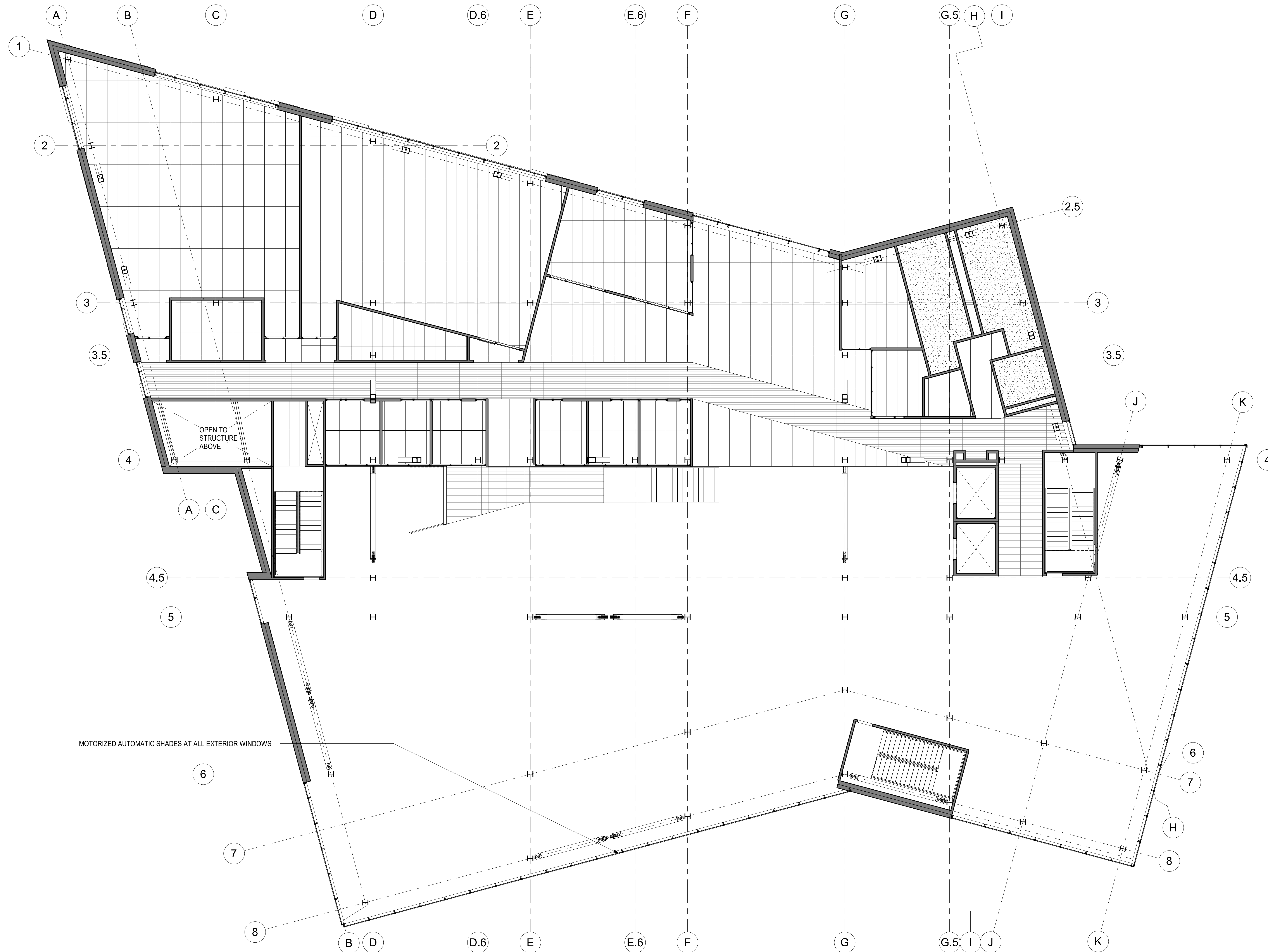


SHEET NOTES

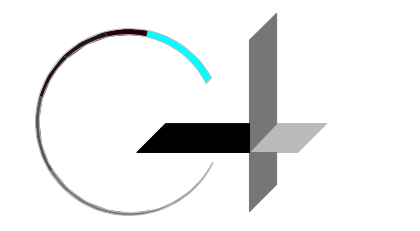
1. SEE OUTLINED SPECIFICATIONS FOR CEILING TYPES AND SPECIFICATIONS
2. PROVIDE 2'-6" WIDE GYP. BD. ENCLOSURE AT ALL PRIMARY BEAMS AND COLUMNS, TYP. ALL EXPOSED STRUCTURE FINISHES
3. SEE LIGHTING NARRATIVE FOR STRATEGY

REFLECTED CEILING PLAN LEGEND

-  G-1: GYPSUM BOARD CEILING
-  ACT-1: 2' X 8' HIGH FINISH ACOUSTIC CEILING TILE
-  WOOD LOOK METAL SLAT EXTERIOR SOFFIT
-  WOOD GRILLE CEILING W/ACOUSTICAL BACKER [RULON, 9WOOD OR E.Q.]
-  WOOD SLAT CEILING W/ACOUSTICAL BACKER [RULON, 9WOOD OR E.Q.]
-  OPEN TO STRUCTURE ABOVE



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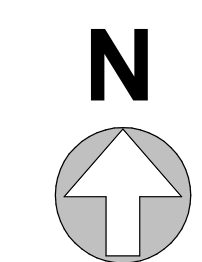
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ISSUE DATE
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PROJECT NO. 19531-01

SHEET TITLE AND NO.
REFLECTED
CEILING PLAN-
FIRST FLOOR LOFT

A6.0-2



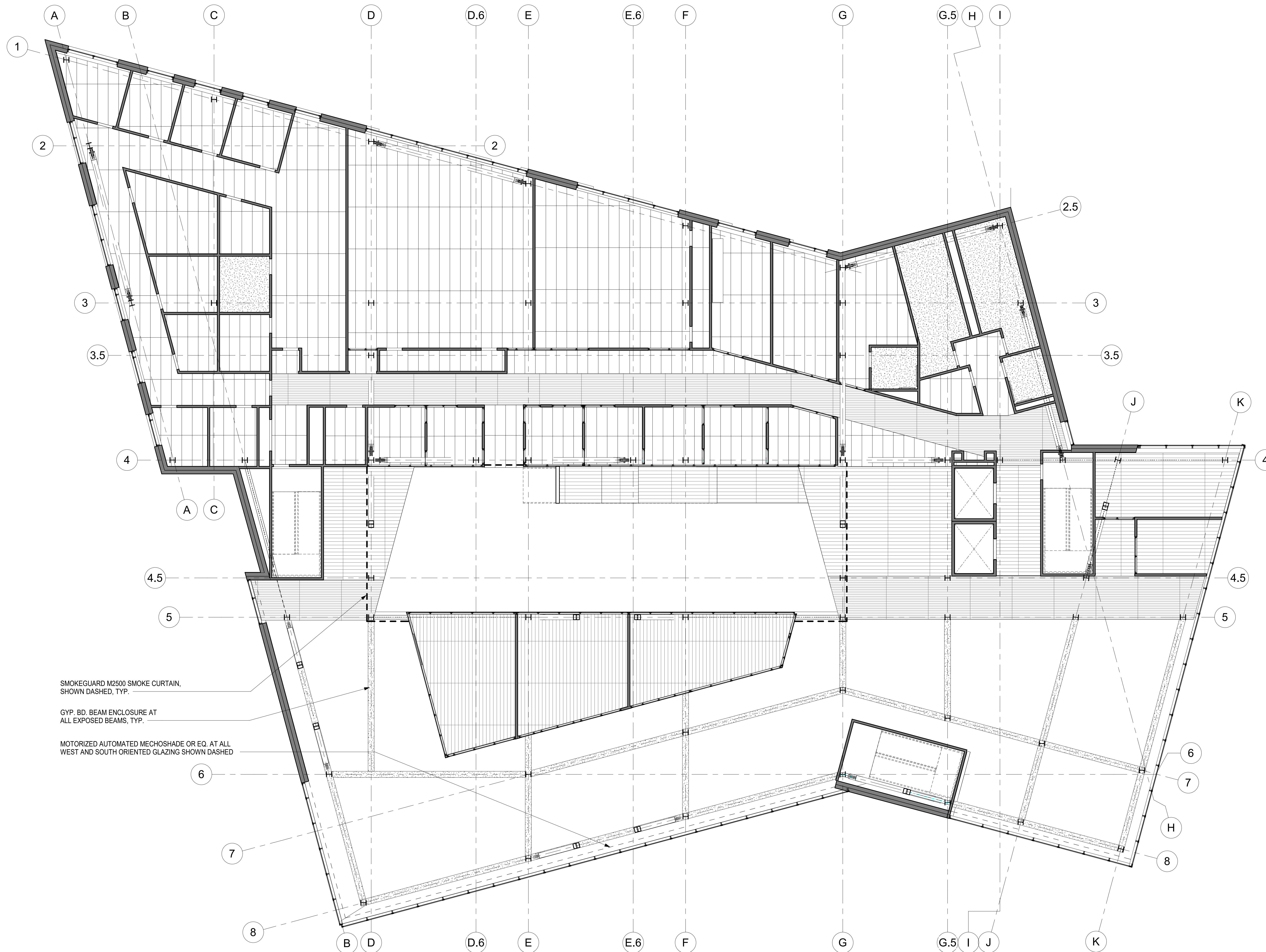
1 CP - L1L - FIRST LOFT FLOOR
1/8" = 1'-0"

SHEET NOTES

1. SEE OUTLINED SPECIFICATIONS FOR CEILING TYPES AND SPECIFICATIONS
2. PROVIDE 2'-6" WIDE GYP. BD. ENCLOSURE AT ALL PRIMARY BEAMS AND COLUMNS, TYP. ALL EXPOSED STRUCTURE FINISHES
3. SEE LIGHTING NARRATIVE FOR STRATEGY

REFLECTED CEILING PLAN LEGEND

-  G-1: GYPSUM BOARD CEILING
-  ACT-1: 2' X 8' HIGH FINISH ACOUSTIC CEILING TILE
-  WOOD LOOK METAL SLAT EXTERIOR SOFFIT
-  WOOD GRILLE CEILING W/ACOUSTICAL BACKER [RULON, 9WOOD OR E.Q.]
-  WOOD SLAT CEILING W/ACOUSTICAL BACKER [RULON, 9WOOD OR E.Q.]
-  OPEN TO STRUCTURE ABOVE



SMOKEGUARD M2500 SMOKE CURTAIN, SHOWN DASHED, TYP.

GYP. BD. BEAM ENCLOSURE AT ALL EXPOSED BEAMS, TYP.

MOTORIZED AUTOMATED MECHOSHADE OR EQ. AT ALL WEST AND SOUTH ORIENTED GLAZING SHOWN DASHED

1 CP - L2 - SECOND FLOOR (SOUTH)
1/8" = 1'-0"

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ISSUE DATE
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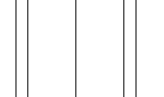
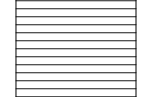
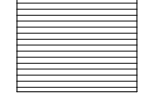
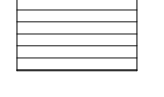
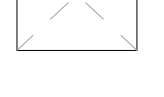
PROJECT NO. 19531-01
SHEET TITLE AND NO.
REFLECTED
CEILING PLAN-
SECOND AND
SECOND FLOOR
LOFT

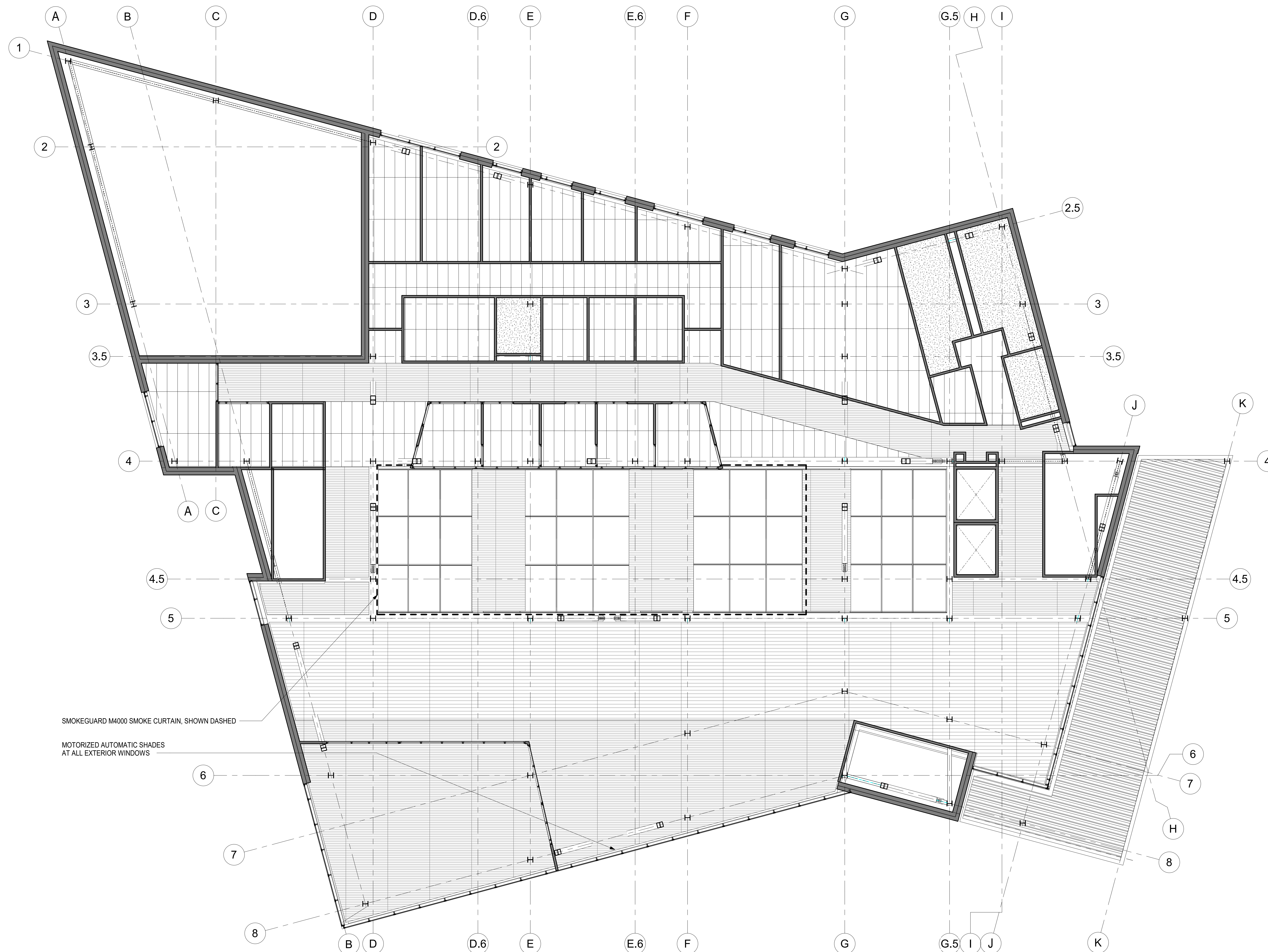
A6.0-3

SHEET NOTES

1. SEE OUTLINED SPECIFICATIONS FOR CEILING TYPES AND SPECIFICATIONS
2. PROVIDE 2'-6" WIDE GYP. BD. ENCLOSURE AT ALL PRIMARY BEAMS AND COLUMNS, TYP. ALL EXPOSED STRUCTURE FINISHES
3. SEE LIGHTING NARRATIVE FOR STRATEGY

REFLECTED CEILING PLAN LEGEND

-  G-1: GYPSUM BOARD CEILING
-  ACT-1: 2' X 8' HIGH FINISH ACOUSTIC CEILING TILE
-  WOOD LOOK METAL SLAT EXTERIOR SOFFIT
-  WOOD GRILLE CEILING W/ACOUSTICAL BACKER [RULON, 9WOOD OR E.Q.]
-  WOOD SLAT CEILING W/ACOUSTICAL BACKER [RULON, 9WOOD OR E.Q.]
-  OPEN TO STRUCTURE ABOVE



SMOKEGUARD M4000 SMOKE CURTAIN, SHOWN DASHED

MOTORIZED AUTOMATIC SHADES AT ALL EXTERIOR WINDOWS



① CP - L3 - THIRD FLOOR
1/8" = 1'-0"

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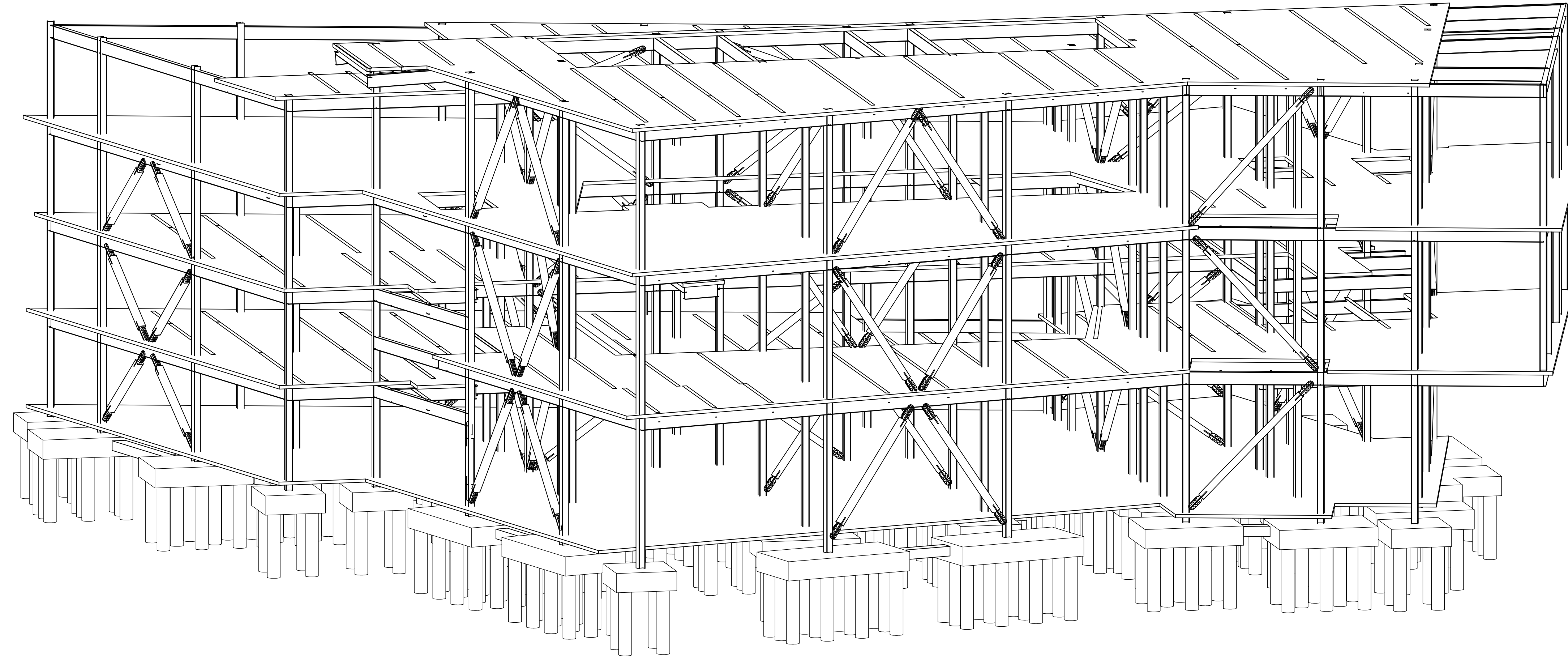
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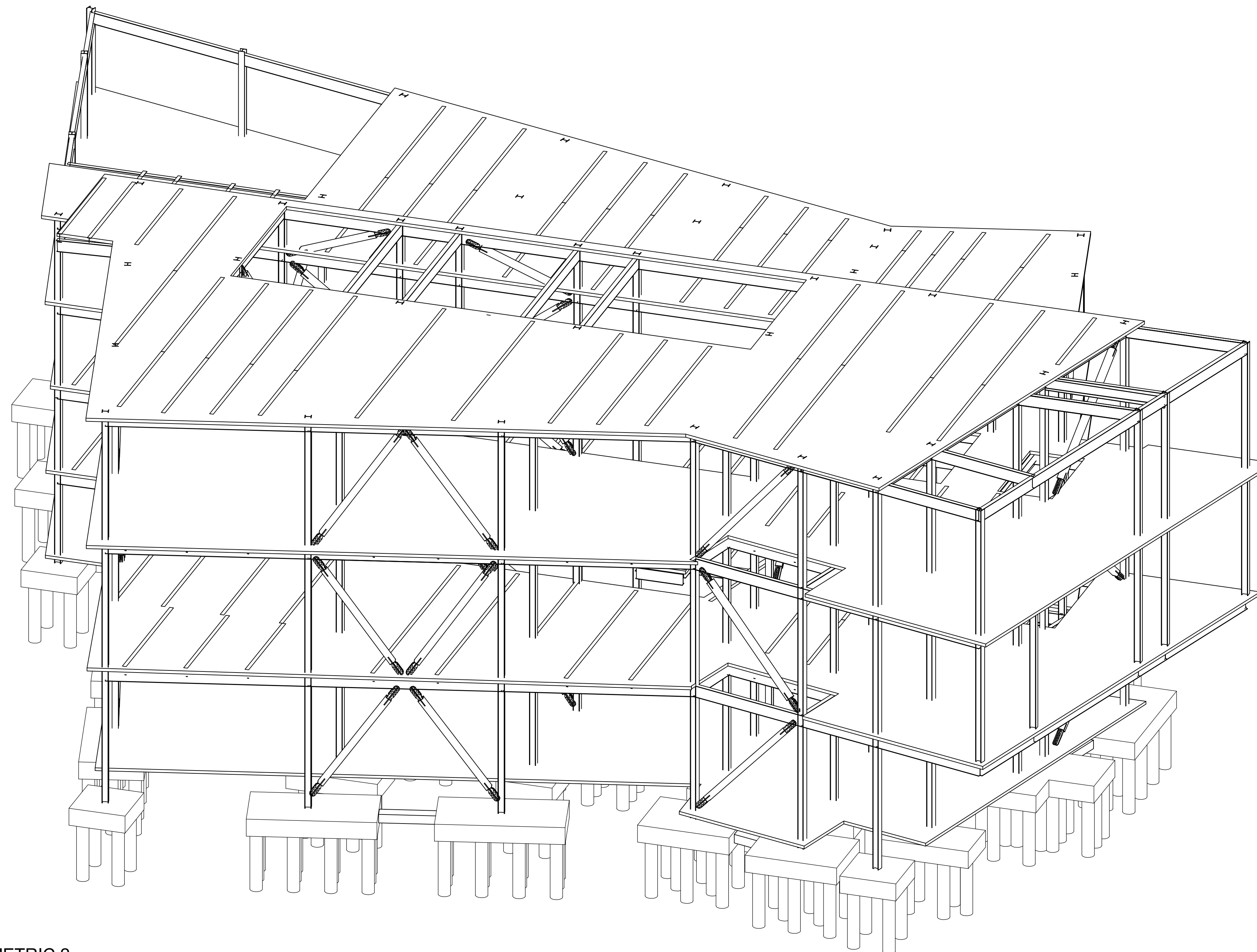
PROJECT NO. 19531-01

SHEET TITLE AND NO.
REFLECTED
CEILING
PLAN-THIRD
FLOOR

A6.0-4



1 STRUCTURAL FRAMING ISOMETRIC 1



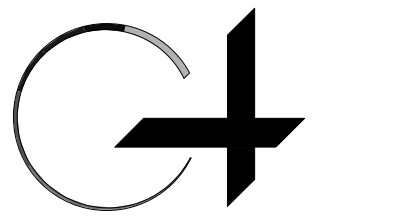
2 STRUCTURAL FRAMING ISOMETRIC 2

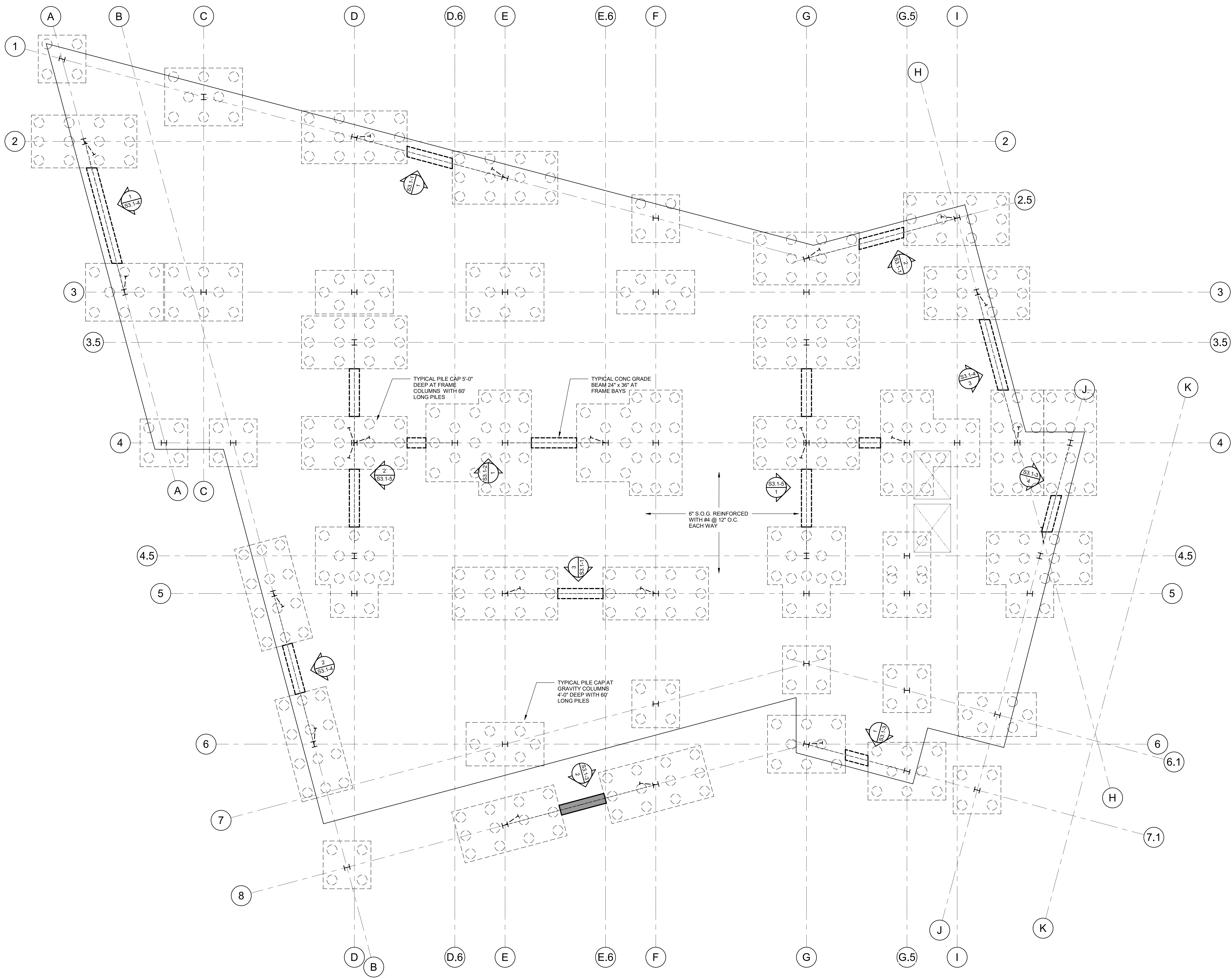
SHEET LIST	
SHEET NUMBER	SHEET NAME
S1.0-1	STRUCTURAL COVER SHEET
S1.0-2	GENERAL NOTES
S1.0-3	GENERAL NOTES
S1.0-4	SYMBOL AND NOTATIONS
S2.4-1	STRUCTURAL FLOOR PLAN - L1- FIRST FLOOR
S2.4-2	STRUCTURAL FLOOR PLAN - L1L- FIRST LOFT FLOOR
S2.4-3N	STRUCTURAL FLOOR PLAN - L2 - SECOND LOFT FLOOR
S2.4-3S	STRUCTURAL FLOOR PLAN - L2 - SECOND FLOOR
S2.4-4	STRUCTURAL FLOOR PLAN - L3 - THIRD FLOOR
S2.4-5N	STRUCTURAL FLOOR PLAN - RF - T.O. NORTH ROOF
S2.4-5S	STRUCTURAL FLOOR PLAN - RF - T.O. SOUTH ROOF
S3.1-1	BRACED FRAME ELEVATIONS
S3.1-2	BRACED FRAME ELEVATIONS
S3.1-3	BRACED FRAME ELEVATIONS
S3.1-4	BRACED FRAME ELEVATIONS
S3.1-5	BRACED FRAME ELEVATIONS

PURPOSE OF DRAWINGS:
 THESE STRUCTURAL DRAWINGS ARE NOT RELEASED FOR FINAL PRICING, BID, OR CONSTRUCTION AND ARE FOR COORDINATION ONLY. THESE DRAWINGS ARE A PROGRESS PRINT ONLY AND DO NOT CONVEY ALL STRUCTURAL ELEMENTS AND CONNECTIONS. THESE MAY BE USED FOR PRELIMINARY ESTIMATING PURPOSES ONLY AND CONTINGENCIES SHALL BE APPLIED APPROPRIATE WITH THE STATUS OF DESIGN AND BASED ON SIMILAR PROJECTS UNDER SIMILAR CONDITIONS.

PRIMARY STRUCTURAL QUANTITIES:
 THE FOLLOWING STRUCTURAL QUANTITIES ARE NOT ALL ENCOMPASSING, BUT GENERALLY CAPTURE THE STRUCTURAL DESIGN INTENT IN TERMS OF PRIMARY STRUCTURAL STEEL TONNAGE AND REINFORCING STEEL AT THIS TIME. THIS INFORMATION IS BASED ON THE PROGRAM AND DESIGN INTENT KNOWN AT THIS TIME, AND SHALL ONLY BE USED FOR PRELIMINARY ESTIMATING PURPOSES. ESTIMATOR SHALL INCLUDE AN APPROPRIATE CONTINGENCY FOR STEEL TONNAGE (INCLUDING STRUCTURAL AND MISCELLANEOUS STEEL), CONCRETE MATERIAL, AND REINFORCING STEEL NOT SHOWN IN THESE DRAWINGS BASED ON SIMILAR PROJECTS UNDER SIMILAR CONDITIONS.

- ALL GRAVITY GIRDERS ARE W24X55, U.N.O. ALL GRAVITY BEAMS ARE W18X50 U.N.O. ALL CANTILEVER BEAMS ARE W30X150 U.N.O.
- ALL LATERAL FRAME BEAMS ARE W24X104 U.N.O. ALL LATERAL FRAME BEAMS SHALL HAVE FULL MOMENT CONNECTIONS AT THE ENDS.
- ALL GRAVITY COLUMNS SHALL BE W12X96 U.N.O. ALL LATERAL COLUMNS SHALL BE W12X120 U.N.O.
- INCLUDE 2-3PSF ALLOWANCE FOR MISC STEEL SUCH AS FOR, KICKERS, BRACES, ETC NOT SHOWN.
- INCLUDE 2-3PSF ALLOWANCE FOR COLLECTOR BEAMS AND CONNECTIONS NOT SHOWN ON THE DRAWINGS.
- INCLUDE ALLOWANCE FOR STEEL BEAM CONNECTIONS, CUT LENGTHS, SPLICES, ETC.
- INCLUDE ALLOWANCE FOR STEEL SUPPORT FRAMING FOR SCREEN WALLS.
- INCLUDE ALLOWANCE FOR ELEVATOR GUIDERAIL TUBES AND ELEVATOR SEPARATOR BEAMS. ASSUME HSS 120X117 AT EACH GUIDERAIL CONNECTION AS A MINIMUM. ASSUME HSS 16X6X5/16 SEPARATOR BEAM. INCLUDE ALLOWANCE FOR ELEVATOR PITS, SUMP PITS NOT SHOWN ON THE DRAWINGS.
- INCLUDE ALLOWANCE FOR STAIR SUPPORT FRAMING NOT SHOWN.
- INCLUDE MISC STEEL ALLOWANCE FOR SUPPORT OF EXTERIOR CLADDING.
- INCLUDE MISC STEEL ALLOWANCE FOR SUPPORT OF RAIN SCREEN SYSTEM.
- INCLUDE ALLOWANCE FOR DEPRESSION STEEL AT EXTERIOR BALCONY.
- INCLUDE ALLOWANCE FOR PENTHOUSE FRAMING, FRAMING AT ELEVATOR OVER RUNS NOT SHOWN ON THE DRAWINGS.
- INCLUDE ALLOWANCE FOR TOPPING SLABS AT EXTERIOR BALCONY, HOUSEKEEPING PADS WITH CURB AT MEP AHU SUPPORT.

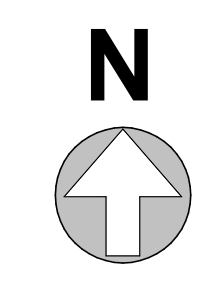




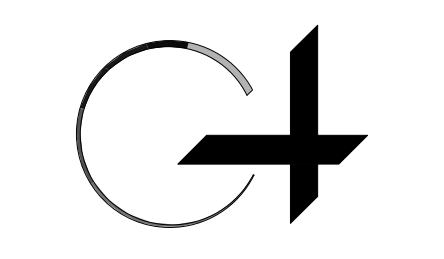
1 L1 - FIRST FLOOR
1/8" = 1'-0"

SHEET NOTES

- PLAN NOTES**
1. CIVIL DRAWINGS ELEVATION XXX.XX = DATUM ELEVATION XXX.XX.
 2. TOP OF FOUNDATION ELEVATION IS XXX.XX, UNLESS NOTED OTHERWISE ON PLAN.
 3. FLOOR STRUCTURE IS A X" THICK NORMALWEIGHT CONCRETE SLAB-ON-GRADE REINFORCED WITH WWR XXXXXXXX.
 4. PROVIDE 2-#4x4'-0" ADDITIONAL SLAB REINFORCEMENT AT ALL RE-ENTRANT CORNERS.
 5. DRILLED PIER/PIER CAP SHALL BE CENTERED ON THE CENTROID OF SUPPORTED COLUMN UNLESS NOTED OTHERWISE. WHERE TWO COLUMNS ARE SUPPORTED ON A SINGLE DRILLED PIER, PIER SHALL BE CENTERED ON THE GEOMETRIC CENTROID OF THE TWO COLUMNS.
 6. SPREAD FOOTINGS SHALL BE CENTERED ON THE CENTROID OF SUPPORTED COLUMN, UNLESS NOTED OTHERWISE.
 7. WALL FOOTINGS SHALL BE CENTERED ON THE SUPPORTED WALL, UNLESS NOTED OTHERWISE.
 8. ALIGN TOP OF GRADE BEAM WITH TOP OF ADJACENT FOOTING(S), UNLESS NOTED OTHERWISE.
 9. REFER TO SHEET SXXXX FOR FOUNDATION AND SLAB-ON-GRADE SECTIONS AND DETAILS.
 10. REFER TO SHEET SXXXX FOR FOUNDATION SCHEDULES.
 11. REFER TO SHEET SXXXX FOR COLUMN SCHEDULES.
 12. REFER TO SHEET SXXXX FOR SHEAR WALL, (BRACED FRAME) ELEVATIONS AND SCHEDULES.
 13. REFER TO ARCHITECTURAL DRAWINGS FOR EXTENTS AND DIMENSIONS OF RAISED OR DEPRESSED SLAB AREAS, SLOPES, CURBS, AND DRAINS. REFER TO TYPICAL DETAILS FOR REINFORCEMENT REQUIREMENTS.
 14. REFER TO MECHANICAL, ELECTRICAL, AND PLUMBING DRAWINGS FOR SLAB PENETRATIONS AND UNDERGROUND UTILITIES.
 15. CONTRACTOR TO FIELD VERIFY ALL EXISTING CONDITIONS AND DIMENSIONS. NOTIFY ARCHITECT AND STRUCTURAL ENGINEER OF ANY DISCREPANCIES.



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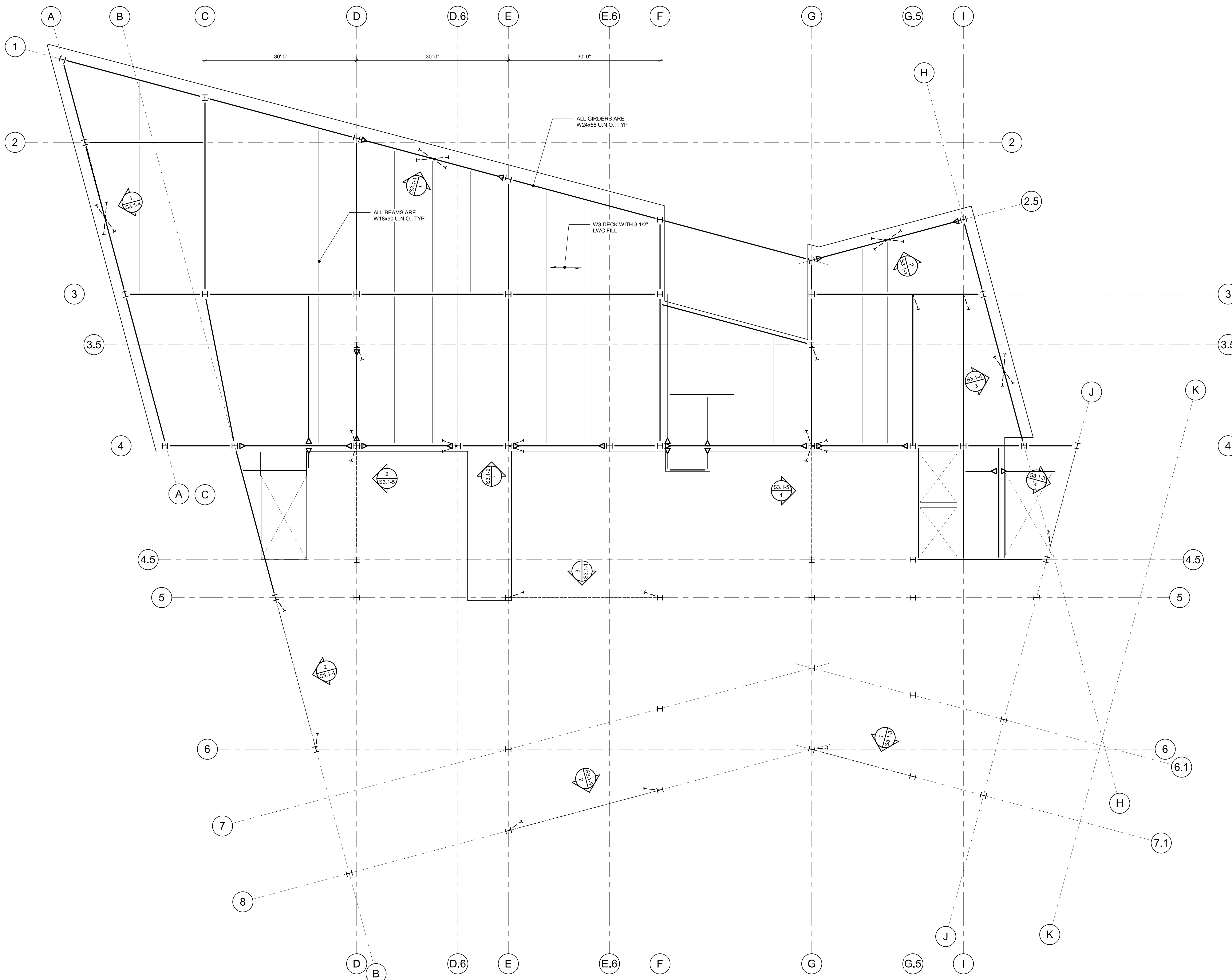
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PROJECT NO. 19531-01
SHEET TITLE AND NO.
STRUCTURAL
FLOOR PLAN - L1-
FIRST FLOOR

S2.4-1

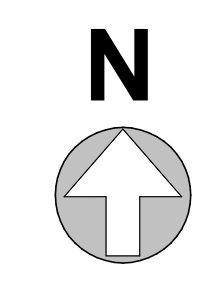


SHEET NOTES

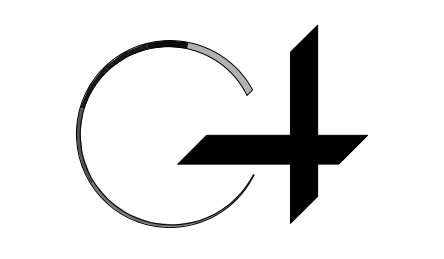
PLAN NOTES

1. TOP OF CONCRETE ELEVATION IS XXXX.XXX, UNLESS NOTED OTHERWISE ON PLAN.
2. FLOOR STRUCTURE CONSISTS OF 2" LIGHT WEIGHT CONCRETE ON X" DEEP, X GAGE GALVANIZED (XXX) COMPOSITE STEEL DECK (X" TOTAL THICKNESS). STEEL DECK SHALL BE PLACED WITH A TWO-SPAN CONDITION MINIMUM. NO SINGLE SPANS ARE ALLOWED WITHOUT WRITTEN APPROVAL OF ENGINEER-OF-RECORD. COMPOSITE SLAB SHALL BE REINFORCED WITH "WELDED SMOOTH WIRE REINFORCEMENT 6#xW2.9#x2.9# OR "MACRO SYNTHETIC FIBER AT 5.0 LBS PER CUBIC YARD OF CONCRETE" OR "MICRO/MACRO SYNTHETIC BLENDED FIBERS AT 5.0 LBS PER CUBIC YARD OF CONCRETE" OR "STEEL FIBERS AT 25 LBS PER CUBIC YARD OF CONCRETE" OR "MICRO/STEEL FIBER BLEND AT 25 LBS PER CUBIC YARD OF CONCRETE".
3. PROVIDE A CONTINUOUS 1/4" BENT PLATE WITH 1/2"x8" HEADED STUDS SPACED AT 2'-0" AT ALL SLAB EDGES AND OPENINGS, UNLESS NOTED OTHERWISE.
4. PLACE #4@12" ACROSS STEEL GIRDERS BELOW THE WELDED WIRE REINFORCEMENT PER DETAIL XXXXXXX. CENTER REINFORCING BARS AT STEEL GIRDERS.
5. ALL STEEL THAT IS PERMANENTLY EXPOSED TO THE EXTERIOR OR IS PERMANENTLY IN UNCONDITIONED SPACE SHALL BE HOT-DIPPED GALVANIZED.
6. REFER TO SHEET SXXXX FOR FLOOR FRAMING SECTIONS AND DETAILS.
7. REFER TO SHEET SXXXX FOR COLUMN SCHEDULE.
8. REFER TO SHEET SXXXX FOR BRACED FRAME (SHEAR WALL) ELEVATIONS AND SCHEDULES.
9. REFER TO MECHANICAL, ELECTRICAL, AND PLUMBING DRAWINGS FOR PENETRATIONS NOT SHOWN.
10. REFER TO TYPICAL DETAILS FOR ADDITIONAL REINFORCEMENT REQUIREMENTS AT OPENINGS.

1 L1L-FIRST LOFT FLOOR
1/8" = 1'-0"



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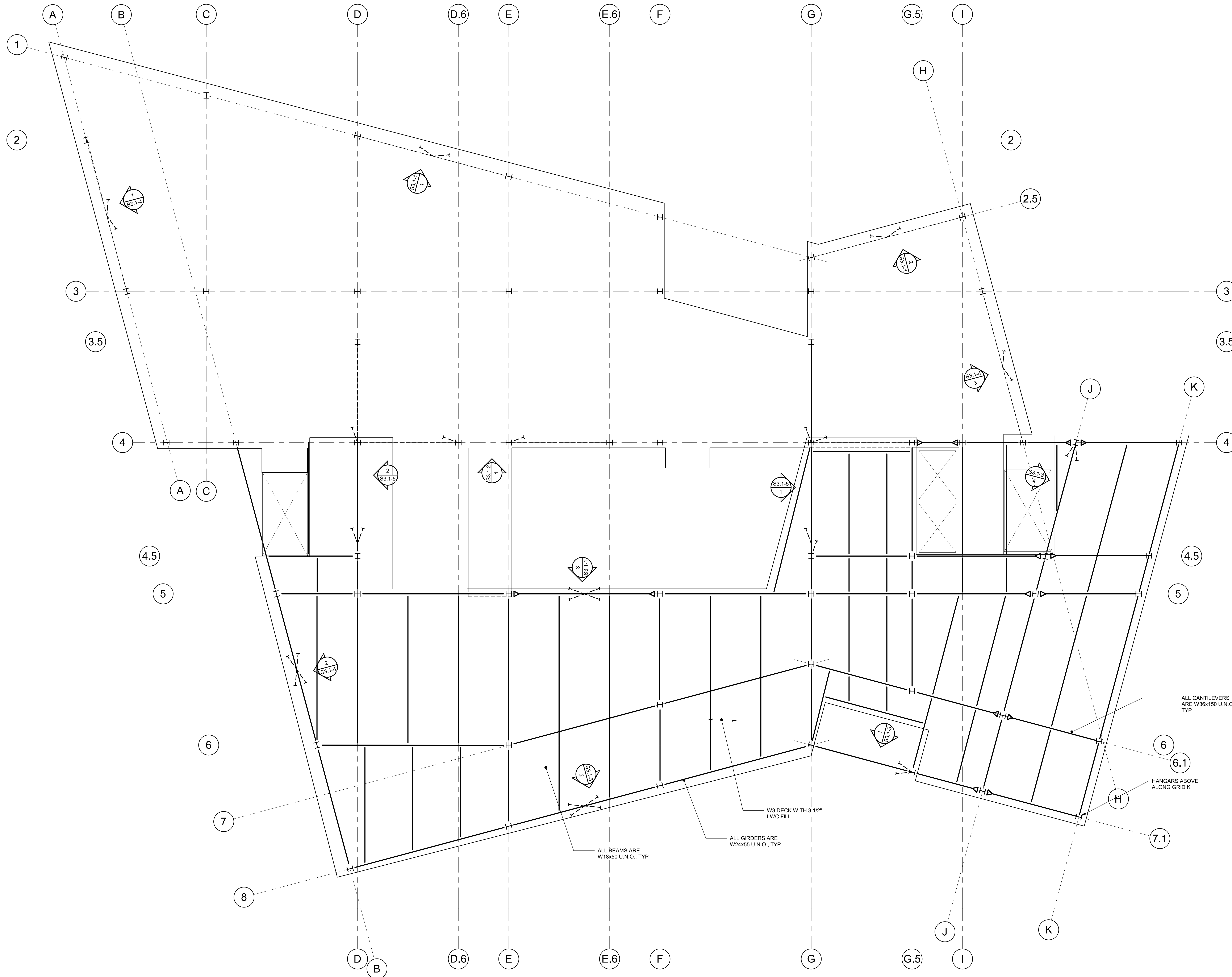
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PROJECT NO. 19531-01
SHEET TITLE AND NO.
STRUCTURAL
FLOOR PLAN - L1L-
FIRST LOFT FLOOR

S2.4-1L

SHEET NOTES



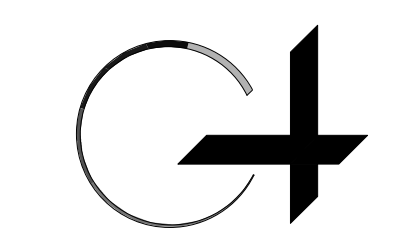
PLAN NOTES

1. TOP OF CONCRETE ELEVATION IS XXX.XX, UNLESS NOTED OTHERWISE ON PLAN.
2. FLOOR STRUCTURE CONSISTS OF X LIGHT WEIGHT CONCRETE ON X DEEP, X GAGE GALVANIZED (GXX) COMPOSITE STEEL DECK (X TOTAL THICKNESS). STEEL DECK SHALL BE PLACED WITH A TWO-SPAN CONDITION MINIMUM. NO SINGLE SPANS ARE ALLOWED WITHOUT WRITTEN APPROVAL OF ENGINEER-OF-RECORD. COMPOSITE SLAB SHALL BE REINFORCED WITH <WELDED SMOOTH WIRE REINFORCEMENT 6x6-W2.9xW2.9> OR <MACRO SYNTHETIC FIBER AT 5.0 LBS PER CUBIC YARD OF CONCRETE> OR <MICRO/MACRO SYNTHETIC BLENDED FIBERS AT 5.0 LBS PER CUBIC YARD OF CONCRETE> OR <STEEL FIBERS AT 25 LBS PER CUBIC YARD OF CONCRETE> OR <MICRO/STEEL FIBER BLEND AT 25 LBS PER CUBIC YARD OF CONCRETE>.
3. PROVIDE A CONTINUOUS 1/4" BENT PLATE WITH 1/2"x6" HEADED STUDS SPACED AT 2'-0" AT ALL SLAB EDGES AND OPENINGS, UNLESS NOTED OTHERWISE.
4. PLACE #4x8'-0" @ 12" ACROSS STEEL GIRDERS BELOW THE WELDED WIRE REINFORCEMENT PER DETAIL SXXXXX. CENTER REINFORCING BARS AT STEEL GIRDERS.
5. ALL STEEL THAT IS PERMANENTLY EXPOSED TO THE EXTERIOR OR IS PERMANENTLY IN UNCONDITIONED SPACE SHALL BE HOT-DIPPED GALVANIZED.
6. REFER TO SHEET SXXXX FOR FLOOR FRAMING SECTIONS AND DETAILS.
7. REFER TO SHEET SXXXX FOR COLUMN SCHEDULE.
8. REFER TO SHEET SXXXX FOR BRACED FRAME (SHEAR WALL) ELEVATIONS AND SCHEDULES.
9. REFER TO MECHANICAL, ELECTRICAL, AND PLUMBING DRAWINGS FOR PENETRATIONS NOT SHOWN. REFER TO TYPICAL DETAILS FOR ADDITIONAL REINFORCEMENT REQUIREMENTS AT OPENINGS.

1 L2-SECOND FLOOR
1/8" = 1'-0"



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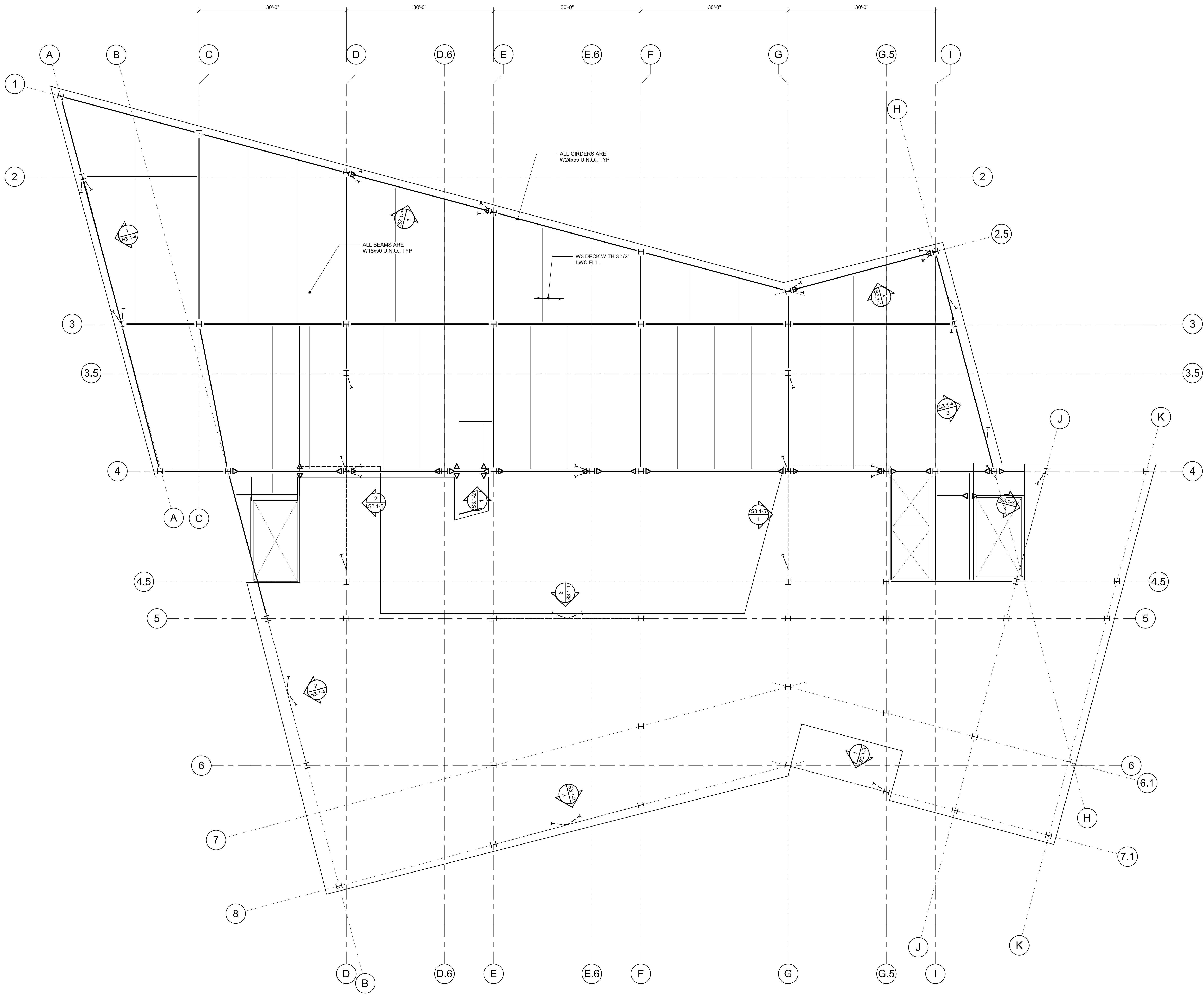
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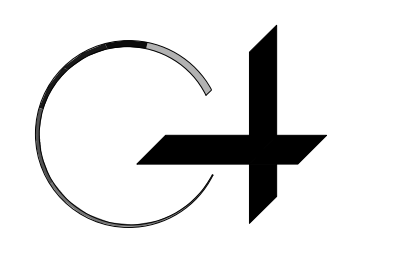
PROJECT NO. 19531-01
SHEET TITLE AND NO.
STRUCTURAL
FLOOR PLAN - L2 -
SECOND FLOOR

S2.4-2



SHEET NOTES

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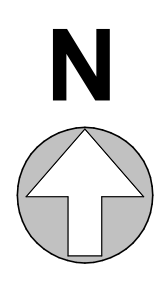
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SHEET TITLE AND NO.
STRUCTURAL
FLOOR PLAN - L2L -
SECOND LOFT
FLOOR

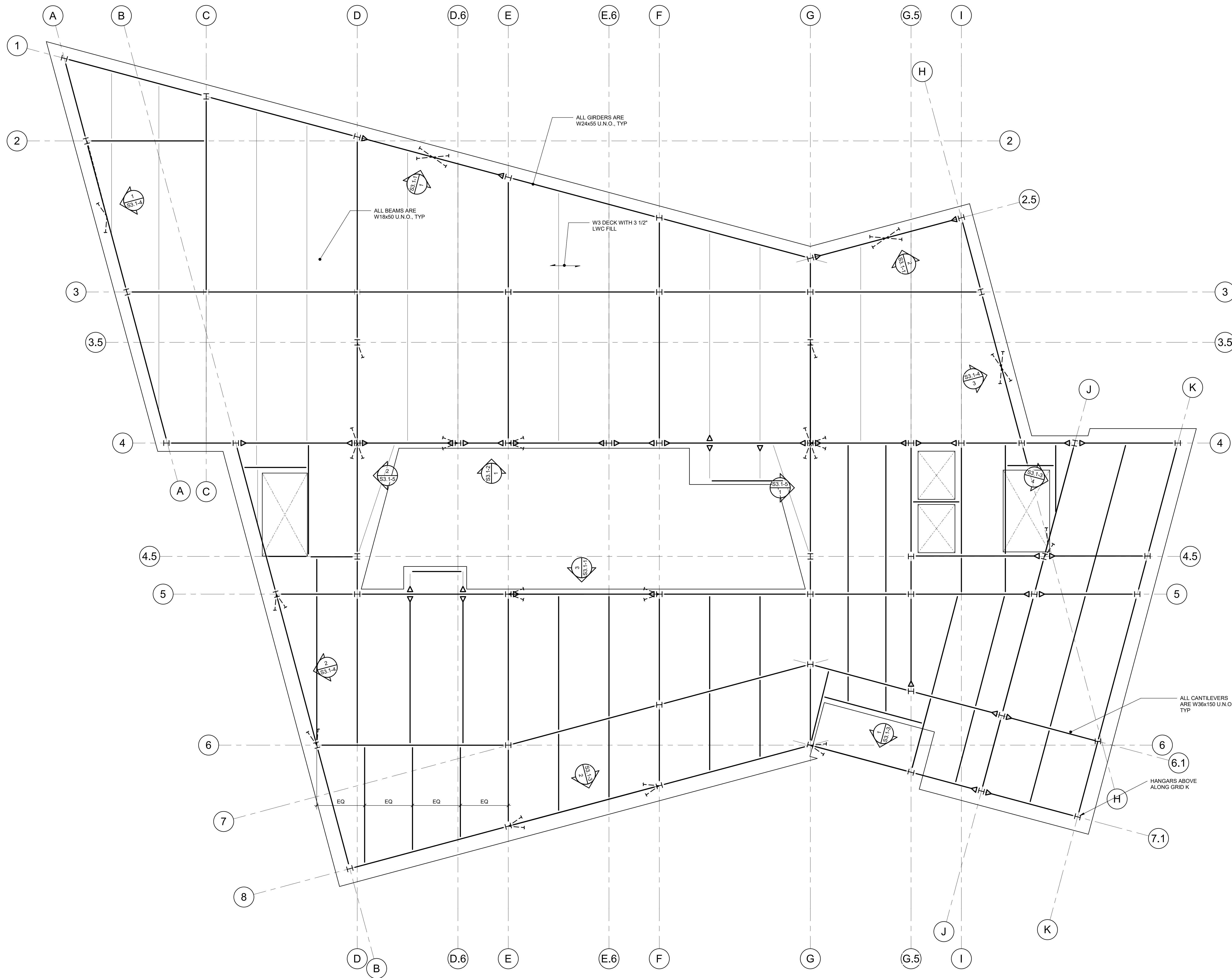
S2.4-2L

1 L2L-SECOND LOFT FLOOR
1/8" = 1'-0"

PLAN NOTES

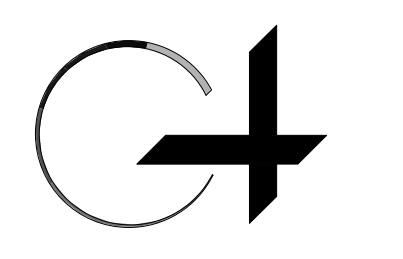
- TOP OF CONCRETE ELEVATION IS XXXX.XXX, UNLESS NOTED OTHERWISE ON PLAN.
- FLOOR STRUCTURE CONSISTS OF 2" LIGHT WEIGHT CONCRETE ON 2" DEEP, X GAGE GALVANIZED (XXX) COMPOSITE STEEL DECK (X TOTAL THICKNESS). STEEL DECK SHALL BE PLACED WITH A TWO-SPAN CONDITION MINIMUM. NO SINGLE SPANS ARE ALLOWED WITHOUT WRITTEN APPROVAL OF ENGINEER-OF-RECORD. COMPOSITE SLAB SHALL BE REINFORCED WITH <WELDED SMOOTH WIRE REINFORCEMENT 6#5-W2.8# OR <MACRO SYNTHETIC FIBER AT 5.0 LBS PER CUBIC YARD OF CONCRETE> OR <MICRO/MACRO SYNTHETIC BLENDED FIBERS AT 5.0 LBS PER CUBIC YARD OF CONCRETE> OR <STEEL FIBERS AT 25 LBS PER CUBIC YARD OF CONCRETE> OR <MICRO/STEEL FIBER BLEND AT 25 LBS PER CUBIC YARD OF CONCRETE>.
- PROVIDE A CONTINUOUS 1/4" BENT PLATE WITH 1/2"x8" HEADED STUDS SPACED AT 2'-0" AT ALL SLAB EDGES AND OPENINGS, UNLESS NOTED OTHERWISE.
- PLACE #4@12" ACROSS STEEL GIRDERS BELOW THE WELDED WIRE REINFORCEMENT PER DETAIL XXXXXXX. CENTER REINFORCING BARS AT STEEL GIRDERS.
- ALL STEEL THAT IS PERMANENTLY EXPOSED TO THE EXTERIOR OR IS PERMANENTLY IN UNCONDITIONED SPACE SHALL BE HOT-DIPPED GALVANIZED.
- REFER TO SHEET SXXXX FOR FLOOR FRAMING SECTIONS AND DETAILS.
- REFER TO SHEET SXXXX FOR COLUMN SCHEDULE.
- REFER TO SHEET SXXXX FOR BRACED FRAME (SHEAR WALL) ELEVATIONS AND SCHEDULES.
- REFER TO MECHANICAL, ELECTRICAL, AND PLUMBING DRAWINGS FOR PENETRATIONS NOT SHOWN.
- REFER TO TYPICAL DETAILS FOR ADDITIONAL REINFORCEMENT REQUIREMENTS AT OPENINGS.





SHEET NOTES

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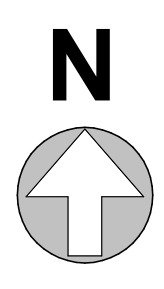
PROJECT NO. 19531-01
SHEET TITLE AND NO.
STRUCTURAL
FLOOR PLAN - L3 -
THIRD FLOOR

S2.4-3

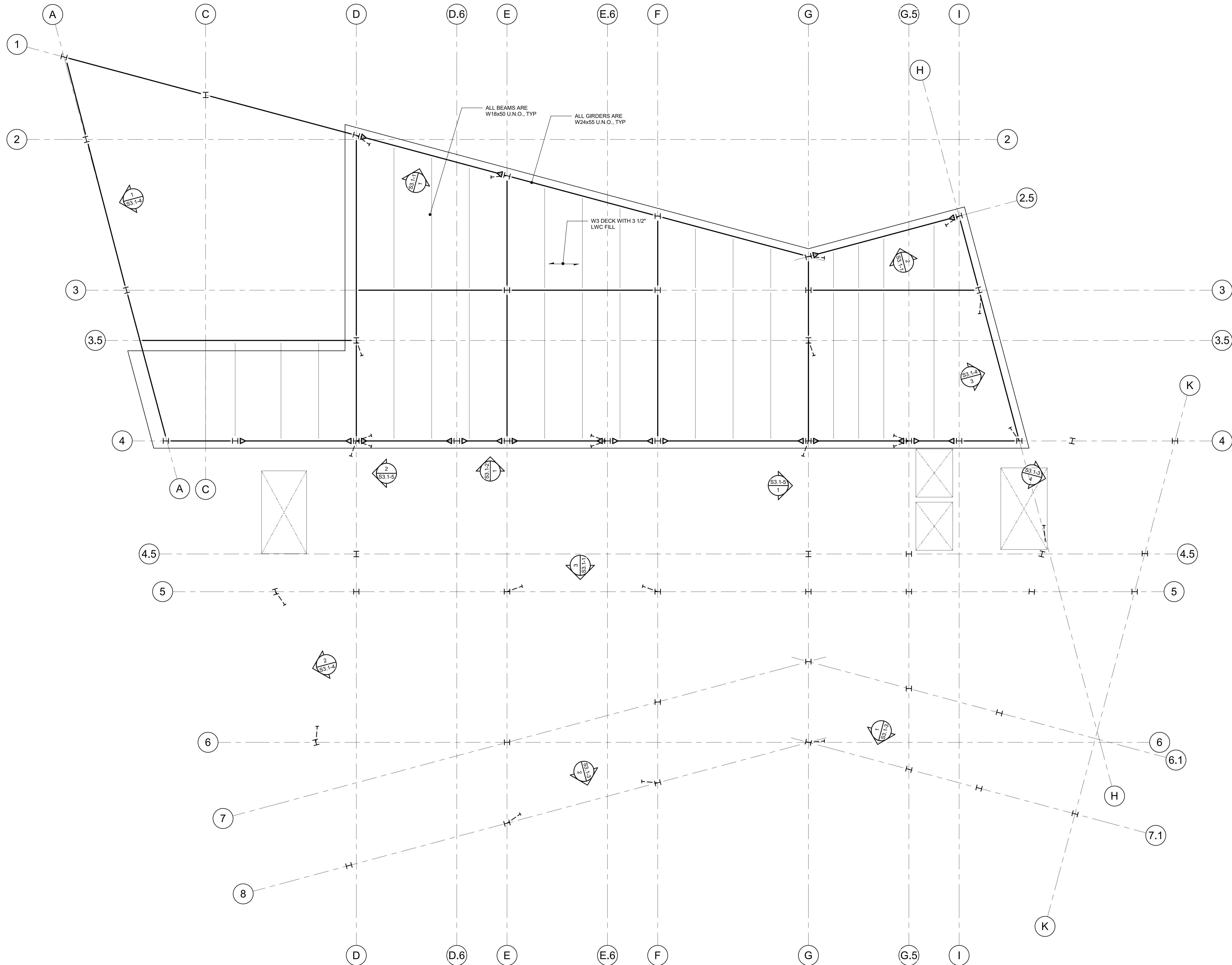
1 L3 - THIRD FLOOR
1/8" = 1'-0"

PLAN NOTES

1. TOP OF CONCRETE ELEVATION IS XXX.XX, UNLESS NOTED OTHERWISE ON PLAN.
2. FLOOR STRUCTURE CONSISTS OF X" LIGHT WEIGHT CONCRETE ON X" DEEP, X GAGE GALVANIZED (GXX) COMPOSITE STEEL DECK (X" TOTAL THICKNESS). STEEL DECK SHALL BE PLACED WITH A TWO-SPAN CONDITION MINIMUM. NO SINGLE SPANS ARE ALLOWED WITHOUT WRITTEN APPROVAL OF ENGINEER-OF-RECORD. COMPOSITE SLAB SHALL BE REINFORCED WITH WELDED SMOOTH WIRE REINFORCEMENT 6x6-W2.9xW2.9" OR "MACRO SYNTHETIC FIBER AT 5.0 LBS PER CUBIC YARD OF CONCRETE" OR "MICRO/MACRO SYNTHETIC BLENDED FIBERS AT 5.0 LBS PER CUBIC YARD OF CONCRETE" OR "STEEL FIBERS AT 25 LBS PER CUBIC YARD OF CONCRETE" OR "MICRO/STEEL FIBER BLEND AT 25 LBS PER CUBIC YARD OF CONCRETE".
3. PROVIDE A CONTINUOUS 1/4" BENT PLATE WITH 1/2"x6" HEADED STUDS SPACED AT 2'-0" AT ALL SLAB EDGES AND OPENINGS, UNLESS NOTED OTHERWISE.
4. PLACE #4x8'-0" @ 12" ACROSS STEEL GIRDERS BELOW THE WELDED WIRE REINFORCEMENT PER DETAIL XXXXXXXX, CENTER REINFORCING BARS AT STEEL GIRDERS.
5. ALL STEEL THAT IS PERMANENTLY EXPOSED TO THE EXTERIOR OR IS PERMANENTLY IN UNCONDITIONED SPACE SHALL BE HOT-DIPPED GALVANIZED.
6. REFER TO SHEET SXXXX FOR FLOOR FRAMING SECTIONS AND DETAILS.
7. REFER TO SHEET SXXXX FOR COLUMN SCHEDULE.
8. REFER TO SHEET SXXXX FOR BRACED FRAME (SHEAR WALL) ELEVATIONS AND SCHEDULES.
9. REFER TO MECHANICAL, ELECTRICAL, AND PLUMBING DRAWINGS FOR PENETRATIONS NOT SHOWN. REFER TO TYPICAL DETAILS FOR ADDITIONAL REINFORCEMENT REQUIREMENTS AT OPENINGS.



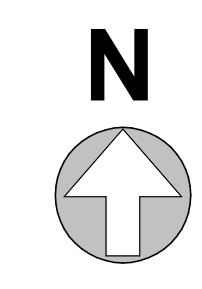
SHEET NOTES



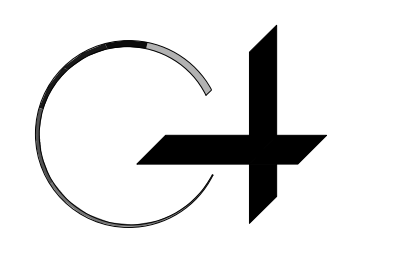
PLAN NOTES

1. TOP OF CONCRETE ELEVATION IS XXXX.XXX, UNLESS NOTED OTHERWISE ON PLAN.
2. FLOOR STRUCTURE CONSISTS OF 2" LIGHT WEIGHT CONCRETE ON 2" DEEP X GAGE GALVANIZED (GXX) COMPOSITE STEEL DECK (X" TOTAL THICKNESS). STEEL DECK SHALL BE PLACED WITH A TWO-SPAN CONDITION MINIMUM. NO SINGLE SPANS ARE ALLOWED WITHOUT WRITTEN APPROVAL OF ENGINEER-OF-RECORD. COMPOSITE SLAB SHALL BE REINFORCED WITH «WELDED SMOOTH WIRE REINFORCEMENT 6x6-W2.9xW2.9» OR «MACRO SYNTHETIC FIBER AT 5.0 LBS PER CUBIC YARD OF CONCRETE» OR «MICROMACRO SYNTHETIC BLENDED FIBERS AT 5.0 LBS PER CUBIC YARD OF CONCRETE» OR «STEEL FIBERS AT 25 LBS PER CUBIC YARD OF CONCRETE» OR «MICROSTEEL FIBER BLEND AT 25 LBS PER CUBIC YARD OF CONCRETE».
3. PROVIDE A CONTINUOUS 1/4" BENT PLATE WITH 1/2"x6" HEADED STUDS SPACED AT 2'-0" AT ALL SLAB EDGES AND OPENINGS, UNLESS NOTED OTHERWISE.
4. PLACE #4x8'-0" @ 12" ACROSS STEEL GIRDER BELOW THE WELDED WIRE REINFORCEMENT PER DETAIL SXXXXX. CENTER REINFORCING BARS AT STEEL GIRDER.
5. ALL STEEL THAT IS PERMANENTLY EXPOSED TO THE EXTERIOR OR IS PERMANENTLY IN UNCONDITIONED SPACE SHALL BE HOT-DIPPED GALVANIZED.
6. REFER TO SHEET SXXXX FOR FLOOR FRAMING SECTIONS AND DETAILS.
7. REFER TO SHEET SXXXX FOR COLUMN SCHEDULE.
8. REFER TO SHEET SXXXX FOR BRACED FRAME (SHEAR WALL) ELEVATIONS AND SCHEDULES.
9. REFER TO MECHANICAL, ELECTRICAL, AND PLUMBING DRAWINGS FOR PENETRATIONS NOT SHOWN. REFER TO TYPICAL DETAILS FOR ADDITIONAL REINFORCEMENT REQUIREMENTS AT OPENINGS.

1 T.O. NORTH ROOF
1/8" = 1'-0"



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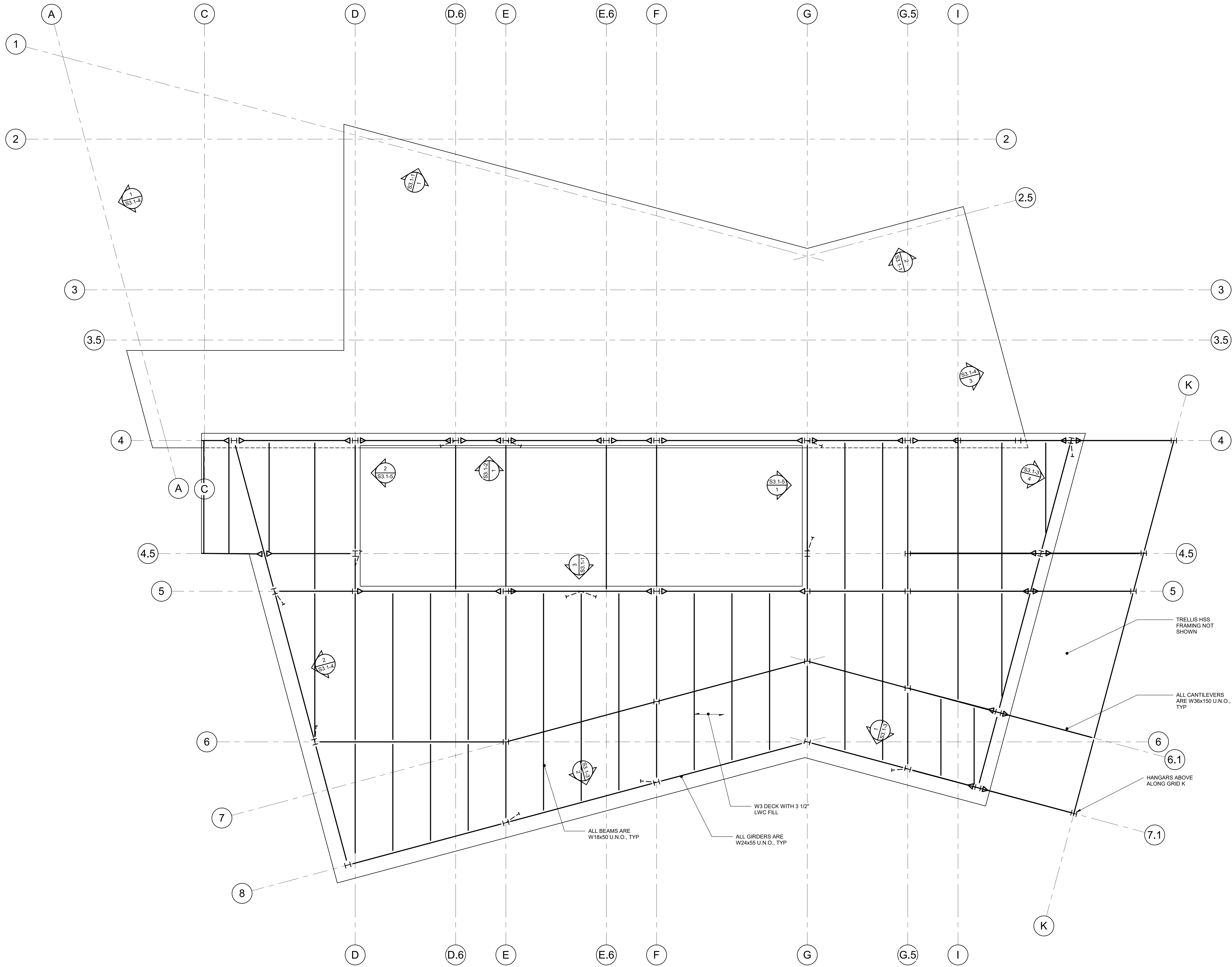
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PROJECT NO. 19531-01
SHEET TITLE AND NO.
STRUCTURAL
FLOOR PLAN - RF -
T.O. NORTH ROOF

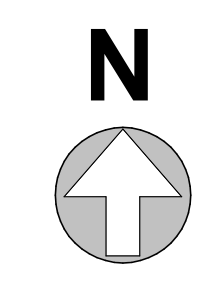
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SHEET NOTES

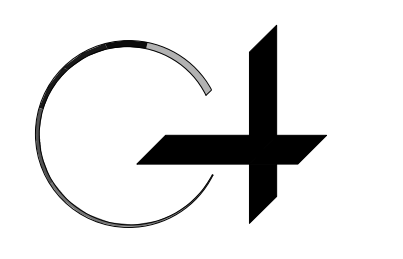


- PLAN NOTES**
1. TOP OF CONCRETE ELEVATION IS XXX-XXX', UNLESS NOTED OTHERWISE ON PLAN.
 2. FLOOR STRUCTURE CONSISTS OF X' LIGHT WEIGHT CONCRETE ON X' DEEP X GAGE GALVANIZED (GXXX) COMPOSITE STEEL DECK (X' TOTAL THICKNESS). STEEL DECK SHALL BE PLACED WITH A TWO-SPAN CONDITION MINIMUM. NO SINGLE SPANS ARE ALLOWED WITHOUT WRITTEN APPROVAL OF ENGINEER-OF-RECORD. COMPOSITE SLAB SHALL BE REINFORCED WITH «WELDED SMOOTH WIRE REINFORCEMENT 6x6-W2 9x9» OR «MACRO SYNTHETIC FIBER AT 5.0 LBS PER CUBIC YARD OF CONCRETE» OR «MICRO/MACRO SYNTHETIC BLENDED FIBERS AT 5.0 LBS PER CUBIC YARD OF CONCRETE» OR «STEEL FIBERS AT 25 LBS PER CUBIC YARD OF CONCRETE» OR «MICRO/STEEL FIBER BLEND AT 25 LBS PER CUBIC YARD OF CONCRETE».
 3. PROVIDE A CONTINUOUS 1/4" BENT PLATE WITH 1/2"x8" HEADED STUDS SPACED AT 2'-0" AT ALL SLAB EDGES AND OPENINGS, UNLESS NOTED OTHERWISE.
 4. PLACE #4x9'0" @ 12" ACROSS STEEL GIRDERS BELOW THE WELDED WIRE REINFORCEMENT PER DETAIL XXSXXXX. CENTER REINFORCING BARS AT STEEL GIRDERS.
 5. ALL STEEL THAT IS PERMANENTLY EXPOSED TO THE EXTERIOR OR IS PERMANENTLY IN UNCONDITIONED SPACE SHALL BE HOT-DIPPED GALVANIZED.
 6. REFER TO SHEET SXXXX FOR FLOOR FRAMING SECTIONS AND DETAILS.
 7. REFER TO SHEET SXXXX FOR COLUMN SCHEDULE.
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 9. REFER TO MECHANICAL, ELECTRICAL, AND PLUMBING DRAWINGS FOR PENETRATIONS NOT SHOWN. REFER TO TYPICAL DETAILS FOR ADDITIONAL REINFORCEMENT REQUIREMENTS AT OPENINGS.

1 T.O. SOUTH ROOF
1/8" = 1'-0"



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STRUCTURAL
FLOOR PLAN - RF-
T.O. SOUTH ROOF

S2.4-4S

AIR HANDLING UNIT SCHEDULE																																											
UNIT	LOCATION SERVED	*ENERGY LABS* MODEL	SUPPLY CFM	RETURN CFM	MIN. OA (CFM)	COOLING COIL															HOT WATER HEATING COIL																						
						SENS. COOLING CAP. (MBH)	TOTAL COOLING CAP. (MBH)	EDB F	EWB F	LDB F	LWB F	FACE VEL. (FPM)	APD (IN. WG)	DUTY	FLUID	FH	FL	QTY.	ROWS	FPI	GPM	EWT	LWT	WPD (FT HD)	TCV		HEATING CAP. (MBH)	EAT F DB	LAT F DB	DUTY	FLUID	FH	FL	QTY.	ROWS	FPI	APD	GPM	EWT	LWT	WPD (FT HD)	TCV	
																									TYPE	CV																TYPE	CV
AHU 1	FIRST FLOOR & FIRST FLOOR LOFT	CUSTOM	35,000	35,000	--	--	1,080	--	--	--	--	--	--	--	--	--	--	155	44	58	--	2-WAY	--	1,100	--	--	HW	WATER	--	--	--	--	--	--	75	180	150	--	2-WAY	--			
AHU 2	SECOND/SECOND FLOOR LOFT & THIRD FLOOR	CUSTOM	50,000	50,000	--	--	1,500	--	--	--	--	--	--	--	--	--	--	215	44	58	--	3-WAY	--	1,600	--	--	HW	WATER	--	--	--	--	--	110	180	150	--	3-WAY	--				

AIR HANDLING UNIT SCHEDULE (CONTINUED)																																
UNIT	ELECTRICAL																FILTERS				UNIT POWER			OPER. WT. (LBS.)	MOUNTING DETAIL	CONTROL DIAGRAM	NOTES					
	SUPPLY FAN								RETURN FAN								TYPE	EFFICIENCY	MAX FACE VEL. (FPM)	SIZE (QTY.)	DEPTH	VOLT/PH.	MCA					MOP				
	SIZE	QTY.	HP	FLA	CFM	ESP (IN. W.G.)	FAN RPM	MAX. RPM	MOTOR RPM	VFD QTY.	HP	SIZE	QTY.	HP	FLA	CFM													ESP (IN. W.G.)	FAN RPM	MAX. RPM	MOTOR RPM
AHU 1	--	--	EA.	EA.	EA.	--	EA.	EA.	EA.	--	--	--	EA.	EA.	EA.	--	EA.	EA.	EA.	--	--	PRE-FILTERS 30% MERV 8	--	--	--	460V, 3PH.	--	--	27,000	---	---	1, 2, 3, 4, 5, 6
AHU 2	--	--	EA.	EA.	EA.	--	EA.	EA.	EA.	--	--	--	EA.	EA.	EA.	--	EA.	EA.	EA.	--	--	PRE-FILTERS 30% MERV 8	--	--	--	460V, 3PH.	--	--	34,000	---	---	1, 2, 3, 4, 5, 6

NOTES:
 1. OUTSIDE AIR AMBIENT TEMP.: 86 DEGREES F DB/65 DEGREES F WB SUMMER, 31 DEGREES F WINTER.
 2. INSTALL SMOKE DETECTOR IN SUPPLY AIR DUCT TO SHUT DOWN UNIT UPON SENSING SMOKE. PROVIDED, POWERED & INTERLOCKED WITH FIRE ALARM SYSTEM BY DIV. 26, INSTALLED & CONNECTED TO AC UNIT BY DIV. 23.
 3. SUPPLY & RETURN FANS ARE INTERNALLY SPRING ISOLATED W/ 2" DEFLECTION.
 4. SINGLE POINT 460V, 3 PHASE, 60 HZ POWER CONNECTION.
 5. FOR COIL PIPING DETAILS REFER TO ---.
 6. PROVIDE PERFORATED INTERIOR LINING.

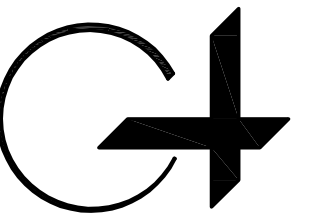
EXHAUST FAN SCHEDULE														
UNIT	SERVES	"GREENHECK" MODEL NO. U.N.O.	CFM	SP (IN. W.G.)	DUTY	STYLE	RPM	HP (WATTS)	VOLT/PH	OPER. WT. (LBS.)	INTERLOCK TO RUN WITH	MOUNTING DETAIL	CONTROL DIAGRAM	NOTES
REF 1	FIRST FLOOR & FIRST FLOOR LOFT RESTROOMS	G---VG	2500	.75	E	RED	--	--	460/3	--	EMS TIMECLOCK	---	---	1 2
REF 2	SECOND/SECOND FLOOR LOFT & THIRD FLOOR RESTROOMS	G---VG	2500	.50	E	RED	--	--	460/3	--	EMS TIMECLOCK	---	---	1 2
REF 3	FIRST FLOOR PRIVATE RESTROOM	G---VG	150	.75	E	RED	--	--	120/1	--	OCC SENSOR	---	---	1 2
REF 4	THIRD FLOOR PRIVATE RESTROOM	G---VG	150	.375	E	RED	--	--	120/1	--	OCC SENSOR	---	---	1 2

DUTY: E-- EXHAUST, STYLE: RED-- ROOF EXHAUST DOWNBLAST,
 NOTES: 1 PROVIDE WITH THERMAL OVERLOAD PROTECTED MOTOR.
 2 PROVIDE WITH FACTORY ROOF CURB & BACKDRAFT DAMPER.

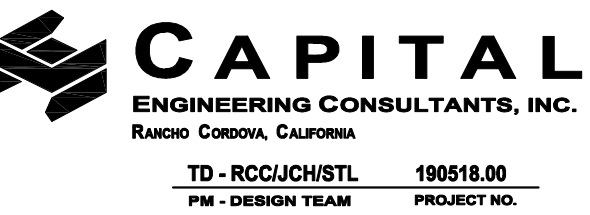
SPLIT SYSTEM AIR CONDITIONING (COOLING ONLY) UNIT SCHEDULE																									
UNIT	SERVES	"MITSUBISHI" MODEL NO. (INDOOR UNIT)	CFM	ELECTRICAL DATA			OPER. WT. (LBS.)	MOUNTING DETAIL	UNIT	"MITSUBISHI" MODEL NO. (OUTDOOR UNIT)	TOTAL COOLING CAPACITY (MBH)	REFRIG. PIPE		ELECTRICAL DATA			SEER	OPER. WT. (LBS.)	MOUNTING DETAIL	CONTROL DIAGRAM	NOTES				
				VOLY/PH	FAN FLA	MCA						RS (DIA.)	RL (DIA.)	VOLT/PH	FAN FLA	MCA						MOCF			
SAC 1.1	ELECTRICAL 112	PKA---	--	208/1	--	--	50	---	SCU---	PUY---	--	--	--	208/1	--	--	--	170	---	---	1 2 3 4				
SAC 1.2	BDF 109	PKA---	--	208/1	--	--	50	---	SCU---	PUY---	--	--	--	208/1	--	--	--	170	---	---	1 2 3 4				
SAC 2.1	IDF & ELEC 201	PKA---	--	208/1	--	--	50	---	SCU---	PUY---	--	--	--	208/1	--	--	--	170	---	---	1 2 3 4				
SAC 3.1	IDF 324	PKA---	--	208/1	--	--	50	---	SCU---	PUY---	--	--	--	208/1	--	--	--	170	---	---	1 2 3 4				
SAC 4.1	IDF & ELEC 407	PKA---	--	208/1	--	--	50	---	SCU---	PUY---	--	--	--	208/1	--	--	--	170	---	---	1 2 3 4				

NOTES: 1 PROVIDE ALL INDOOR UNITS WITH THERMOSTAT, HARD WIRED, WALL MOUNTED.
 2 COOLING CAPACITY RATED AT 80 DEGREES F DB / 67 DEGREES F WB INDOOR AIR AND 95 DEGREES F DB / 75 DEGREES F WB OUTDOOR AIR.
 3 PROVIDE WITH "GOSI" CONDENSATE PUMP, 2 GPM @ 20 FT./HD WITH GRAVITY HORIZONTAL, 16 WATTS, 120V, 1 PH., 60 HZ., ALARM RELAY 5 AMPS, 30 VDC, 250 VAC BREAK ON FAULT. SECURE PUMP BACK PLATE TO BLOCKING IN WALL WITH (3) - 3/16" DIA. TEK SCREWS AND PLACE PUMP ON THE MOUNTING POSTS.
 4 PROVIDE 208V, 1 PH. TO THE OUTDOOR UNIT; 208V, 1PH. BETWEEN OUTDOOR UNIT & INDOOR UNIT; 24V CONTROL WIRING BETWEEN OUTDOOR UNIT & INDOOR UNIT. PROVIDE SEPARATE 120V TO INDOOR UNIT FOR CONDENSATE PUMP.

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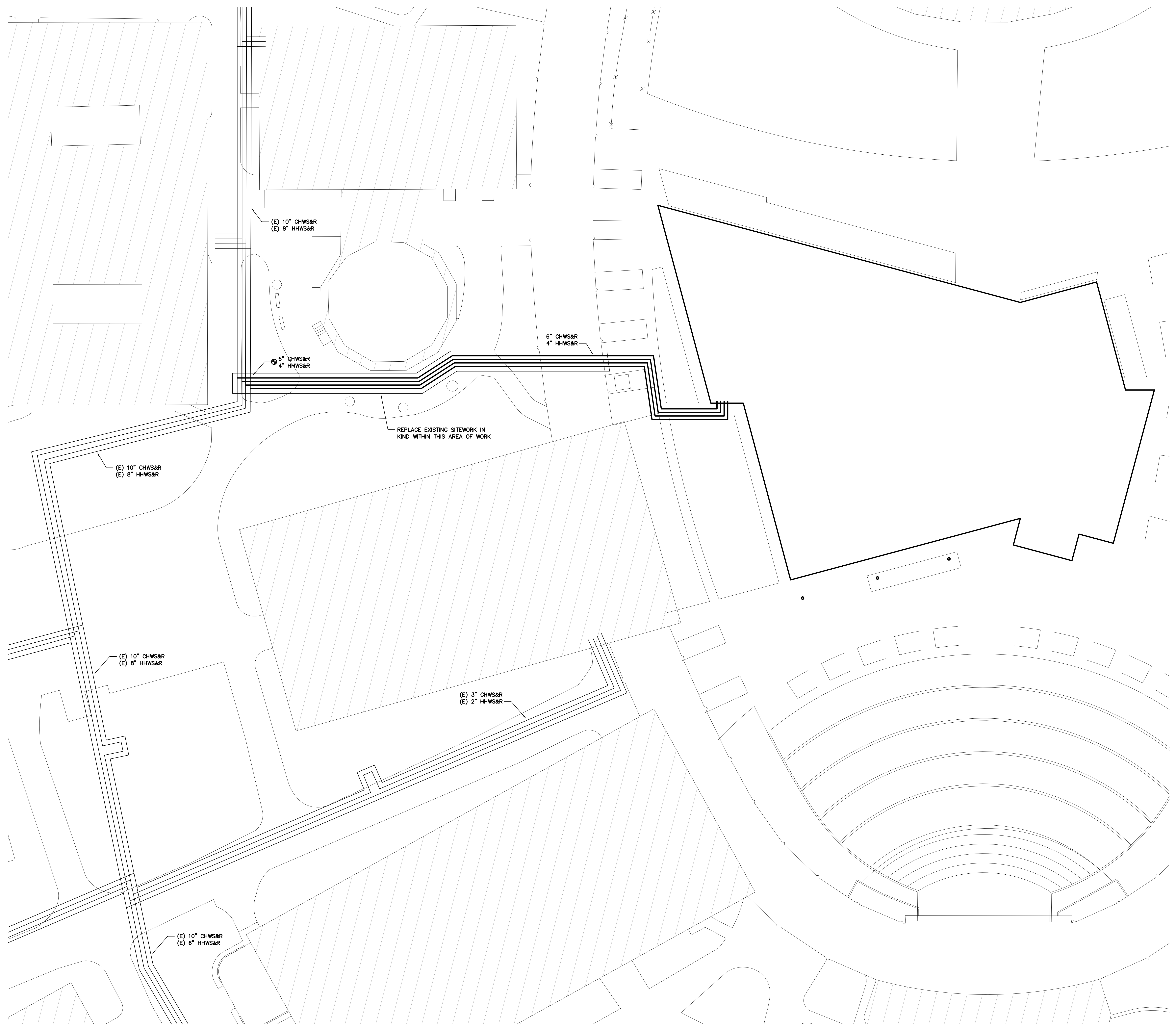
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 SHEET TITLE AND NO.
 HVAC SCHEDULES

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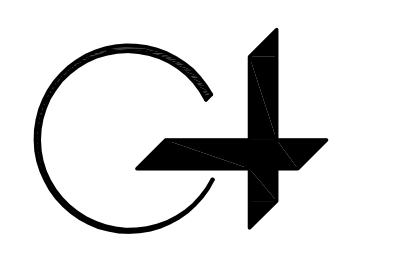


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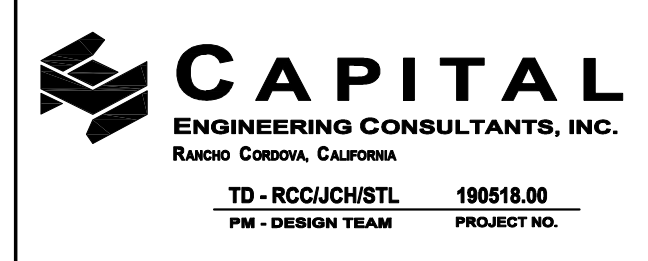
HVAC SITE PLAN
SCALE : 1/16" = 1'-0"

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M1.1-1

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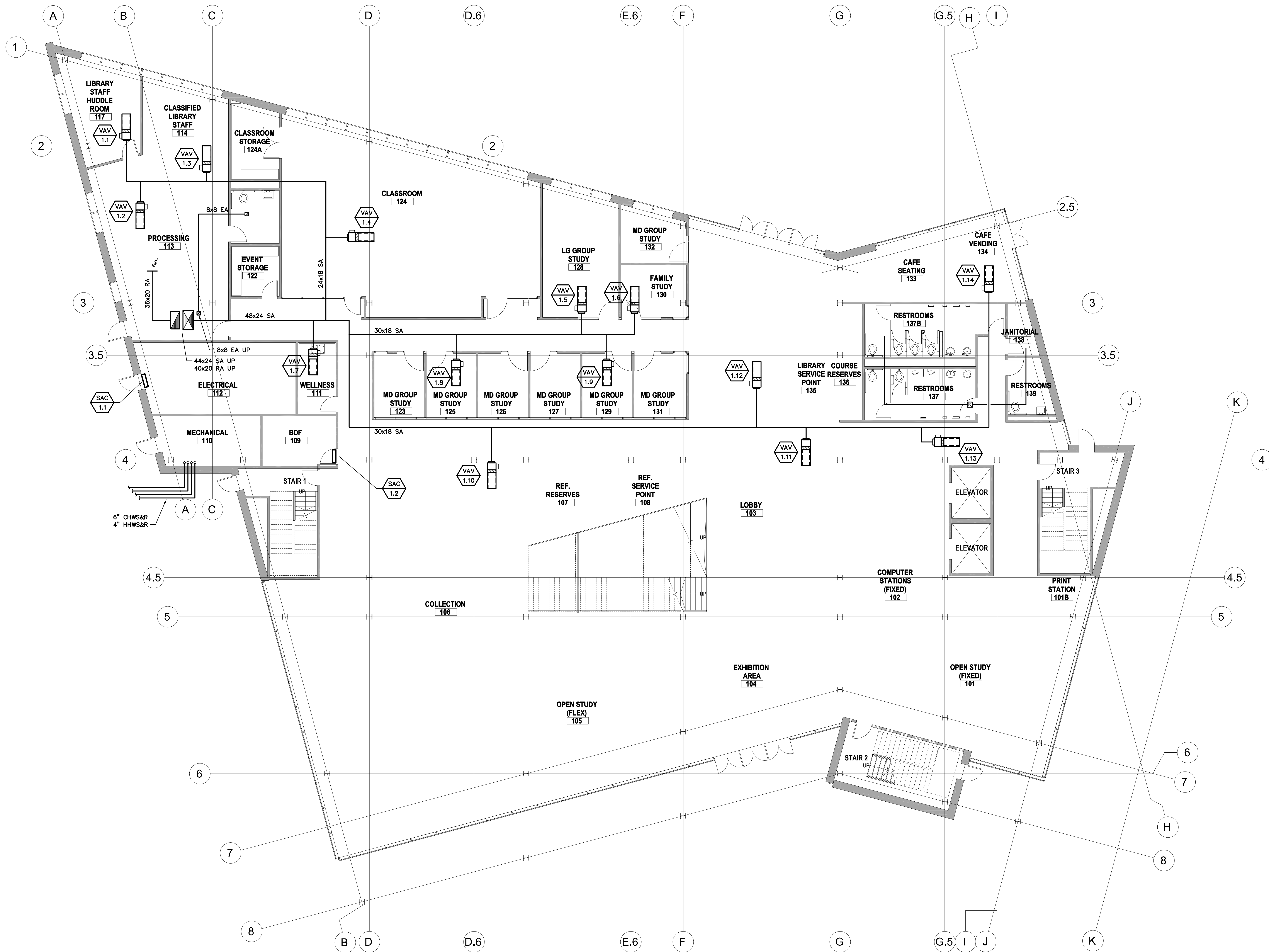
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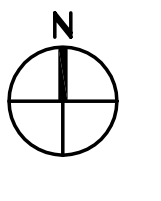
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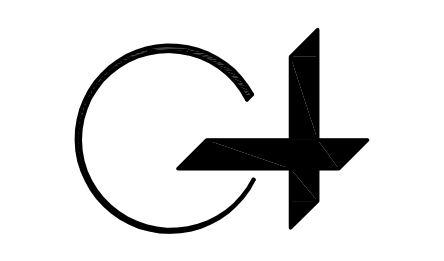


HVAC FIRST FLOOR PLAN
 SCALE: 1/8" = 1'-0"

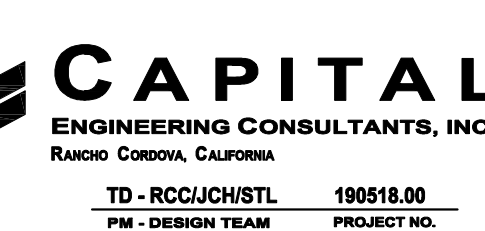
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 M2.4-1



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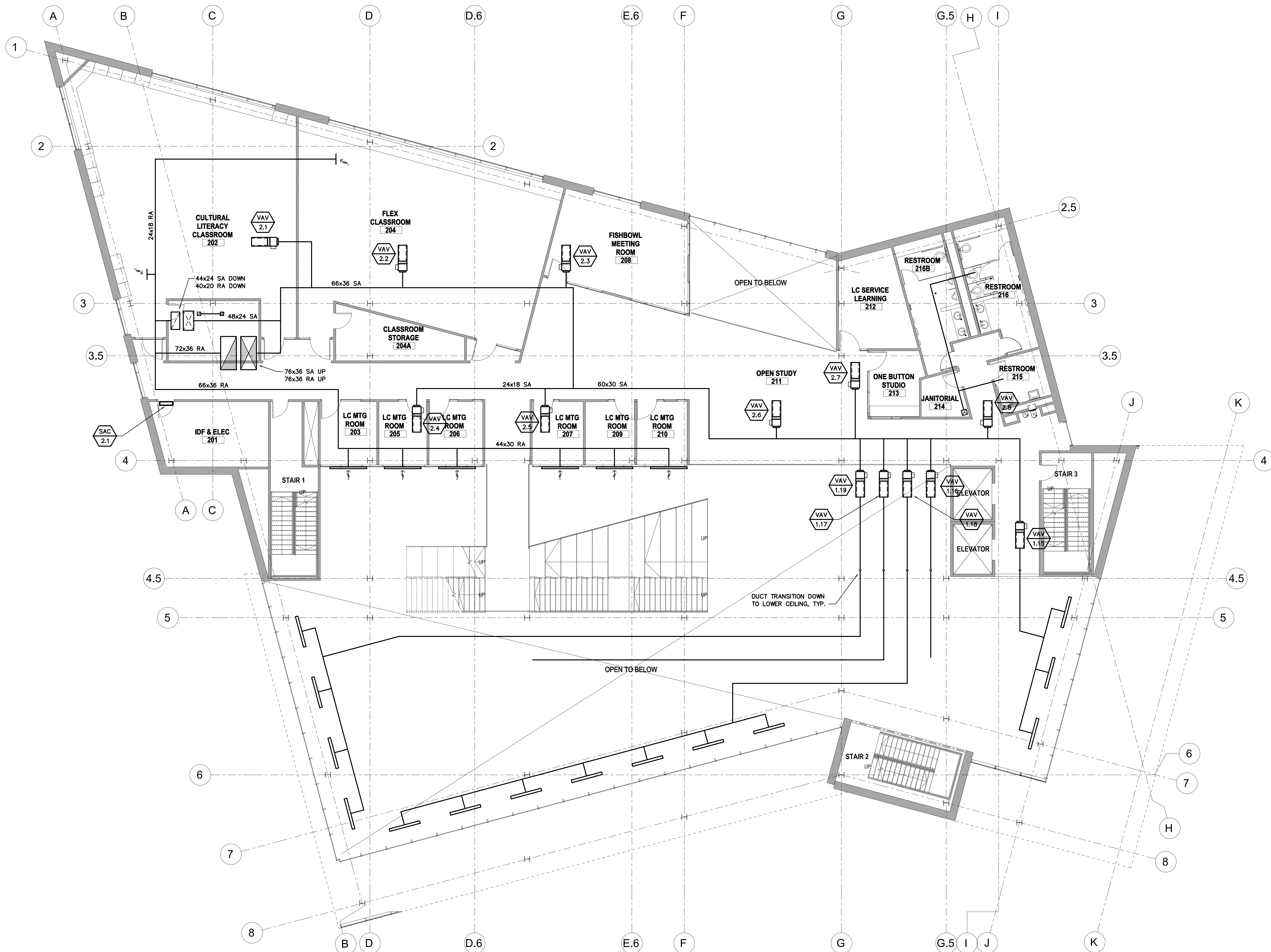


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 PLAN

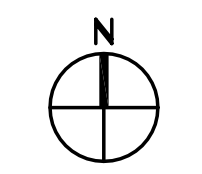
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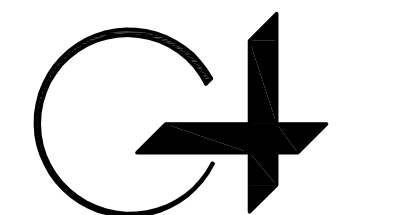


HVAC FIRST FLOOR LOFT PLAN
SCALE : 1/8" = 1'-0"

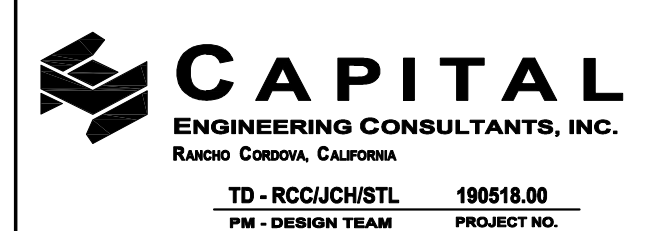
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M2.4-2



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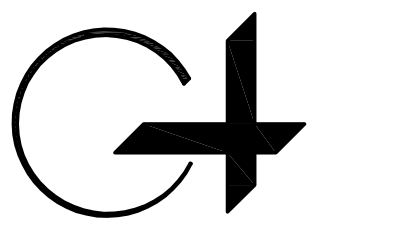
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SHEET TITLE AND NO.
HVAC FIRST FLOOR
LOFT PLAN

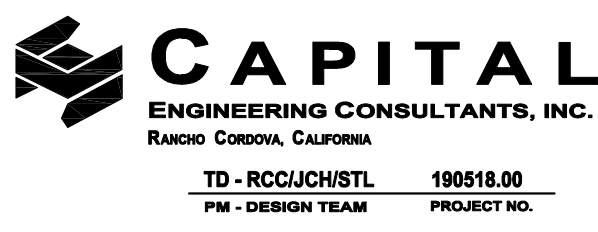
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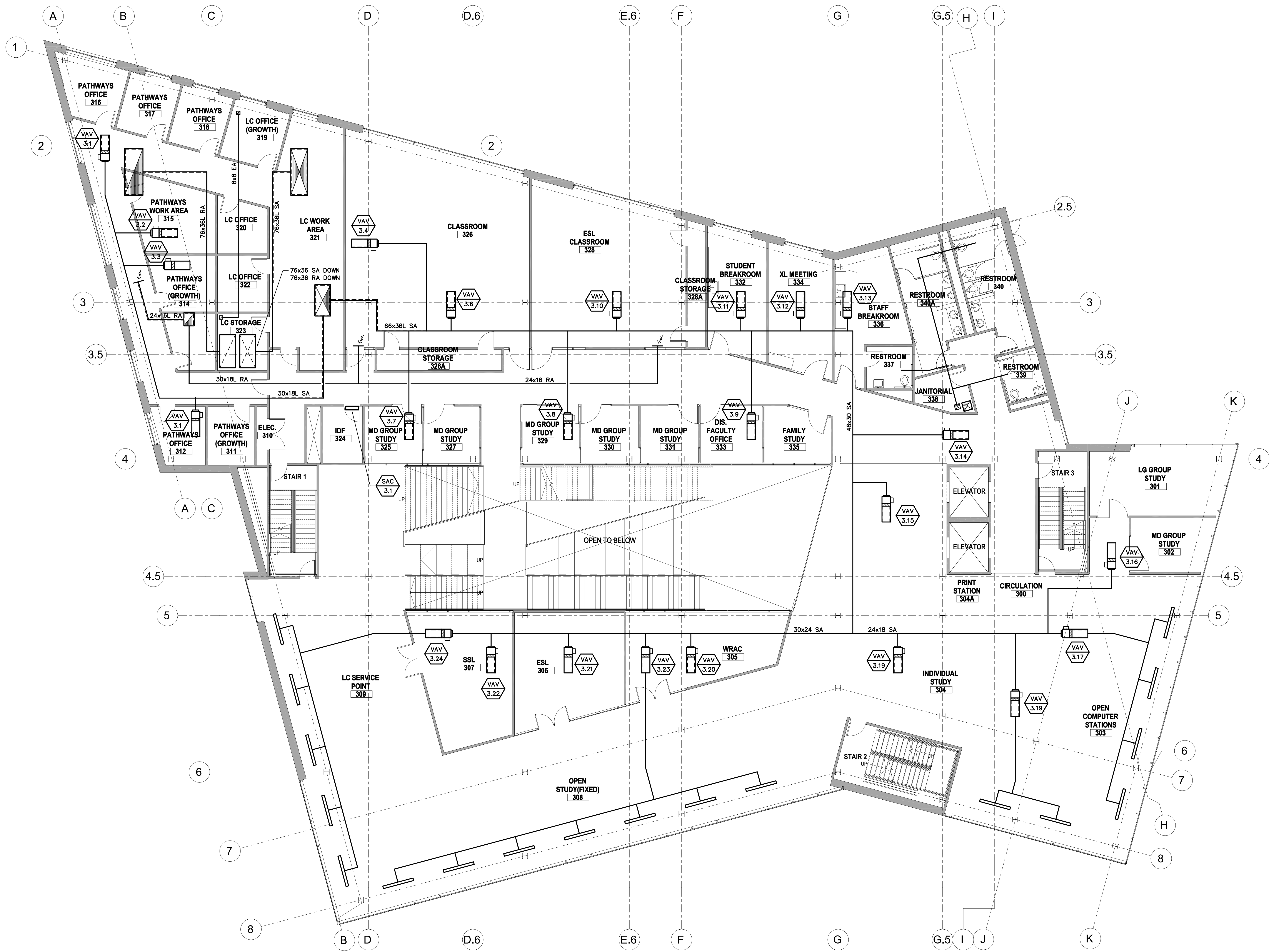
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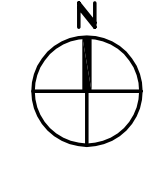
SHEET TITLE AND NO.
HVAC
SECOND/SECOND
FLOOR LOFT PLAN

M2.4-3

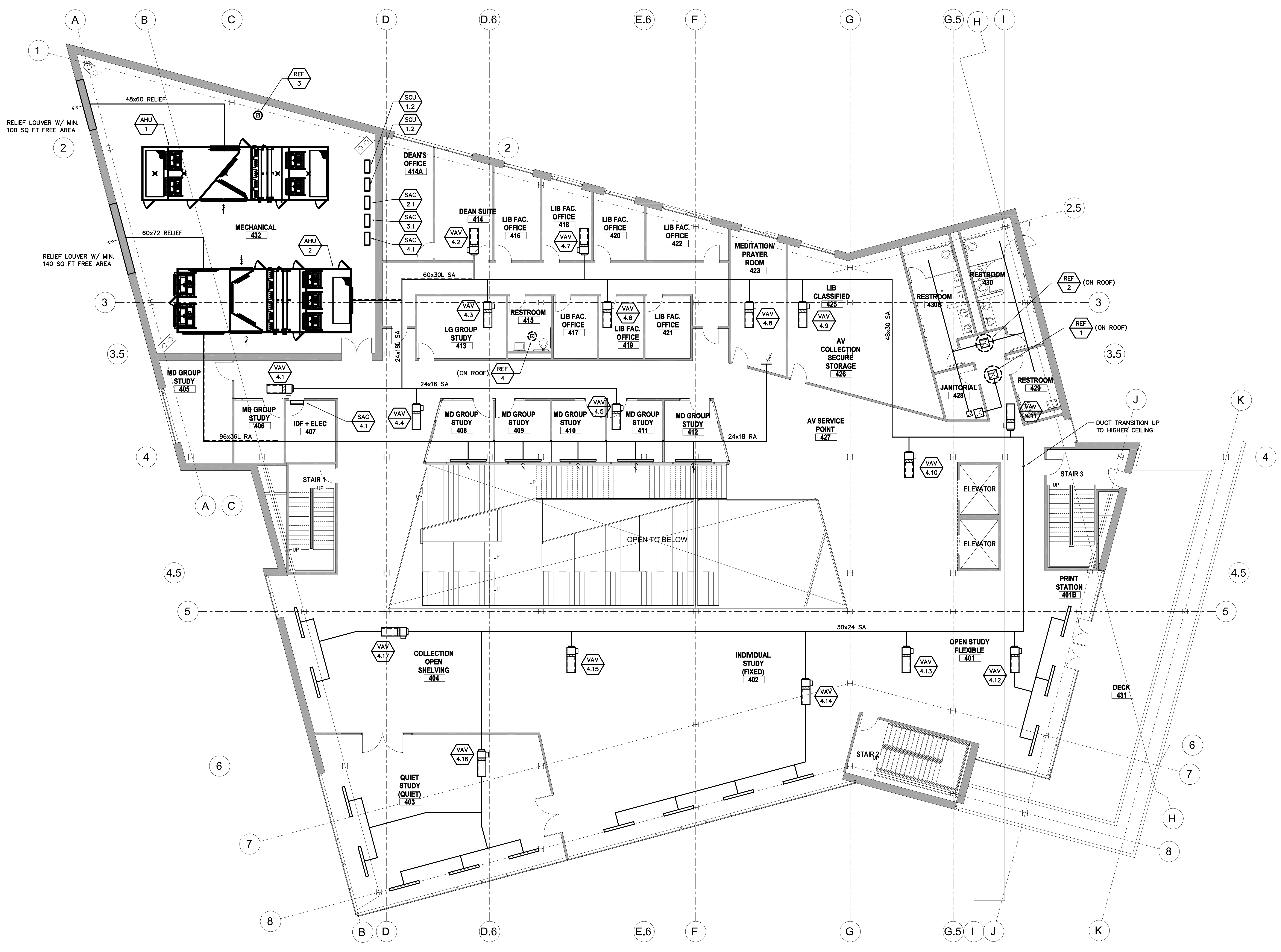


HVAC SECOND/SECOND FLOOR LOFT PLAN
SCALE : 1/8" = 1'-0"

1
M2.4-3

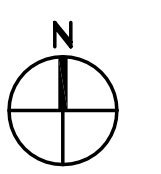


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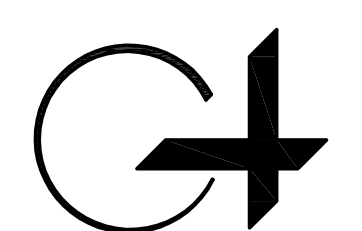


HVAC THIRD FLOOR PLAN
SCALE : 1/8" = 1'-0"

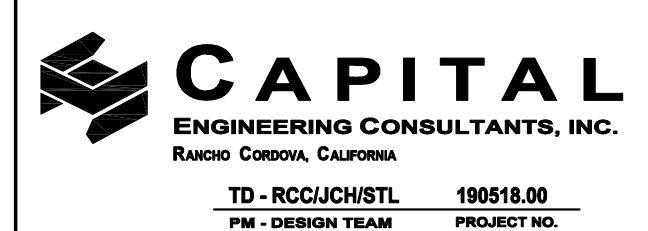
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CHABOT
COLLEGE
LIBRARY AND
LEARNING
CONNECTION

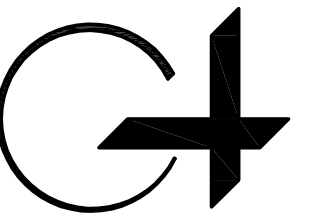


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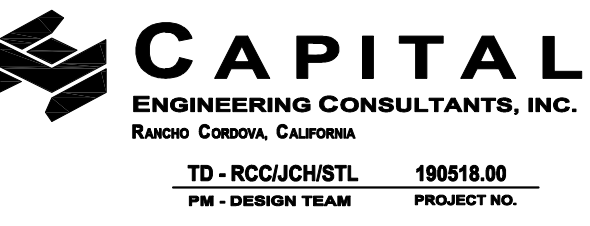
PROJECT NO. 19531-01

SHEET TITLE AND NO.
HVAC THIRD FLOOR
PLAN

M2.4-4



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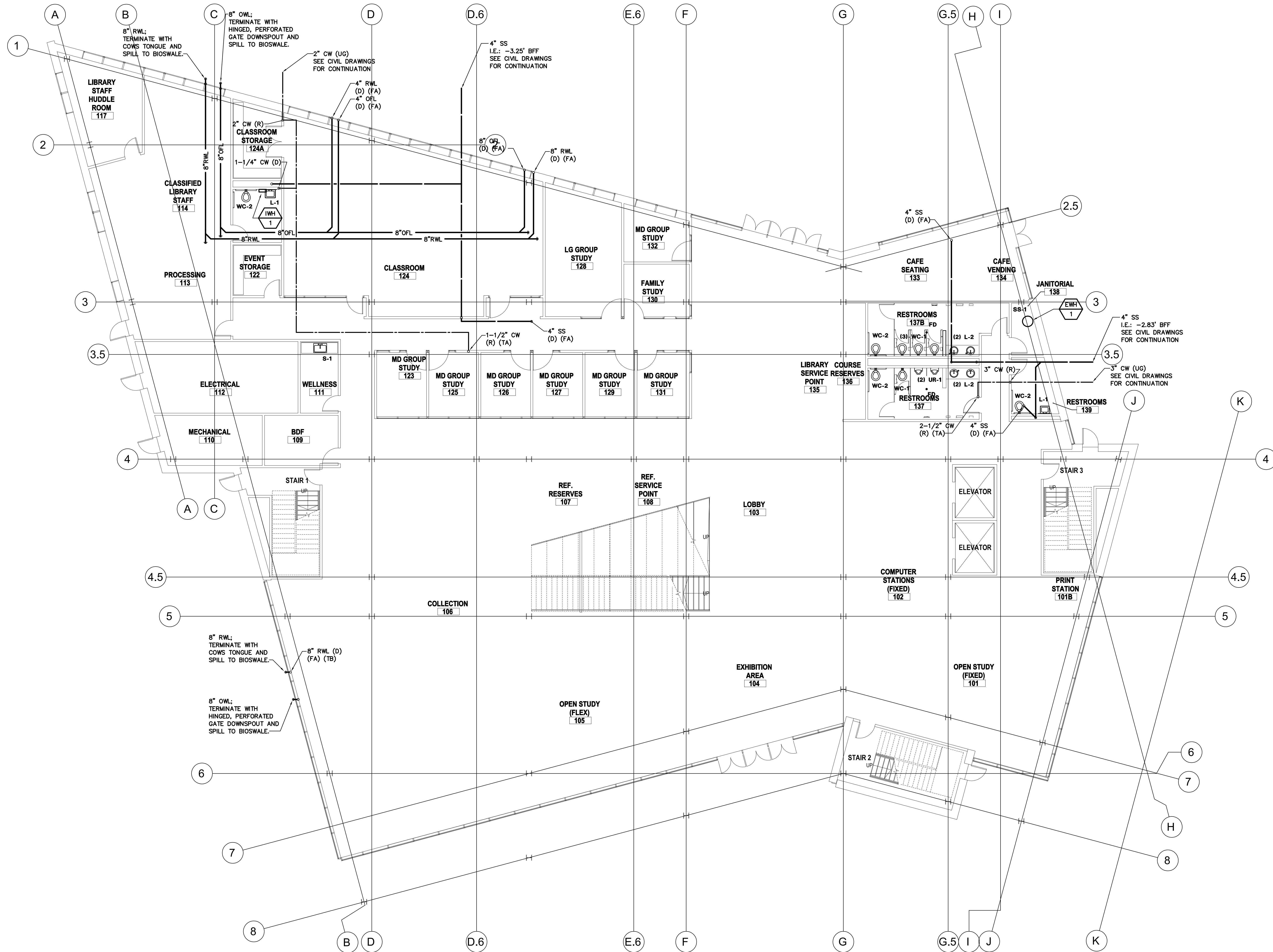
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PROJECT NO. 19531-01

SHEET TITLE AND NO.
PLUMBING FIRST
FLOOR PLAN

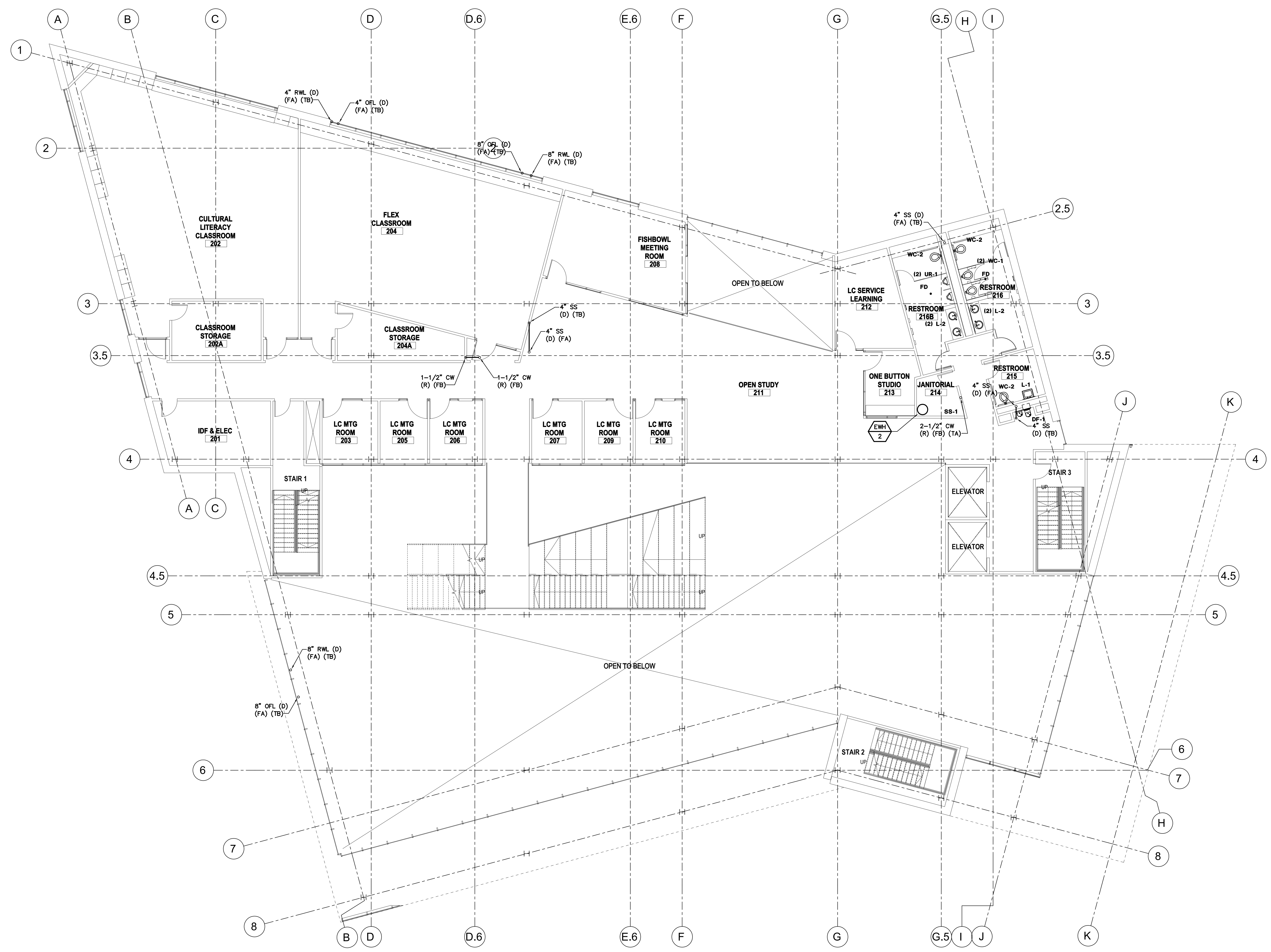
P2.4-1



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

1
P2.4-1

QC
INI
%



PLUMBING FIRST FLOOR LOFT PLAN 1
SCALE : 1/8" = 1'-0" P2.4-2

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PM - DESIGN TEAM PROJECT NO.

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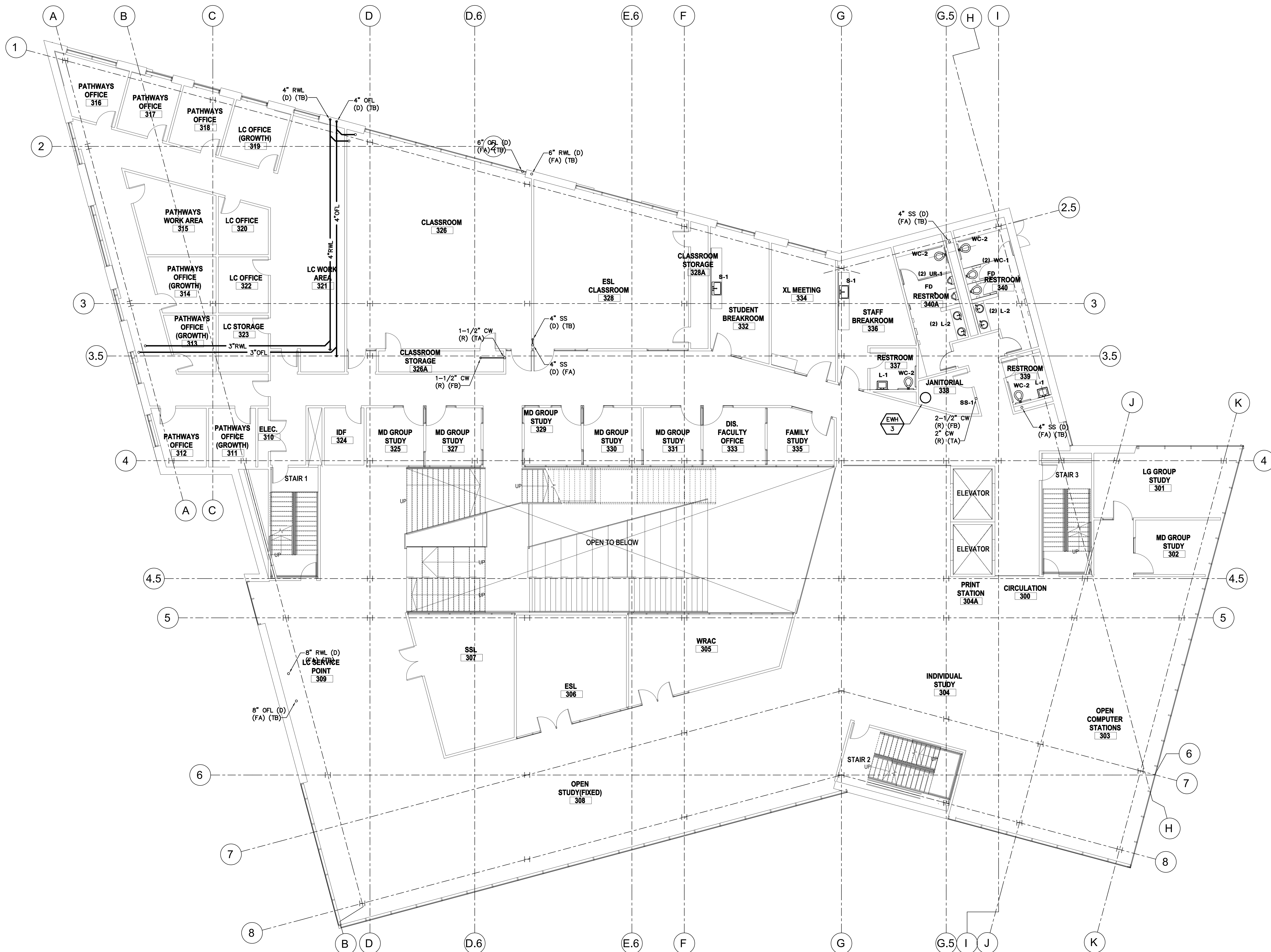


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PROJECT NO. 19531-01
SHEET TITLE AND NO.
PLUMBING FIRST FLOOR LOFT PLAN

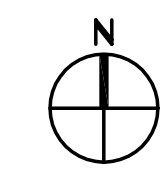
P2.4-2

QC
INI
%

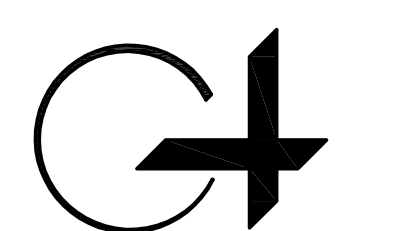


PLUMBING SECOND/SECOND FLOOR LOFT PLAN
 SCALE : 1/8" = 1'-0"

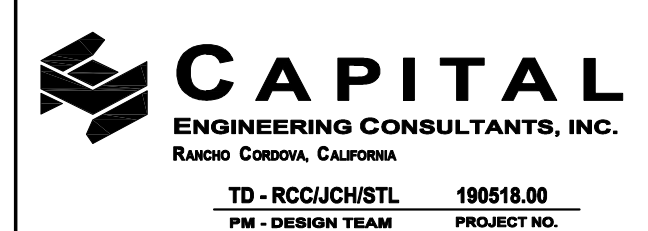
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 P2.4-3



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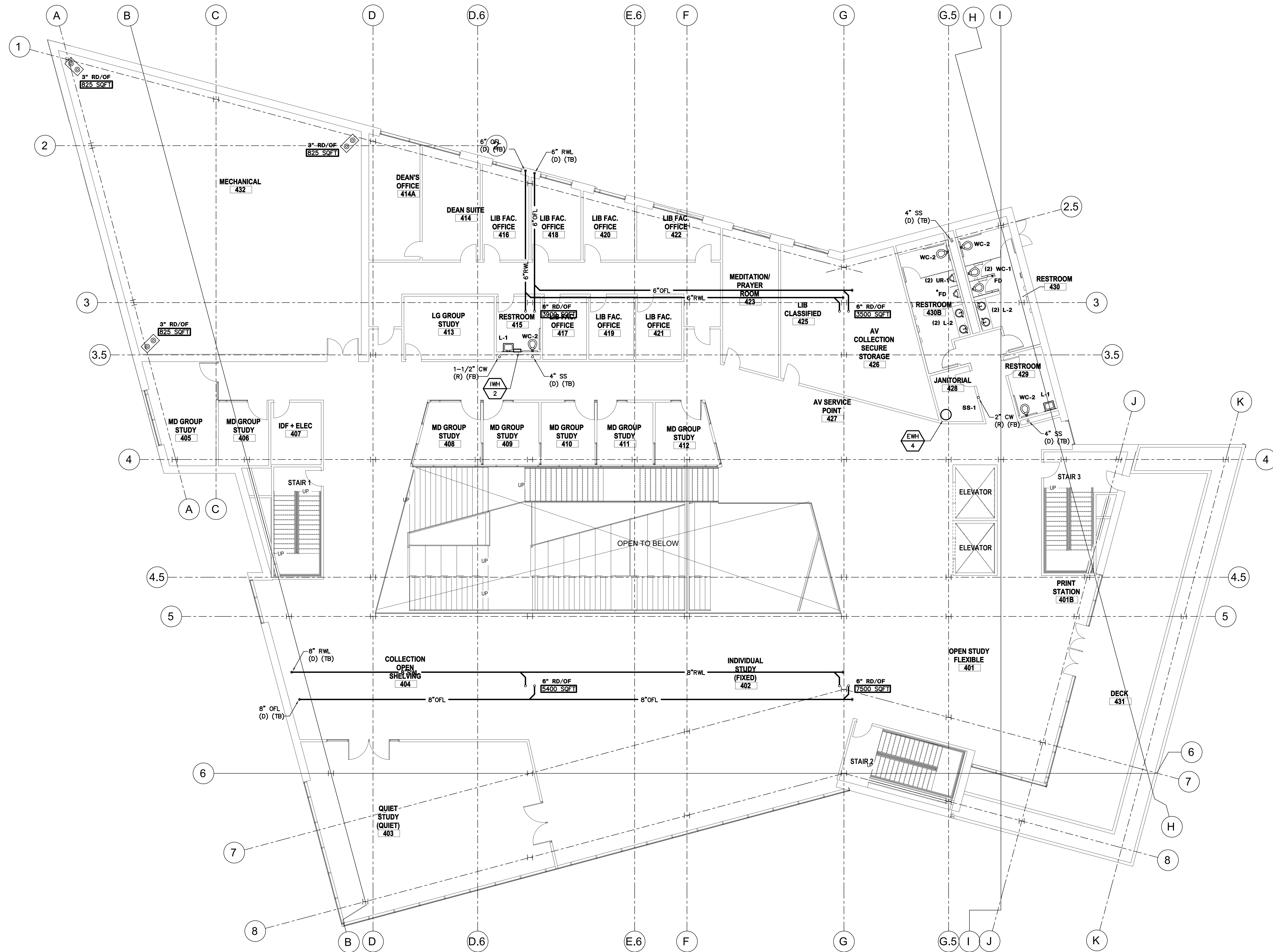
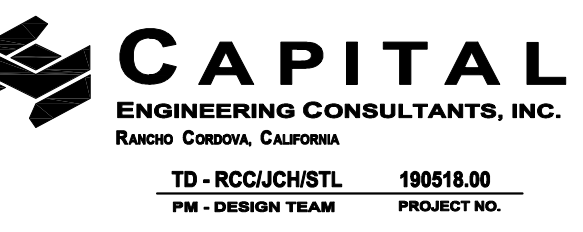
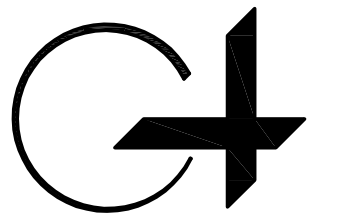
DATE SIGNED: 12/19/19

ISSUE DATE
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PROJECT NO. 19531-01

SHEET TITLE AND NO.
 PLUMBING SECOND /
 SECOND FLOOR LOFT
 PLAN

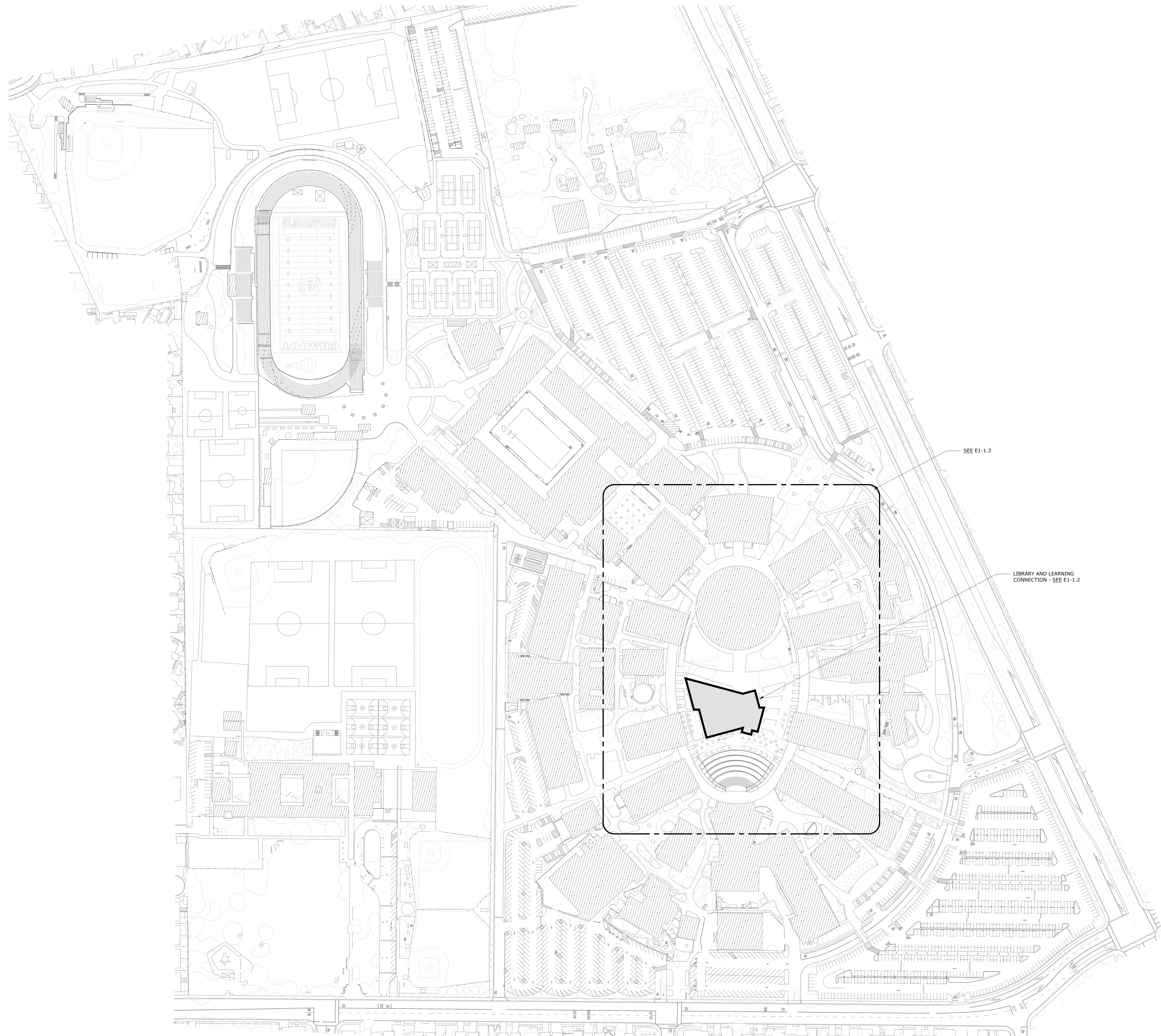
P2.4-3



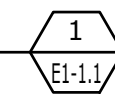
PLUMBING THIRD FLOOR PLAN

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

1
P2.4-4

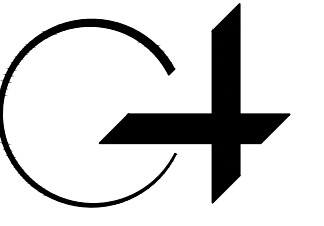


OVERALL SITE PLAN - ELECTRICAL
SCALE: 1" = 100'-0"



NUMBERED SHEET NOTES

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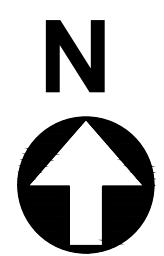
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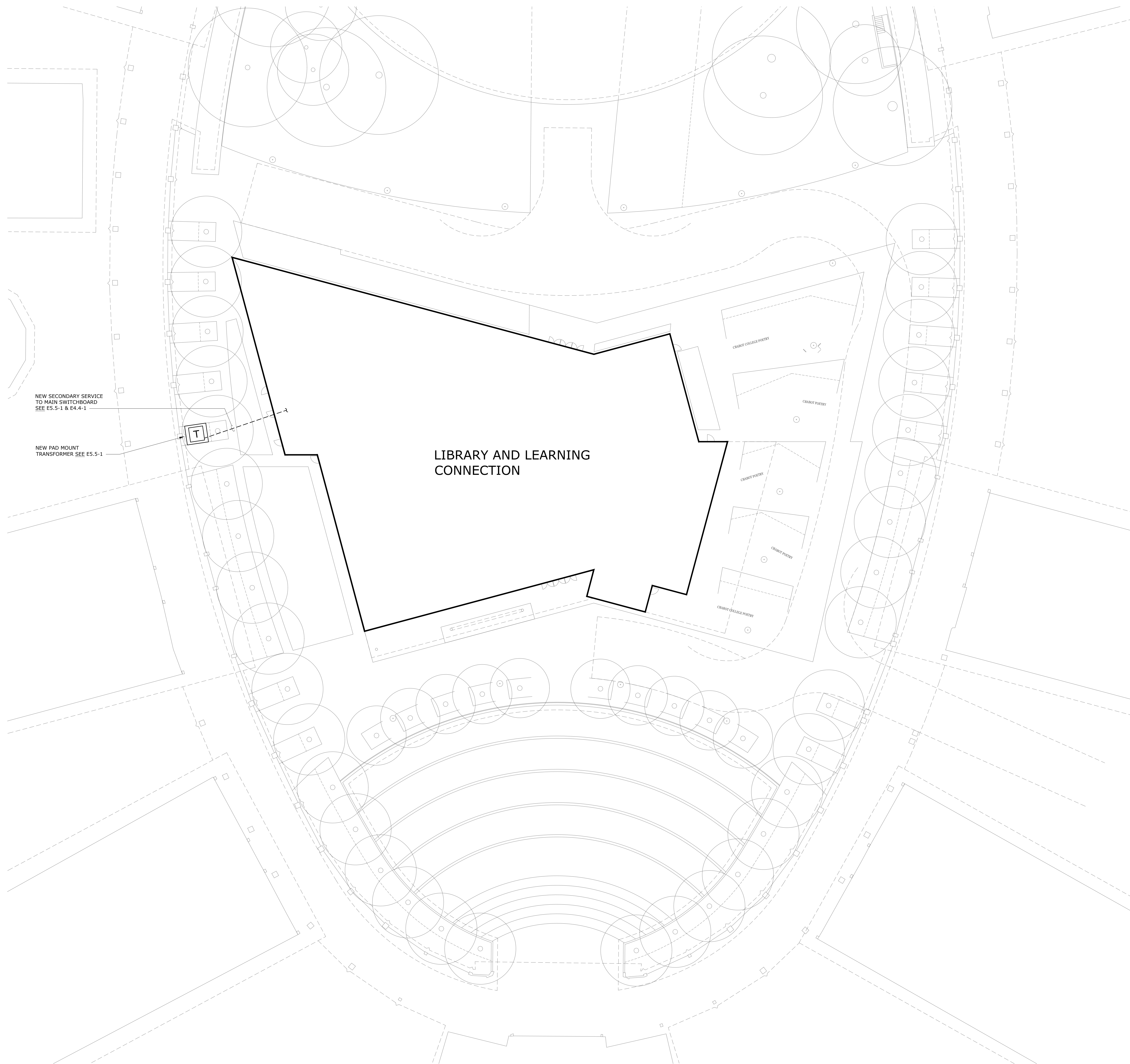
ISSUE DATE
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PROJECT NO. 19531-01

SHEET TITLE AND NO.
OVERALL
SITE PLAN -
ELECTRICAL

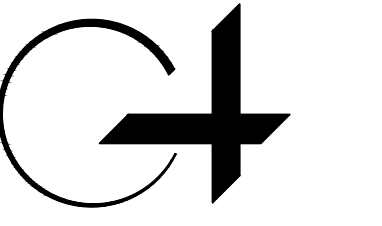
E1-1.1





NUMBERED SHEET NOTES

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 LIBRARY AND
 LEARNING
 CONNECTION**

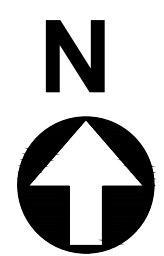
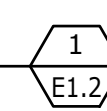
ISSUE	DATE
100% SD	12/19/19

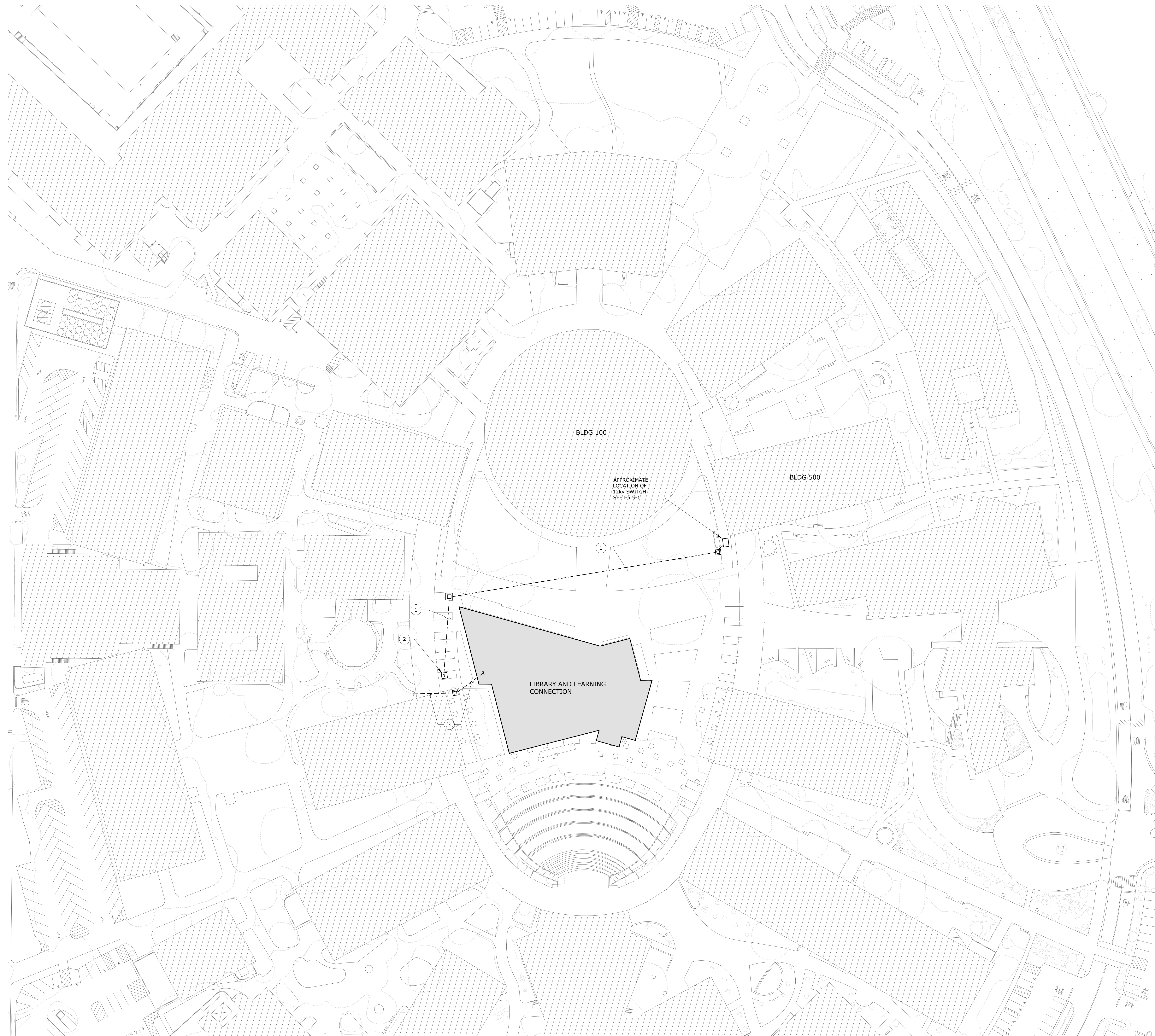
PROJECT NO. 19531-01

SHEET TITLE AND NO.
 SITE PLAN -
 ELECTRICAL

E1-1.2

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

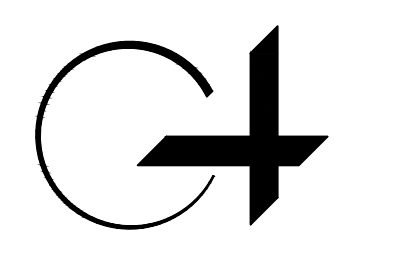




NUMBERED SHEET NOTES

- 1 PROVIDE AND INSTALL CONCRETE ENCASED UNDERGROUND 12kV FEEDERS TO NEW LIBRARY AND LEARNING CONNECTION PAD MOUNT TRANSFORMER, SEE E5-5.1.
- 2 PROVIDE AND INSTALL NEW PAD MOUNT TRANSFORMER, SEE 1/E5-5.1.
- 3 PROVIDE AND INSTALL FIRE ALARM FIBER OPTIC CABLING FOR CONNECTION TO CAMPUS FIRE ALARM SYSTEM. INCLUDE AN ALLOWANCE FOR 300 FEET OF SINGLE MODE FIBER OPTIC CABLE IN 2" UNDERGROUND CONDUIT.

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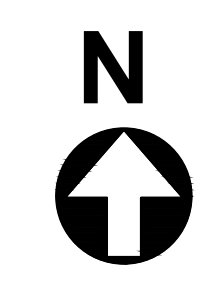


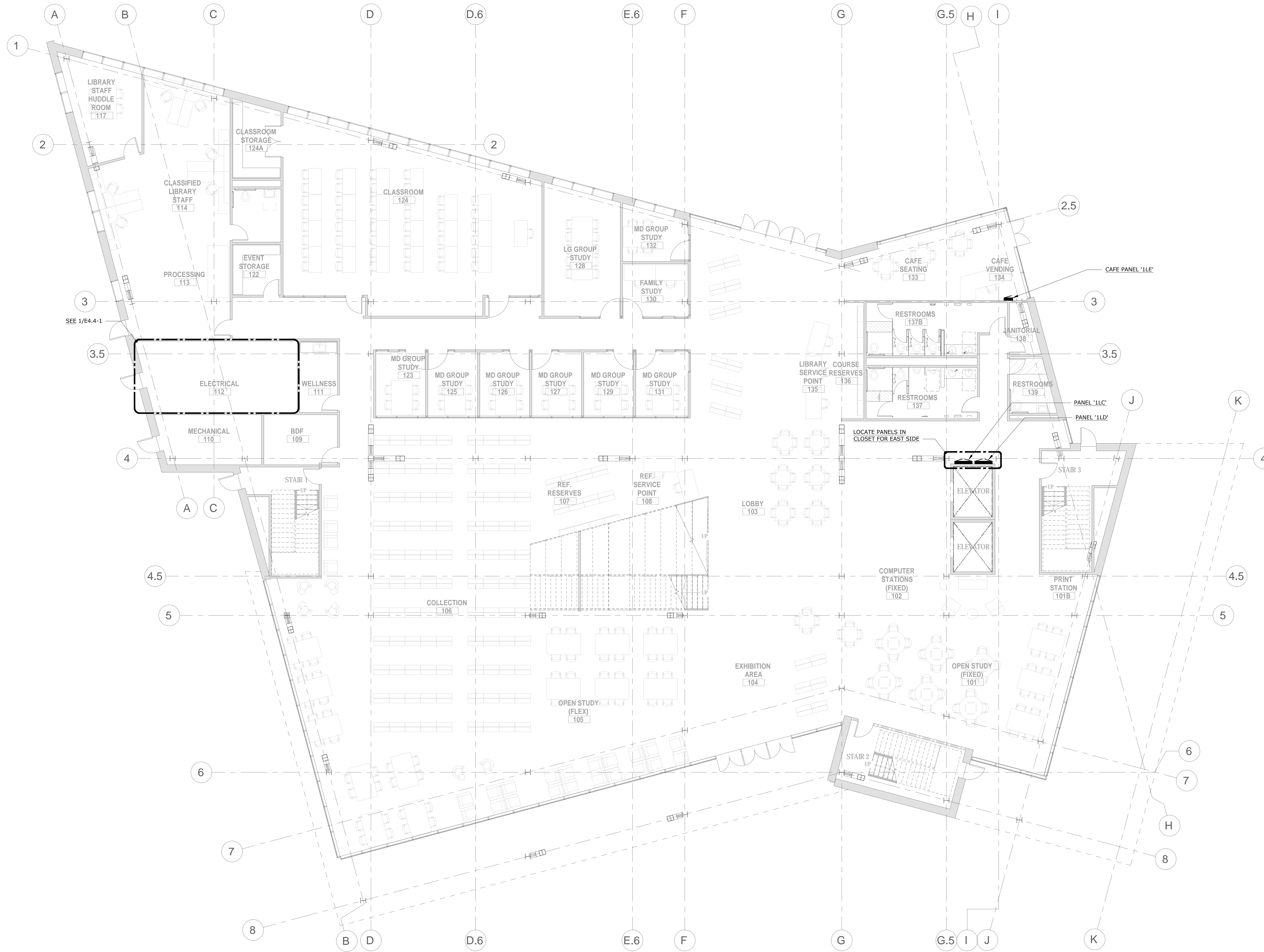
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 LIBRARY AND LEARNING CONNECTION**

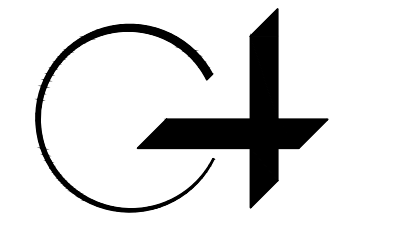
ISSUE DATE
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PROJECT NO. 19531-01
 SHEET TITLE AND NO.
 SITE PLAN - ELECTRICAL





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CHABOT COLLEGE LIBRARY AND LEARNING CONNECTION

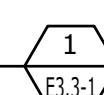
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100% SD	12/19/19

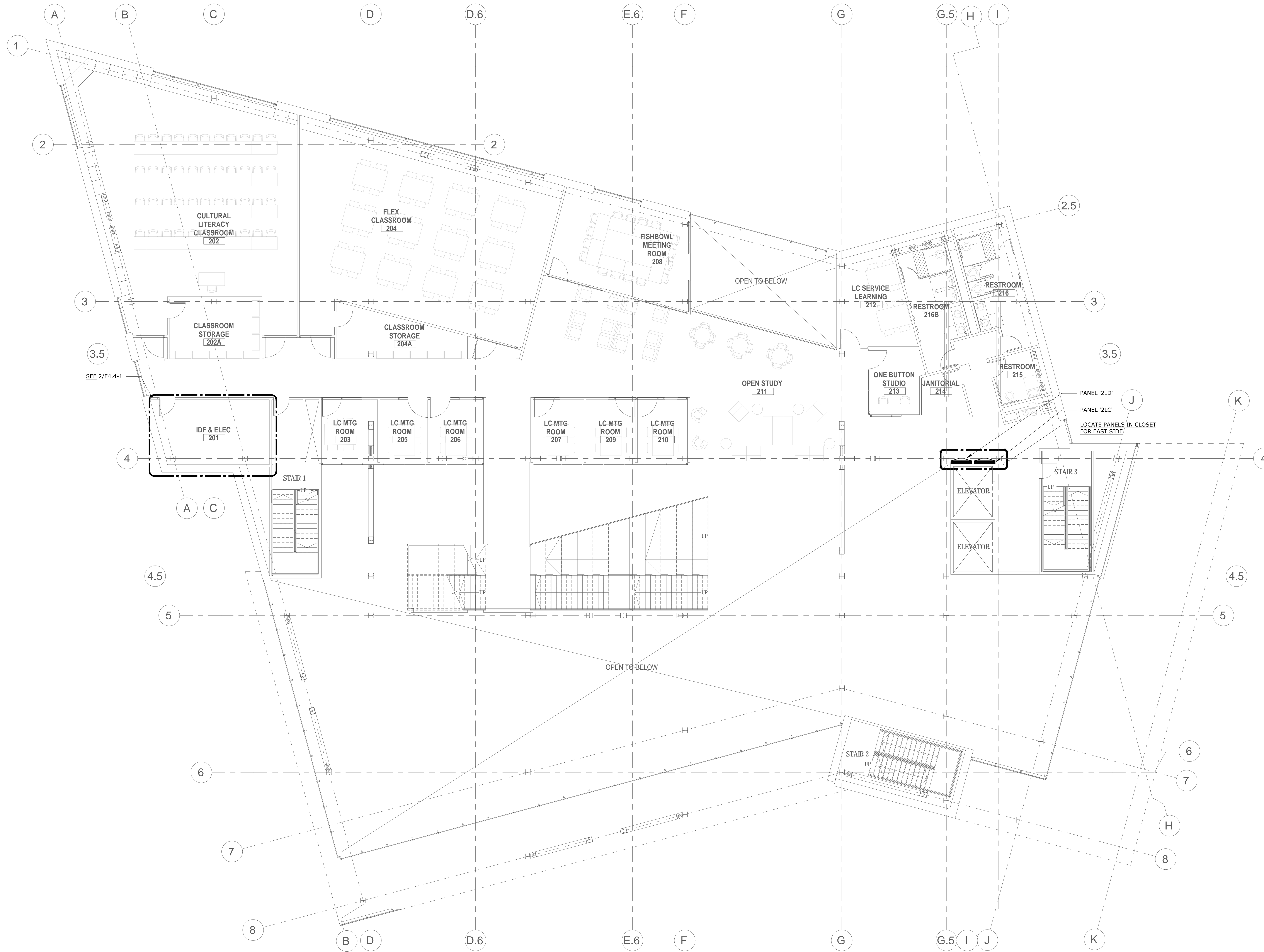
PROJECT NO. 19531-01

SHEET TITLE AND NO.
OVERALL/ REFERENCE FLOOR PLAN - FIRST FLOOR - ELECTRICAL

E3.3-1

OVERALL/REFERENCE FLOOR PLAN - FIRST FLOOR - ELECTRICAL
 SCALE: 1/8" = 1'-0"





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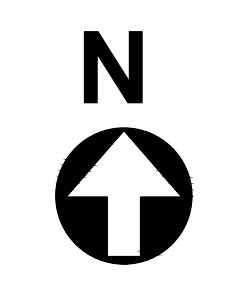
**CHABOT
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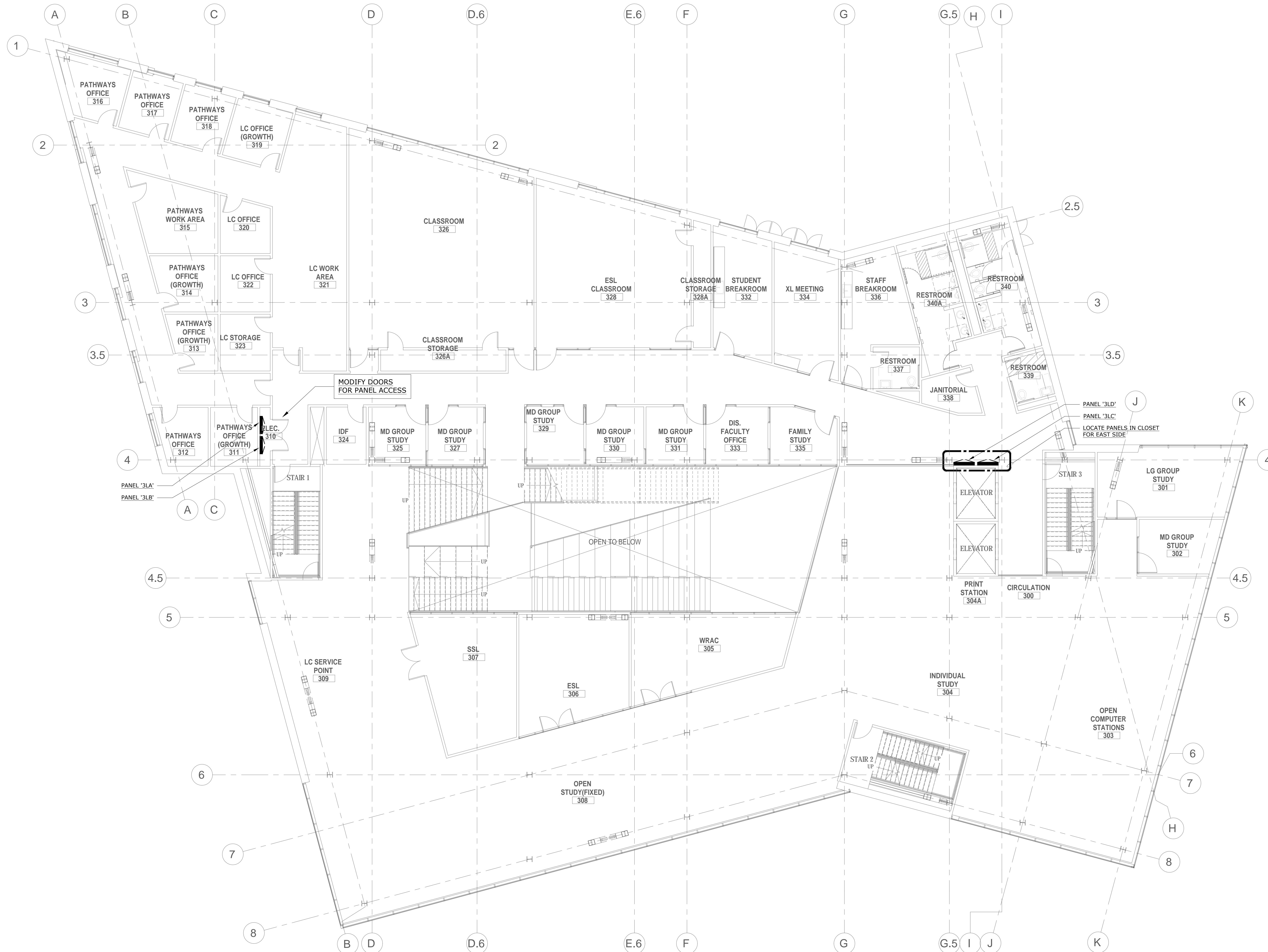
ISSUE DATE
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PROJECT NO. 19531-01
 SHEET TITLE AND NO.
 OVERALL/ REFERENCE
 FLOOR PLAN -
 FIRST FLOOR LOFT -
 ELECTRICAL

E3.3-2

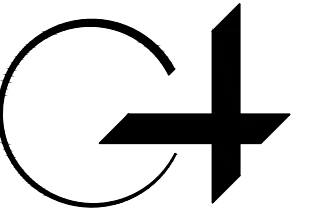
OVERALL/ REFERENCE FLOOR PLAN - FIRST FLOOR LOFT - ELECTRICAL
 SCALE: 1/8" = 1'-0"





OVERALL/REFERENCE FLOOR PLAN - SECOND/SECOND FLOOR LOFT - ELECTRICAL
SCALE: 1/8" = 1'-0"

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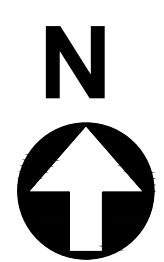
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CONNECTION

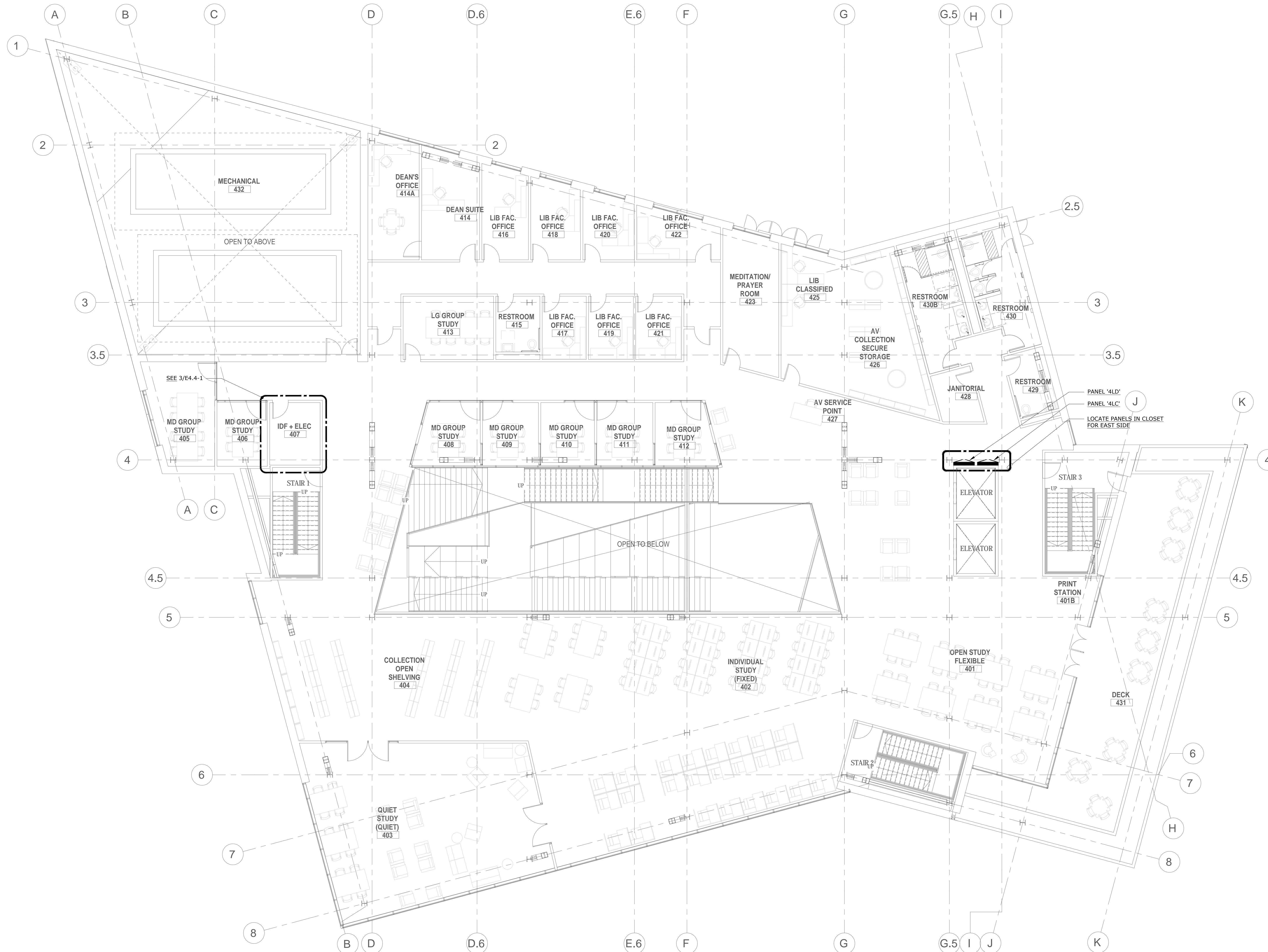
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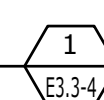
SHEET TITLE AND NO.
OVERALL/ REFERENCE
FLOOR PLAN -
SECOND/SECOND
FLOOR LOFT -
ELECTRICAL

E3.3-3

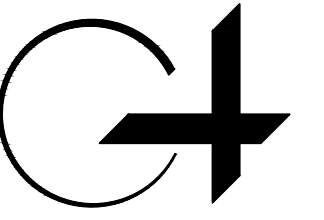




OVERALL/REFERENCE FLOOR PLAN - THIRD FLOOR - ELECTRICAL
SCALE: 1/8" = 1'-0"



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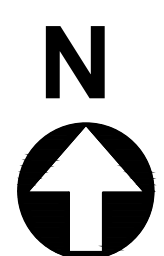
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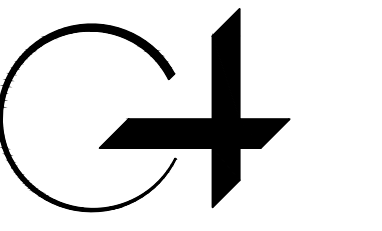
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PROJECT NO. 19531-01

SHEET TITLE AND NO.
OVERALL/REFERENCE
FLOOR PLAN -
THIRD FLOOR -
ELECTRICAL

E3.3-4





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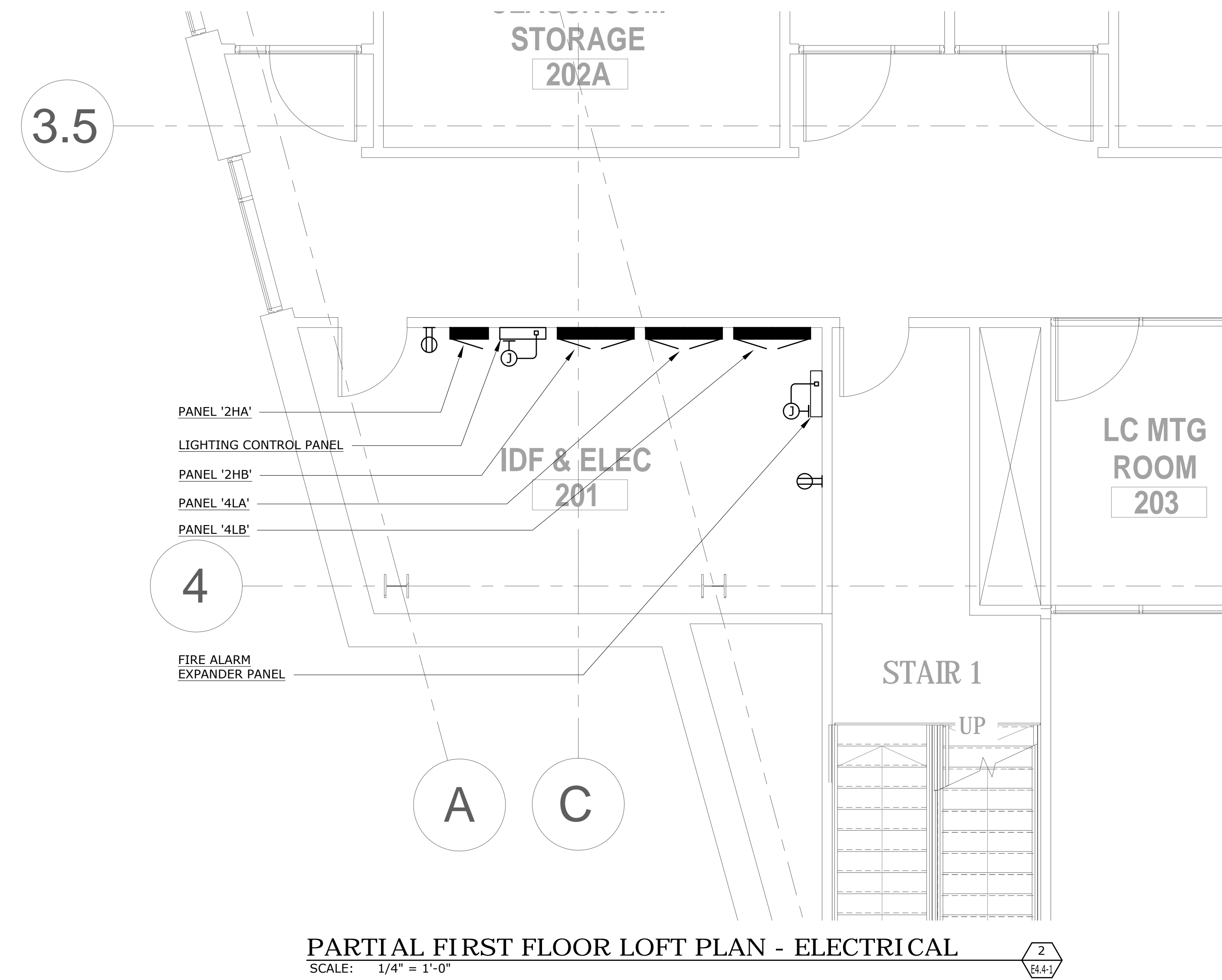
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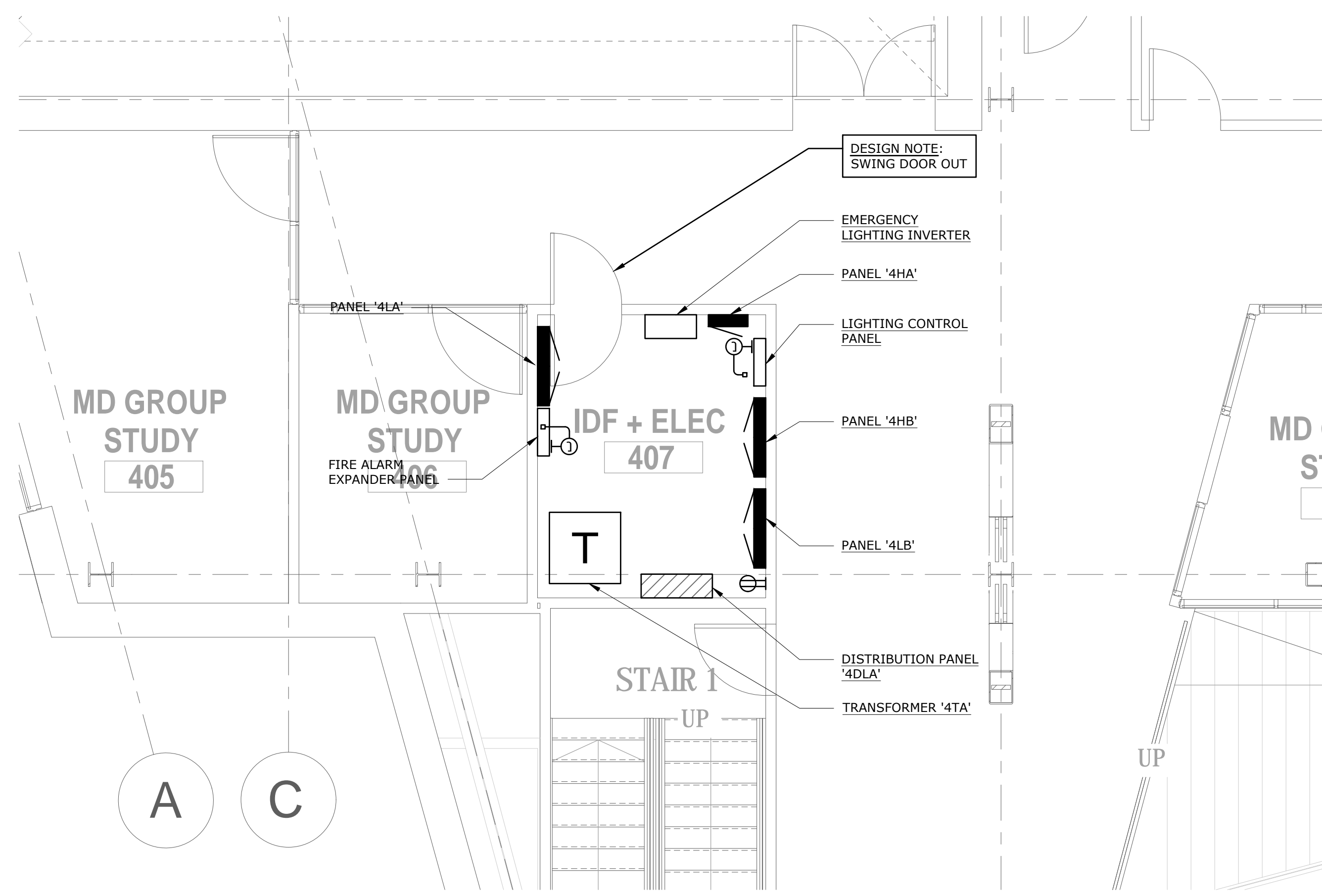
PROJECT NO. 19531-01

SHEET TITLE AND NO.
 PARTIAL FLOOR PLANS - ELECTRICAL

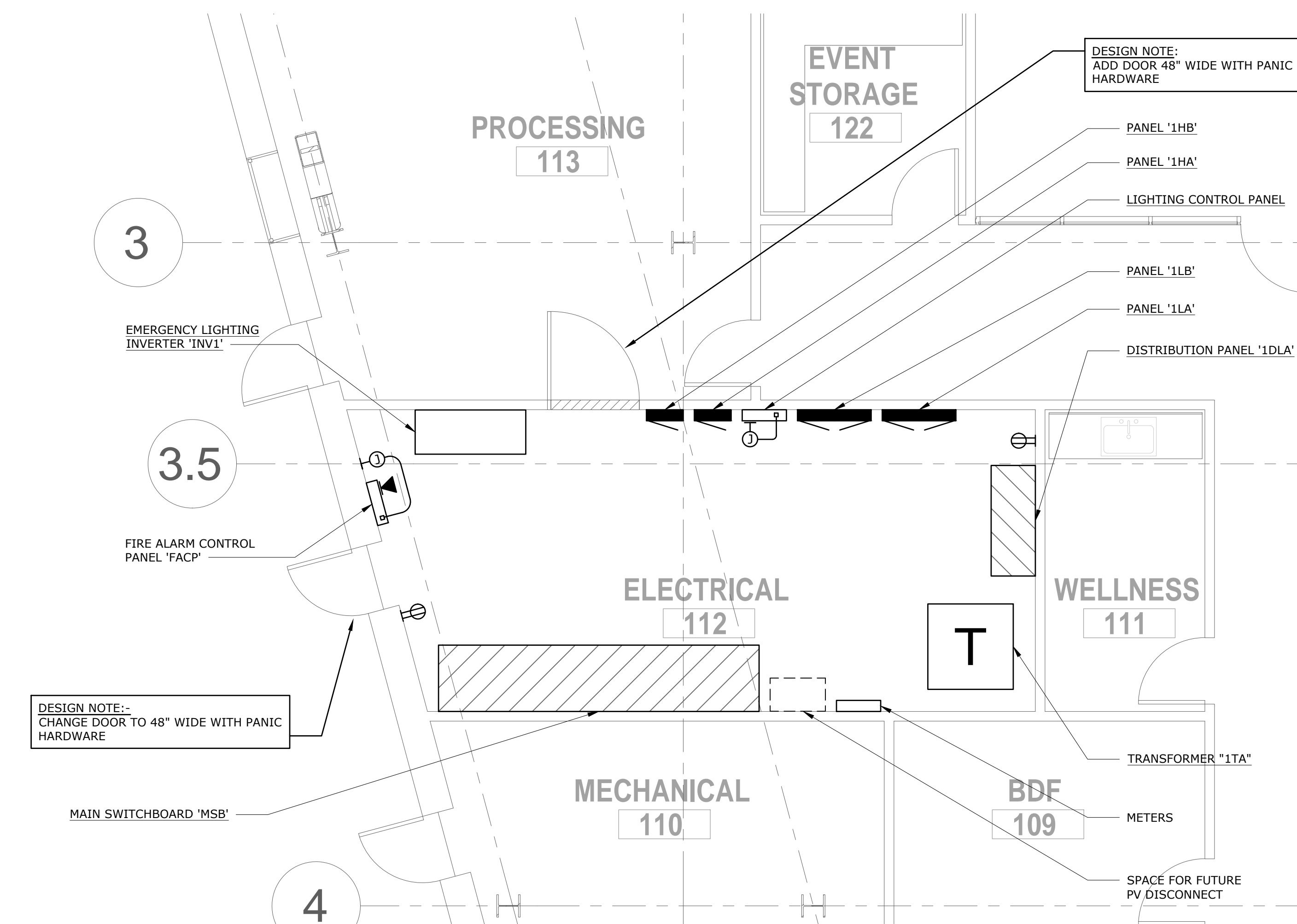
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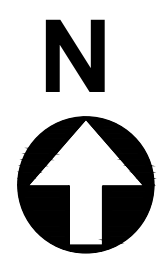
PARTIAL FIRST FLOOR LOFT PLAN - ELECTRICAL
 SCALE: 1/4" = 1'-0"



PARTIAL THIRD FLOOR PLAN - ELECTRICAL
 SCALE: 1/4" = 1'-0"



PARTIAL FIRST FLOOR PLAN - ELECTRICAL
 SCALE: 1/4" = 1'-0"

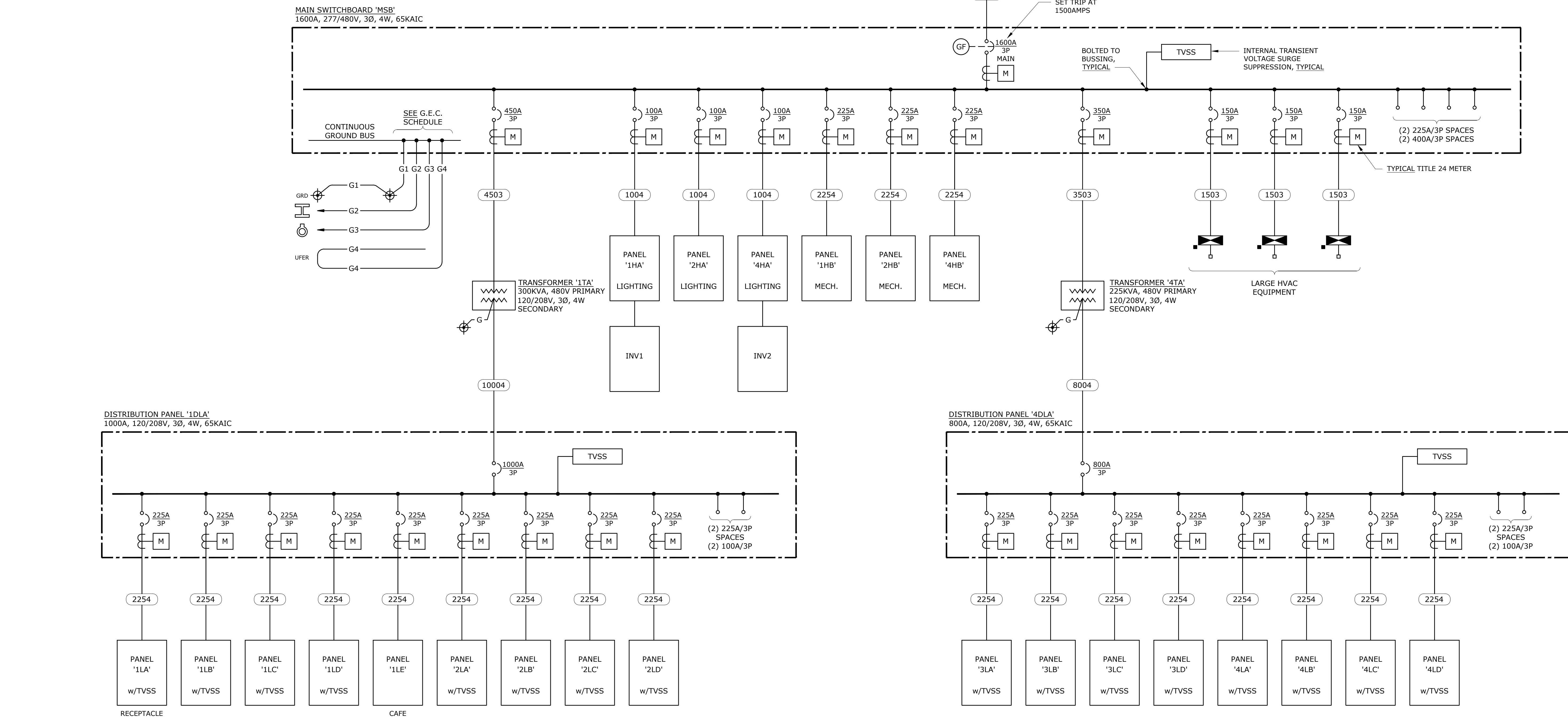


COPPER FEEDER SCHEDULE		
FEEDER	CONDUIT	CONDUCTORS
16004	(5) 3"	5 SETS: (4)400 MCM & (1)#4/0 G.
12004	(4) 3"	4 SETS: (4)350 MCM & (1)#3/0 G.
10004	(3) 3"	3 SETS: (4)400 MCM & (1)#2/0 G.
8004	(2) 4"	2 SETS: (4)500 MCM & (1)#1/0 G.
8003	(2) 4"	2 SETS: (3)500 MCM & (1)#1/0 G.
4503	(2) 2"	2 SETS: (3)#4/0 & (1)#1/0 G.
3503	(1) 3"	(3)500 MCM & (1)#2 G.
2254	(1) 3"	(4)#4/0 & (1)#4 G.
1503	(1) 2"	(3)#1/0 & (1)#6 G.
1004	(1) 2"	(4)#2 & (1)#6 G.
603	(1) 1"	(3)#4 & (1)#10 G.
503	(1) 1"	(3)#6 & (1)#10 G.

FEEDER TAG KEY	
(IG 400 4 N)	G = INDICATES DOUBLE EQUIPMENT GROUND N = INDICATES DOUBLE NEUTRAL NG = INDICATES DOUBLE NEUTRAL & DOUBLE EQUIPMENT GROUND WIRE QUANTITY (PHASE & NEUTRAL) FEEDER AMPACITY INDICATES ISOLATED GROUND (IG)

NOTE: NOT ALL FEEDERS ON THIS SCHEDULE ARE NECESSARILY USED ON THIS PROJECT.

GROUNDING ELECTRICAL CONDUCTOR (G.E.C.) SCHEDULE	
G1	(1)#4/0 CU TO GROUND ROD, SEE SPECS
G2	(1)#4/0 BARE CU IN 1" C TO BLDG. STEEL, SEE SPECS.
G3	(1)#4/0 BARE CU IN 1" C. TO METALLIC COLD WATER SERVICE ENTRANCE, SEE SPECIFICATIONS
G4	(1)#4/0 CU UFER GROUND, SEE SPECS



SINGLE LINE DIAGRAM - POWER
SCALE: NONE

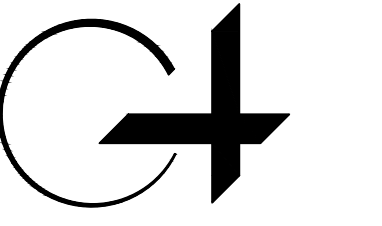
NUMBERED SHEET NOTES

- 1 PROVIDE AND INSTALL (3)#250MCM COPPER 15kv RATED FEEDERS IN 4" CONCRETE ENCASED CONDUIT.
- 2 INCLUDE AN ALLOWANCE FOR NEW 12kv FEEDERS FROM EXISTING DISTRIBUTION SYSTEM. ALLOWANCE SHALL INCLUDE 300 FEET OF (3) # 250MCM COPPER 15kv RATED FEEDERS IN 4" CONCRETE ENCASED CONDUIT.

GENERAL NOTES

- A. PER CEC 110.06 PROVIDE AND INSTALL ELECTRIC ARC FLASH WARNING SIGNS ON ALL SWITCHBOARDS, PANELBOARDS, CONTROL PANELS, METER SOCKET ENCLOSURES, AND MOTOR CONTROLS.
- B. UNDERGROUND SERVICE CONDUITS SHALL BE SEALED PER CEC 230.8.
- C. BOND ALL COLD WATER PIPING SYSTEMS, GAS PIPING SYSTEMS, AND SPRINKLER PIPING SYSTEMS TO THE BUILDING GROUNDING ELECTRODE WITH (1)#4CU. IN 3/4" CONDUIT. BOND WHEREVER THERE IS A BREAK IN THE CONTINUITY OF THESE SYSTEMS THROUGHOUT THE PROJECT.

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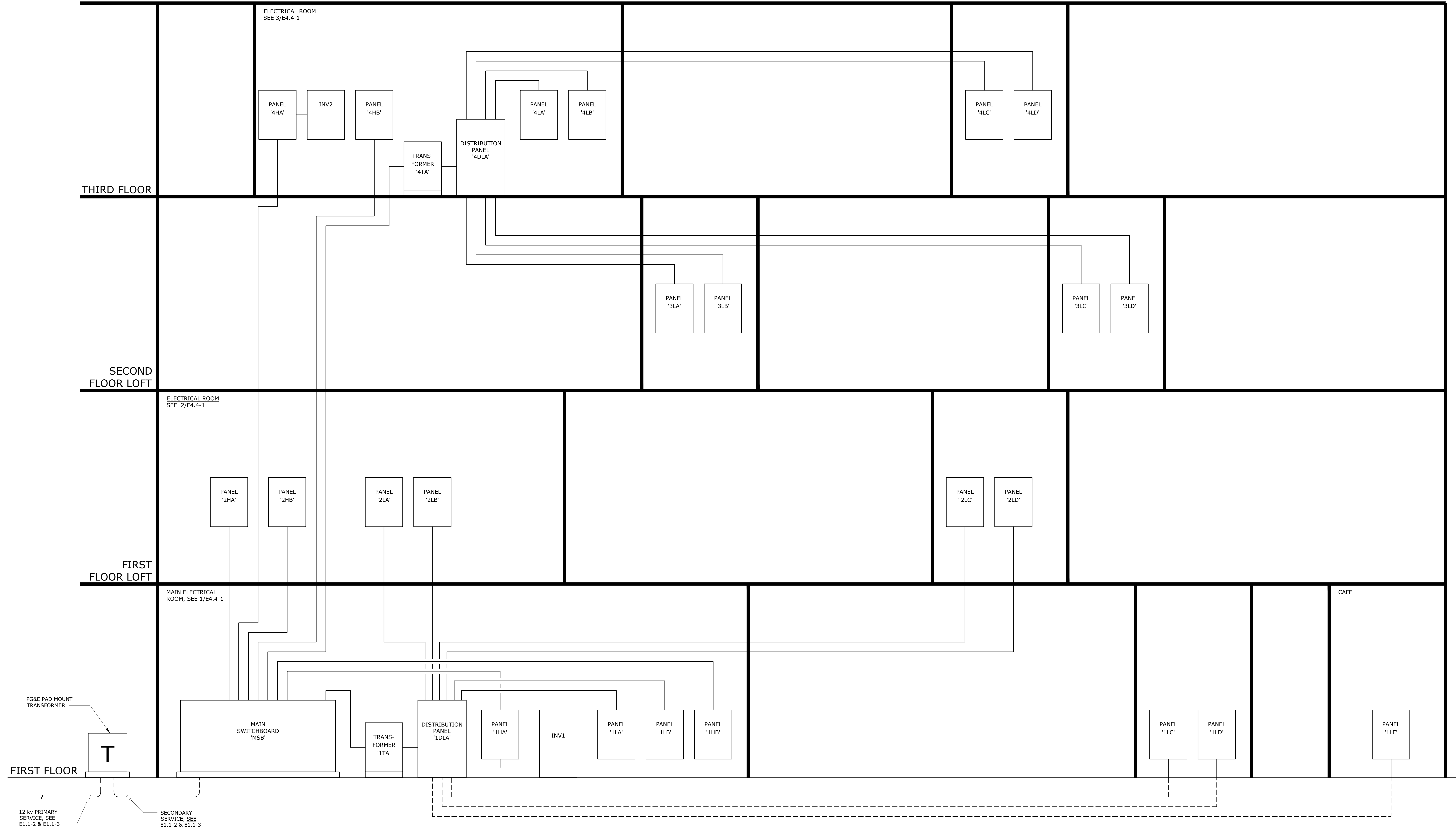
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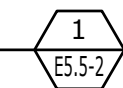
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PROJECT NO. 19331-01
SHEET TITLE AND NO.
SINGLE LINE
DIAGRAM

E5.5-1

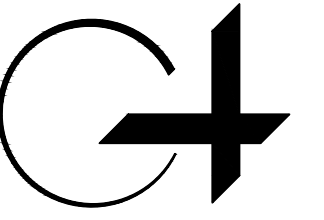


RISER DIAGRAM - POWER
SCALE: NONE



NOTE:
SEE 1/E5.5-1 FOR SINGLE LINE DIAGRAM.

DSA APPROVAL STAMP



GROUP 4

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PROJECT NO. 19531-01

SHEET TITLE AND NO.
RISER DIAGRAM

E5.5-2