

UNIVERSITY OF CALIFORNIA, IRVINE:
MESA COURT EXPANSION

UCI PROJECT NUMBER: 996296

DESIGN DEVELOPMENT DOCUMENTS

MAY 30, 2014

NOT FOR CONSTRUCTION

MITHUN

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HENSEL PHELPS
Plan. Build. Manage.

PROJECT
MESA COURT
EXPANSION

LOCATION
IRVINE, CA

PREPARED FOR

UCI
University of California, Irvine

Design & Construction
Services
5201 California Ave Suite 250
Irvine, CA 92697

UCI PROJECT NO.
996296

KEYMAP

NO.	DATE	REVISION

PROJECT DIRECTOR
BL
PROJECT MANAGER
BL
PROJECT ARCHITECT
TN
PROJECT TEAM MEMBERS
MD, AO, ZJ, CH, SG, EM, KP
CHECK
KB

ARCHITECT SEAL

TITLE
COVER SHEET

PROJECT NO.
13292.00
DATE
MAY 30, 2014

SHEET NUMBER
G0.00
DESIGN DEVELOPMENT

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ORIGINAL SHEET SIZE 30" x 42"

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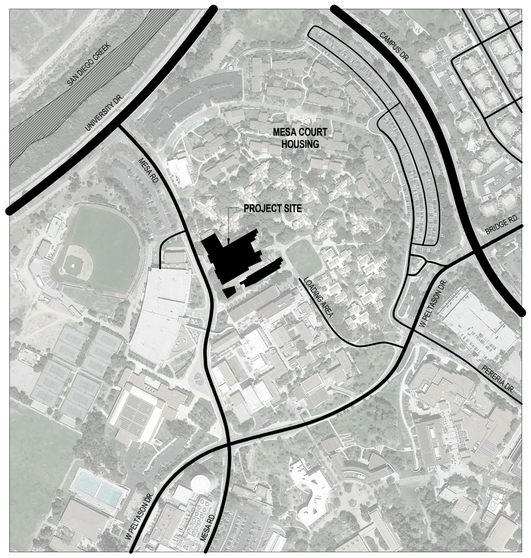
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VICINITY MAP



PROJECT LOCATION

MESA COURT COMMONS
UNIVERSITY OF CALIFORNIA, IRVINE
IRVINE, CA 92697

PROJECT SUMMARY

6 STORY BUILDING WITH A LOWER LEVEL CONTAINING DINING, COMMUNITY AND RESIDENTIAL.

A. TYPE I B CONSTRUCTION OPEN ALL SIDES
B. FULL SPRINKLERED BUILDING
C. OCCUPANCY TYPE - FOOD SERVICE/ DINING: A-2
D. OCCUPANCY TYPE - COMMUNITY/STUDY/GATHERING: A-3
E. OCCUPANCY TYPE - COFFEE SHOP: M
F. OCCUPANCY TYPE - RESIDENTIAL AREAS/SMALL LOUNGE AND GATHERING: R-2
G. OCCUPANCY TYPE - ADMINISTRATIVE/ STAFF/MAILROOM: B
H. BUILDING HEIGHT: 68' - 0" TO TOP OF ATRIUM PARAPET
I. NUMBER OF STORIES: 6 + LOWER GARDEN LEVEL
J. GROSS FLOOR AREA OF BUILDING

LOWER LEVEL:	20,593 SF
LEVEL ONE:	55,495 SF
LEVEL ONE M:	2,382 SF
LEVEL TWO:	35,600 SF
LEVEL THREE:	34,821 SF
LEVEL FOUR:	34,821 SF
LEVEL FIVE:	34,821 SF
LEVEL SIX:	34,821 SF
TOTAL BUILDING:	253,354 SF

APPLICABLE CODES

A. CALIFORNIA BUILDING CODE, 2013 EDITION
B. CALIFORNIA ELECTRICAL CODE, 2013 EDITION
C. CALIFORNIA PLUMBING CODE, 2013 EDITION
D. CALIFORNIA MECHANICAL CODE, 2013 EDITION
E. CALIFORNIA FIRE CODE, 2013 EDITION
F. CALIFORNIA ENERGY CODE, 2013 EDITION

FIRE REQUIREMENTS

CONSTRUCTION TYPE I -B FIRE REQUIREMENTS
(REFERENCE TABLE 601, TABLE 602 CBC)
A. EXTERIOR BEARING WALLS: 2 HR
B. INTERIOR BEARING WALLS: 2 HR
C. STRUCTURAL FRAME: 2HR
D. INTERIOR PARTITIONS 1 HR
E. SHAFT ENCLOSURES: 2 HR
F. FLOORS/CEILINGS: 2 HR
G. ROOF: 1HR

ALLOWABLE AREA AND NUMBER OF STORIES

UNLIMITED

GENERAL NOTES

1. DO NOT SCALE DRAWINGS. WRITTEN DIMENSIONS TAKE PRECEDENCE.
2. DIMENSIONS OF EXISTING CONSTRUCTION ARE PROVIDED FOR REFERENCE ONLY. FIELD-VERIFY ALL EXISTING DIMENSIONS.
3. DIMENSIONS MARKED "DFPR" ARE PROVIDED FOR PERMIT REVIEW - NOT FOR LAYOUT.
4. ALL DIMENSIONS ARE CLEAR DIMENSIONS, U.N.O.
5. DRAWINGS HAVE BEEN PREPARED ON AN ORIGINAL SHEET SIZE OF **30" x 42"**.
6. HORIZONTAL DIMENSIONS SHOWN INDICATE FACE OF (F.O.) CONCRETE, F.O. MASONRY, F.O. SHEATHING, CENTERLINE OF COLUMN GRIDLINE, OR F.O. FINISH (INTERIOR), UNLESS OTHERWISE NOTED. VERTICAL DIMENSIONS INDICATE TOP OF (T.O.) SLAB, T.O. SUBFLOOR, T.O. STEEL, UNLESS OTHERWISE NOTED.
7. "M.O." ON A DIMENSION LINE INDICATES "MASONRY OPENING" WITH DIMENSION POINTS TO THE CENTERLINE OF IMPLIED MASONRY JOINT, NOT TO THE FACE OF THE MASONRY UNIT. THIS MODULAR DIMENSIONING SYSTEM IS BASED ON THE NOMINAL SIZE(S) OF THE MASONRY UNITS INDICATED. VERIFY ACTUAL OPENING SIZE IN THE FIELD.
8. THESE DRAWINGS ARE THE EXCLUSIVE PROPERTY OF MITHUN, INC. AND HAVE BEEN PREPARED FOR USE IN THE EXECUTION OF THE ENCLOSED PROJECT. USE OR REPRODUCTION FOR ANY OTHER PURPOSE WITHOUT THE WRITTEN PERMISSION OF MITHUN, INC. IS PROHIBITED.
9. CONTRACTOR SHALL SUBMIT PROPOSED LOCATIONS OF ALL ACCESS PANELS TO ARCHITECT FOR REVIEW PRIOR TO INSTALLATION.

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SYMBOLS

NORTH ARROW

GRIDLINE

BUILDING SECTION / SECTION

WALL SECTION

ELEVATION

FLOOR ELEVATION

PROPERTY LINE

ROOM NAME AND NUMBER

REVISION CLOUD

DETAIL CALLOUT

SAFETY GLASS

WALL / PARTITION ASSEMBLY TYPE

FLOOR / ROOF ASSEMBLY

WINDOW TAG

LOUVER TAG

DOOR NUMBER

ACCESS PANEL NUMBER

SPOT ELEVATION

SMOKE DETECTOR

EXIT SIGN

FIRE EXTINGUISHER

FIRE EXTINGUISHER CABINET

LIGHT FIXTURE

ABBREVIATIONS

AB	- ANCHOR BOLT
ACC	- ACCESSIBLE
ACM	- ALUMINUM COMPOSITE MATERIAL
ACOUS	- ACOUSTICAL
ACP	- ALUMINUM COMPOSITE PANEL
AD	- AREA DRAIN
ADD	- ADDITIONAL
ADJ	- ADJUSTABLE
AFF	- ABOVE FINISH FLOOR
AGGR	- AGGREGATE
ALT	- ALTERNATE
ALUM	- ALUMINUM
ANOD	- ANODIZED
APC	- ACOUSTICAL PANEL CEILING
APPD	- APPROVED
APPROX	- APPROXIMATE
ARCH	- ARCHITECTURAL
ATC	- ACOUSTICAL TILE CEILING
BEJ	- BRICK EXPANSION JOINT
BD	- BOARD
BLDG	- BUILDING
BLK	- BLOCK
BM	- BEAM
BOH	- BACK-OF-HOUSE
BOT	- BOTTOM
BRK	- BRICK
BSMT	- BASEMENT
BUR	- BUILT-UP ROOFING
CAB	- CABINET
CBD	- CATCH BASIN
CBU	- CEMENTITIOUS BACKER UNIT
CEM	- CEMENT
CER	- CERAMIC
CG	- CORNER GUARD
CHAN	- CHANNEL
CI	- CONTINUOUS INSULATION / CAST IRON
CIP	- CAST-IN-PLACE
CJ	- CONTROL JOINT / CONSTRUCTION JOINT
CL	- CENTER LINE
CLG	- CEILING
CLR	- CLEAR
CMU	- CONCRETE MASONRY UNIT
CNTR	- COUNTER
CO	- CLEANOUT
COL	- COLUMN
CONC	- CONCRETE
CONT	- CONTINUOUS
CORR	- CORRIDOR
CT	- CERAMIC TILE / COOLING TOWER
CTR	- CENTER
CW	- COLD WATER (PIPING)
DBL	- DOUBLE
DEMO	- DEMOLITION
DEPT	- DEPARTMENT
DET	- DETAIL
DF	- DRINKING FOUNTAIN
DFPR	- DIMENSION FOR PERMIT REVIEW (NOT FOR CONSTRUCTION)
DIA	- DIAMETER
DIM	- DIMENSION
DISP	- DISPENSER
DN	- DOWN
DO	- DOOR OPENING
DP	- DIMENSION POINT
DR	- DOOR
DS	- DOWNSPOUT
DW	- DISHWASHER
DWG	- DRAWING
DWR	- DRAWER
(E)	- EXISTING
E	- EAST
EA	- EACH
EJ	- EXPANSION JOINT
EL	- ELEVATION
ELEC	- ELECTRICAL
ELEV	- ELEVATOR
EQ	- EQUAL
EQUIP	- EQUIPMENT
EWC	- ELECTRICAL WATER COOLER
EXH	- EXHAUST
EXP	- EXPANSION
EXIST	- EXISTING
EXT	- EXTERIOR
FA	- FIRE ALARM
FD	- FLOOR DRAIN
FDC	- FIRE DEPARTMENT CONNECTION
FND	- FOUNDATION
FE	- FIRE EXTINGUISHER
FEC	- FIRE EXTINGUISHER CABINET
FF&E	- FURNITURE, FINISHES & EQUIPMENT
FHC	- FIRE HOSE CABINET
FIN	- FINISH
FIXT	- FIXTURE
FL	- FLOOR
FLASH	- FLASHING
FLUOR	- FLUORESCENT
FO	- FACE OF
FP	- FIRE PROTECTION
FPG	- FIREPROOFING
FR	- FRAME
FT	- FEET
FRT	- FIRE RETARDANT TREATED
FTG	- FOOTING
FURN	- FURNITURE
FURR	- FURRING
GA	- GAUGE / GAGE
GALV	- GALVANIZED
GB	- GRAB BAR
GC	- GENERAL CONTRACT(OR)
GFA	- GROSS FLOOR AREA
GFRC	- GLASS FIBER REINFORCED CONCRETE
GFRG	- GLASS FIBER REINFORCED GYPSUM
GL	- GLASS
GRD	- GROUND
GWB	- GYPSUM WALLBOARD
H	- HIGH / HEIGHT
HB	- HOSE BIB
HC	- HOLLOW CORE
HCP	- HANDICAPPED
HDW	- HARDWARE
HDWD	- HARDWOOD
HM	- HOLLOW METAL (STEEL FRAME)
HNDRL	- HANDRAIL
HO	- HOLD-OPEN
HOB	- HOME OFFICE BASE = 1101 2ND AVE BUILDING
HORIZ	- HORIZONTAL
HRC	- HOSE REEL CABINET
HR	- HOUR
HT	- HEIGHT
HVAC	- HEATING, VENTILATION, AIR CONDITIONING
HW	- HOT WATER
ID	- INSIDE DIAMETER
IGU	- INSULATED GLAZING UNIT
IN	- INCH
INFO	- INFORMATION
INS	- INSULATION
INT	- INTERIOR
INV	- INVERT
JAN	- JANITOR
JC	- JANITOR'S CLOSET
JST	- JOIST
JT	- JOINT
K	- KIP (1000 LBF)
KPL	- KICK PLATE
KO	- KNOCKOUT
LAB	- LABORATORY
LAM	- LAMINATE / LAMINATION
LAV	- LAVATORY
LB	- POUND
LF	- LINEAR FOOT
LKR	- LOCKER
LN	- LINE
LT	- LIGHT
MACH	- MACHINE
MAS	- MASONRY
MATL	- MATERIAL
MAX	- MAXIMUM
MDF	- MEDIUM DENSITY FIBERBOARD
MEP	- MECHANICAL, ELECTRICAL, PLUMBING
MDO	- MEDIUM DENSITY OVERLAY PLYWOOD
MECH	- MECHANICAL
MEMB	- MEMBRANE
MFR	- MANUFACTURER
MH	- MANHOLE
MIN	- MINIMUM
MISC	- MISCELLANEOUS
MO	- MASONRY OPENING
MS	- MACHINE SCREW
MTD	- MOUNTED
MTL	- METAL
MULL	- MULLION
N	- NORTH
NA	- NOT APPLICABLE
NC	- NOISE CRITERIA
NIC	- NOT IN CONTRACT
NO	- NUMBER
NOM	- NOMINAL
NTS	- NOT TO SCALE
OA	- OUTSIDE AIR
OC	- ON CENTER
OD	- OUTSIDE DIAMETER/ DIMENSION
OFCI	- OWNER FURNISHED, CONTRACTOR INSTALLED
OFOI	- OWNER FURNISHED, OWNER INSTALLED
OFF	- OFFICE
OH	- OVER HEAD
OPNG	- OPENING
OPP	- OPPOSITE
ORD	- OVERFLOW ROOF DRAIN
OVHD	- OVERHEAD
P	- PAINT
PAV	- PAVING
PARTN	- PARTITION
PBD	- PARTICLEBOARD
PC	- PRECAST
PERF	- PERFORATED
PL	- PLATE
PLAM	- PLASTIC LAMINATE
PLAS	- PLASTER
PLBG	- PLUMBING
PLF	- POUNDS PER LINEAR FOOT
PLYWD	- PLYWOOD
PNL	- PANEL
POF	- "PAY ON FOOT" PARKING PAYMENT MACHINE
PR	- PAIR
PREFAB	- PREFABRICATED
PROJ	- PROJECT
PSF	- POUNDS PER SQUARE FOOT
PT	- POINT
PTD	- PAINTED/PAPER TOWEL DISPENSER
PTR	- PAPER TOWEL RECEPTACLE
QT	- QUARRY TILE
QTY	- QUANTITY
(R)	- RELOCATED
R	- RADIUS OR RISER (PIPING)
RA	- RETURN AIR
RB	- RESILIENT BASE
RCP	- REFLECTED CEILING PLAN
RD	- ROOF DRAIN
REF	- REFERENCE
REFR	- REFRIGERATOR
REG	- REGISTER
REINF	- REINFORCED / REINFORCING
REQ	- REQUIRE / REQUIRED
RESIL	- RESILIENT
REV	- REVISION / REVISED
RM	- ROOM
RO	- ROUGH OPENING
ROW	- RIGHT-OF-WAY
RTD	- RATED
RWL	- RAIN WATER LEADER
S	- SOUTH
SA	- SUPPLY AIR
SC	- SOLID CORE
SCHED	- SCHEDULE
SD	- STORM DRAIN / SOAP DISPENSER
SECT	- SECTION
SF	- SQUARE FEET/FOOT
SHT	- SHEET
SHR	- SHOWER
SIM	- SIMILAR
SM	- SHEET METAL OR SQUARE METER (METRIC DOCS)
SND	- SANITARY NAPKIN DISPENSER
SP	- STANDPIPE
SPEC	- SPECIFICATION
SPR	- SPRINKLER
SPKR	- SPEAKER
SQ	- SQUARE
SSB	- SECOND AND SENECA BUILDING
SST	- STAINLESS STEEL
STD	- STANDARD
STL	- STEEL
STOR	- STORAGE
STRUCT	- STRUCTURAL
SUSP	- SUSPENDED
SYS	- SYSTEM
T&G	- TONGUE AND GROOVE
T	- TREAD / THERMOSTAT
TB	- TOWEL BAR
TC	- TOP OF CURB
TCONC	- TOP OF CONCRETE
TEL	- TELEPHONE OR TELECOM
THK	- THICKNESS
THRES	- THRESHOLD
TMPD	- TEMPERED
TO	- TOP OF (SEE OTHER WORD)
TOS	- TOP OF SLAB, TOP OF STRUCTURE
TOSTL	- TOP OF STEEL
TP	- TOP OF PAVEMENT
TPD	- TOILET PAPER DISPENSER
TV	- TELEVISION
TW	- TOP OF WALL
TYP	- TYPICAL
UON	- UNLESS OTHERWISE NOTED
UR	- URINAL
VCT	- VINYL COMPOSITION TILE
VERT	- VERTICAL
VEST	- VESTIBULE
VIF	- VERIFY IN FIELD
VG	- VERTICAL GLAZING
VR	- VAPOR RETARDER
VT	- VINYL TILE
VWC	- VINYL WALL COVERING
W/	- WITH
W	- WIDE, WIDTH/WEST
WC	- WATER CLOSET
WD	- WOOD
WDW	- WINDOW
W/O	- WITHOUT
WP	- WATERPROOFING
WR	- WATER RESISTANT/REPELLANT
WRB	- WEATHER-RESISTIVE BARRIER (EQUIVALENT TO AIR BARRIER)
WT	- WEIGHT

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PROJECT
MESA COURT EXPANSION

LOCATION
IRVINE, CA

PREPARED FOR
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University of California, Irvine
Design & Construction Services
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UCI PROJECT NO.
996296

KEYMAP

NO.	DATE	REVISION

PROJECT DIRECTOR
BL
PROJECT MANAGER
BL
PROJECT ARCHITECT
TN
PROJECT TEAM MEMBERS
MD, AO, ZJ, CH, SG, EM, KP
CHECK
KB

ARCHITECT SEAL

TITLE
ABBREVIATIONS & SYMBOLS

PROJECT NO.
13292.00

DATE
MAY 30, 2014

SHEET NUMBER
G0.02
DESIGN DEVELOPMENT

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ORIGINAL SHEET SIZE 36" x 42"

NOT FOR CONSTRUCTION

1. PROJECT LOCATION: UNIVERSITY OF CALIFORNIA, IRVINE

2. GENERAL BUILDING DESCRIPTION:

6 STORY BUILDING WITH A LOWER LEVEL
CONTAINING DINING, COMMUNITY, AND RESIDENTIAL.

A. TYPE I B CONSTRUCTION OPEN ALL SIDES
B. FULL SPRINKLERED BUILDING
C. OCCUPANCY TYPE - FOOD SERVICE/ DINING: A-2
D. OCCUPANCY TYPE - COMMUNITY/STUDY/GATHERING: A-3
E. OCCUPANCY TYPE - COFFEE SHOP: M
F. OCCUPANCY TYPE - RESIDENTIAL AREAS/SMALL LOUNGE AND GATHERING: R-2
G. OCCUPANCY TYPE - ADMINISTRATIVE/ STAFF/MAILROOM: B
H. BUILDING HEIGHT: 68' - 0" TO TOP OF ATRIUM PARAPET
I. NUMBER OF STORIES: 6 + LOWER GARDEN LEVEL
J. GROSS FLOOR AREA OF BUILDING

LOWER LEVEL:	20,593 SF
LEVEL ONE:	55,495 SF
LEVEL ONE M:	2,382 SF
LEVEL TWO:	35,600 SF
LEVEL THREE:	34,821 SF
LEVEL FOUR:	34,821 SF
LEVEL FIVE:	34,821 SF
LEVEL SIX:	34,821 SF
TOTAL BUILDING:	253,354 SF

3. CONSTRUCTION TYPE I -B FIRE REQUIREMENTS
(REFERENCE TABLE 601, TABLE 602 CBC)
A. EXTERIOR BEARING WALLS: 2 HR
B. INTERIOR BEARING WALLS: 2 HR
C. STRUCTURAL FRAME: 2HR
D. INTERIOR PARTITIONS 1 HR
E. SHAFT ENCLOSURES: 2 HR
F. FLOORS/CEILINGS: 2 HR
G. ROOF: 1HR

4. APPLICABLE CODES
A. CALIFORNIA BUILDING CODE, 2013 EDITION
B. CALIFORNIA ELECTRICAL CODE, 2013 EDITION
C. CALIFORNIA PLUMBING CODE, 2013 EDITION
D. CALIFORNIA MECHANICAL CODE, 2013 EDITION
E. CALIFORNIA FIRE CODE, 2013 EDITION
F. CALIFORNIA ENERGY CODE, 2013 EDITION

5. ALLOWABLE AREA AND NUMBER OF STORIES - UNLIMITED

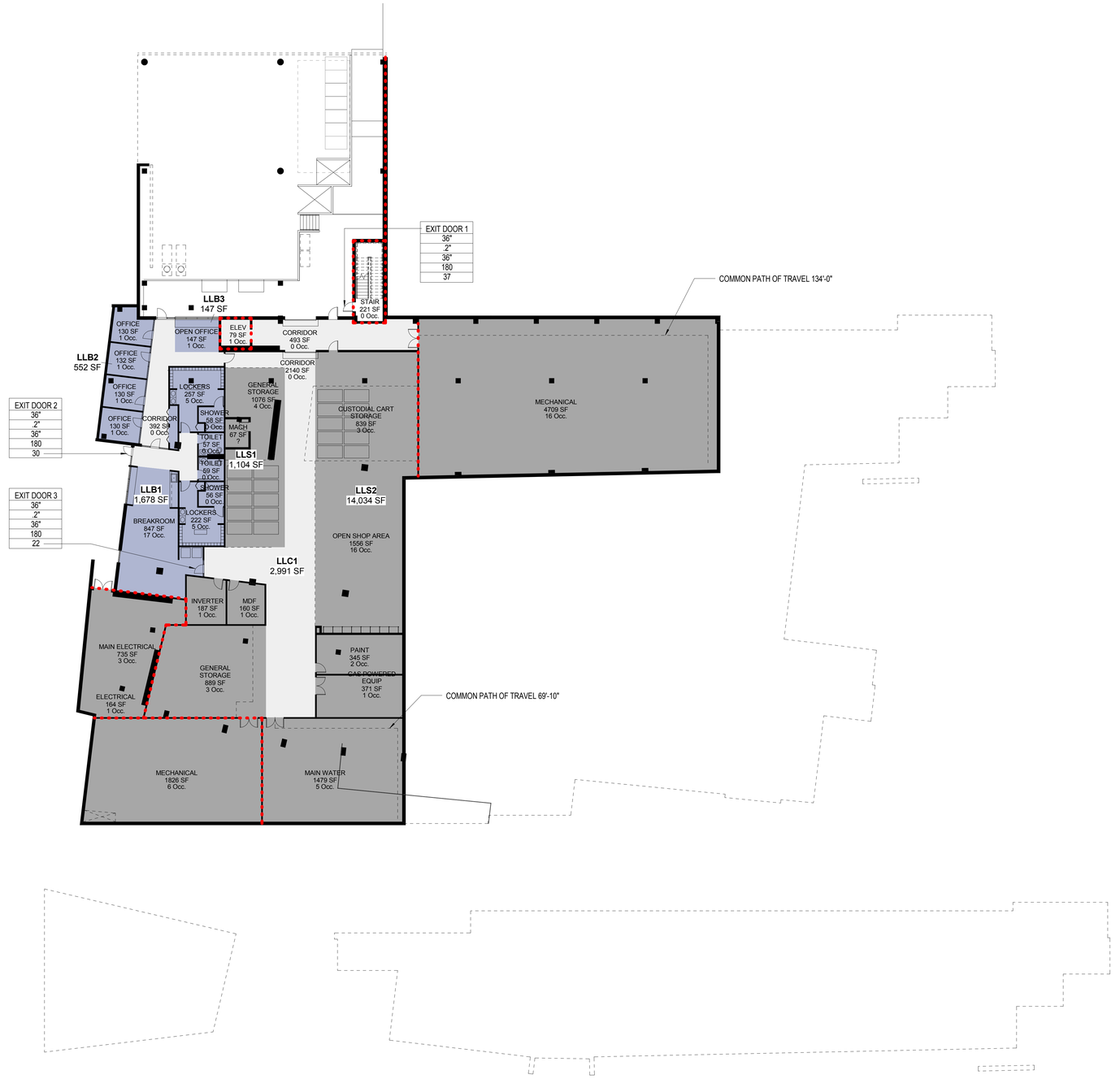
6. SUMMARY OF REQUIRED EXIT WIDTHS PER CBC SECTION 1005.1

LEVEL	OCC. TOTAL	CALCULATED MIN. CORRIDOR CAPACITY
LOWER LEVEL	90	90 X .2 = 18"
LEVEL 1	2403	2403 X .2 = 480.6"
LEVEL 1M	66	66 X .2 = 13.2"
LEVEL 2	524	524 X .2 = 104.8"
LEVEL 3	582	582 X .2 = 116.4"
LEVEL 4	522	522 X .2 = 104.4"
LEVEL 5	582	582 X .2 = 116.4"
LEVEL 6	522	522 X .2 = 104.4"

LEVEL	OCC. TOTAL	CALCULATED MIN. STAIR CAPACITY
LOWER LEVEL	90	N/A - EXITS TO EXTERIOR
LEVEL 1	2403	N/A - EXITS TO EXTERIOR
LEVEL 1M	66	66 X .3 = 19.8"
LEVEL 2	524	524 X .3 = 157.2"
LEVEL 3	582	582 X .3 = 174.6"
LEVEL 4	522	522 X .3 = 156.6"
LEVEL 5	582	582 X .3 = 174.6"
LEVEL 6	522	522 X .3 = 156.6"

OCCUPANT LOAD CALCULATIONS

AREA NUMBER	OCCUPANCY TYPE	Area	OCCUPANCY LOAD FACTOR	OCCUPANT LOAD
LOWER LEVEL				
LLB1	B	1,678 SF	100	17
LLB2	B	552 SF	100	6
LLB3	B	147 SF	100	2
LLC1	CIRCULATION	2,991 SF		
LLS2	S-2	14,034 SF	300	47
LLS1	S-2	1,104 SF	300	4
				76
				2 EXITS REQUIRED, 2 PROVIDED
LEVEL 1				
1A1	A-2	27,023 SF	15	1802
1B3	A-2	6,183 SF	100	62
1A3	A-3	2,474 SF	50	50
1A4	A-3	1,578 SF	50	32
1B1	B	5,967 SF	100	60
1B2	B	2,276 SF	100	23
1B3	B	2,515 SF	100	25
1B4	B	477 SF	100	5
1B5	B	707 SF	100	7
1B6	B	696 SF	100	7
1C1	CIRCULATION	143 SF	0	0
1C2	CIRCULATION	350 SF	0	0
1C3	CIRCULATION	1,182 SF	0	0
1M1	M	604 SF	15	40
1R1	R-2	354 SF	15	24
1R2	R-2	371 SF	15	25
1R3	R-2	107 SF	15	7
1R4	R-2	96 SF	15	7
1R5	R-2	488 SF	15	33
				2205
				4 EXITS REQUIRED, 4 PROVIDED
LEVEL 1M				
1MB1	B	2,293 SF	100	23
				23
				1 EXIT REQUIRED, 1 PROVIDED
LEVEL 2				
2NC1	CIRCULATION	2,506 SF	0	0
2MC1	CIRCULATION	2,507 SF	0	0
2SC1	CIRCULATION	2,523 SF	0	0
2NR1	R-2	5,840 SF	50	117
2NR2	R-2	3,268 SF	50	65
2MR1	R-2	5,133 SF	50	102
2MR2	R-2	3,254 SF	50	65
2SR1	R-2	5,144 SF	50	102
2SR2	R-2	3,244 SF	50	65
				516
				EXITS REQUIRED, 6 PROVIDED (2 PER TOWER)
LEVEL 3				
3NC1	CIRCULATION	2,490 SF	0	0
3MC1	CIRCULATION	2,472 SF	0	0
3SC1	CIRCULATION	2,512 SF	0	0
3NR1	R-2	5,105 SF	50	102
3NR2	R-2	2,632 SF	50	66
3MR1	R-2	5,133 SF	50	103
3MR2	R-2	2,639 SF	50	66
3SR2	R-2	2,639 SF	50	66
3SR1	R-2	5,105 SF	50	102
				505
				EXITS REQUIRED, 6 PROVIDED (2 PER TOWER)
LEVEL 4				
4NC1	CIRCULATION	2,519 SF	0	0
4MC1	CIRCULATION	2,507 SF	0	0
4SC1	CIRCULATION	2,500 SF	0	0
4NR1	R-2	5,087 SF	50	102
2NR2	R-2	3,268 SF	50	66
4MR1	R-2	5,133 SF	50	103
4MR2	R-2	3,244 SF	50	66
4SR1	R-2	5,142 SF	50	103
4SR2	R-2	3,264 SF	50	66
				506
				EXITS REQUIRED, 6 PROVIDED (2 PER TOWER)
LEVEL 5				
5SC1	CIRCULATION	2,480 SF	0	0
5MC1	CIRCULATION	2,472 SF	0	0
5NC1	CIRCULATION	2,506 SF	0	0
5SR2	R-2	2,634 SF	50	66
5SR1	R-2	5,136 SF	50	103
5MR1	R-2	5,133 SF	50	103
5MR2	R-2	2,644 SF	50	66
5NR1	R-2	5,087 SF	50	102
5NR2	R-2	2,630 SF	50	66
				505
				EXITS REQUIRED, 6 PROVIDED (2 PER TOWER)
LEVEL 6				
6NC1	CIRCULATION	2,506 SF	0	0
6MC1	CIRCULATION	2,507 SF	0	0
6SC1	CIRCULATION	2,522 SF	0	0
6NR1	R-2	5,102 SF	50	102
6NR2	R-2	3,268 SF	50	66
6MR1	R-2	5,133 SF	50	103
6MR2	R-2	3,244 SF	50	65
6SR1	R-2	5,133 SF	50	102
6SR2	R-2	3,244 SF	50	66
				504
				EXITS REQUIRED, 6 PROVIDED (2 PER TOWER)



1 LOWER LEVEL - CODE INFORMATION
1/16" = 1'-0"

CODE LEGEND

- A-2
- A-3
- B
- CIRCULATION
- M
- R-2
- S-2

- 1-HR RATED FIRE PARTITION (20 min door)
- 1-HR RATED FIRE BARRIER (45 min door)
- 2-HR RATED FIRE BARRIER (90 min door)

EXIT #
MIN REQUIRED WIDTH*
EGRESS WIDTH FACTOR
PROVIDED WIDTH
PROVIDED CAPACITY (OCCUPANTS)
REQUIRED CAPACITY (OCCUPANTS)

0' 4' 8' 16'

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PROJECT
MESA COURT EXPANSION

LOCATION
IRVINE, CA

PREPARED FOR
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University of California, Irvine
Design & Construction Services
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UCI PROJECT NO.
996296

KEYMAP

NO.	DATE	REVISION

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PROJECT MANAGER
BL
PROJECT ARCHITECT
TN
PROJECT TEAM MEMBERS
MD, AO, ZJ, CH, SG, EM, KP
CHECK
KB

ARCHITECT SEAL

TITLE
CODE INFORMATION PLAN LOWER LEVEL
PROJECT NO.
13292.00
DATE
MAY 30, 2014

SHEET NUMBER
G1.10
DESIGN DEVELOPMENT

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ORIGINAL SHEET SIZE 30" x 42"

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OCCUPANT LOAD CALCULATIONS-LEVEL 1					
LEVEL	AREA NUMB	OCCUPANCY TYPE	Area	OCCUPANCY LOAD FACTOR	OCCUPANT LOAD
LEVEL 1					
LEVEL 1	1A1	A-2	27,023 SF	15	1802
LEVEL 1	1B3	A-2	6,183 SF	100	62
LEVEL 1	1A3	A-3	2,474 SF	50	50
LEVEL 1	1A4	A-3	1,578 SF	50	32
LEVEL 1	1B1	B	5,967 SF	100	60
LEVEL 1	1B2	B	2,276 SF	100	23
LEVEL 1	1B3	B	2,515 SF	100	25
LEVEL 1	1B4	B	477 SF	100	5
LEVEL 1	1B5	B	707 SF	100	7
LEVEL 1	1B6	B	696 SF	100	7
LEVEL 1	1C1	CIRCULATION	143 SF	0	0
LEVEL 1	1C2	CIRCULATION	350 SF	0	0
LEVEL 1	1C3	CIRCULATION	1,182 SF	0	0
LEVEL 1	1M1	M	604 SF	15	40
LEVEL 1	1R1	R-2	354 SF	15	24
LEVEL 1	1R2	R-2	371 SF	15	25
LEVEL 1	1R3	R-2	107 SF	15	7
LEVEL 1	1R4	R-2	96 SF	15	7
LEVEL 1	1R5	R-2	488 SF	15	33
LEVEL 1					2209

OCCUPANT LOAD CALCULATIONS-LEVEL 1M					
LEVEL	AREA NUMB	OCCUPANCY TYPE	Area	OCCUPANCY LOAD FACTOR	OCCUPANT LOAD
LEVEL 1M					
LEVEL 1M	1MB1	B	2,293 SF	100	23
LEVEL 1M					23

CODE LEGEND

- A-2
- A-3
- B
- CIRCULATION
- M
- R-2
- S-2

- 1-HR RATED FIRE PARTITION (20 min door)
- 1-HR RATED FIRE BARRIER (45 min door)
- 2-HR RATED FIRE BARRIER (90 min door)

EXIT #
MIN REQUIRED WIDTH"
EGRESS WIDTH FACTOR
PROVIDED WIDTH
PROVIDED CAPACITY (OCCUPANTS)
REQUIRED CAPACITY (OCCUPANTS)



1 LEVEL 1 - CODE INFORMATION
1/16" = 1'-0"

2 LEVEL 1M - CODE INFORMATION
1/16" = 1'-0"

GENERAL NOTES:

1. DINING OOCUPANCY CALCULATIONS:
   SEATING 60% @ 15 SF = 1,031 occ.
   CIRCULATION 30% @ 100 SF = 78 occ.
   QUEUING 10% @ 7 SF = 368 occ.

   TOTAL 1,477 occ.

0' 4' 8' 16'

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PROJECT
MESA COURT EXPANSION

LOCATION
IRVINE, CA

PREPARED FOR
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Design & Construction Services
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UCI PROJECT NO.
996296

KEYMAP

NO.	DATE	REVISION

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ARCHITECT SEAL

TITLE
CODE INFORMATION PLAN - LEVEL 1
PROJECT NO.
13292.00
DATE
MAY 30, 2014

SHEET NUMBER
G1.11
DESIGN DEVELOPMENT

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ORIGINAL SHEET SIZE 36" x 42"

OCCUPANT LOAD CALCULATIONS-LEVEL 2					
LEVEL	AREA NUMB	OCCUPANCY TYPE	Area	OCCUPANCY LOAD FACTOR	OCCUPANT LOAD
LEVEL 2					
LEVEL 2	2NC1	CIRCULATION	2,506 SF	0	0
LEVEL 2	2MC1	CIRCULATION	2,507 SF	0	0
LEVEL 2	2SC1	CIRCULATION	2,523 SF	0	0
LEVEL 2	2NR1	R-2	5,840 SF	50	117
LEVEL 2	2NR2	R-2	3,268 SF	50	65
LEVEL 2	2MR1	R-2	5,133 SF	50	102
LEVEL 2	2MR2	R-2	3,254 SF	50	65
LEVEL 2	2SR1	R-2	5,144 SF	50	102
LEVEL 2	2SR2	R-2	3,244 SF	50	65
LEVEL 2					516

CODE LEGEND

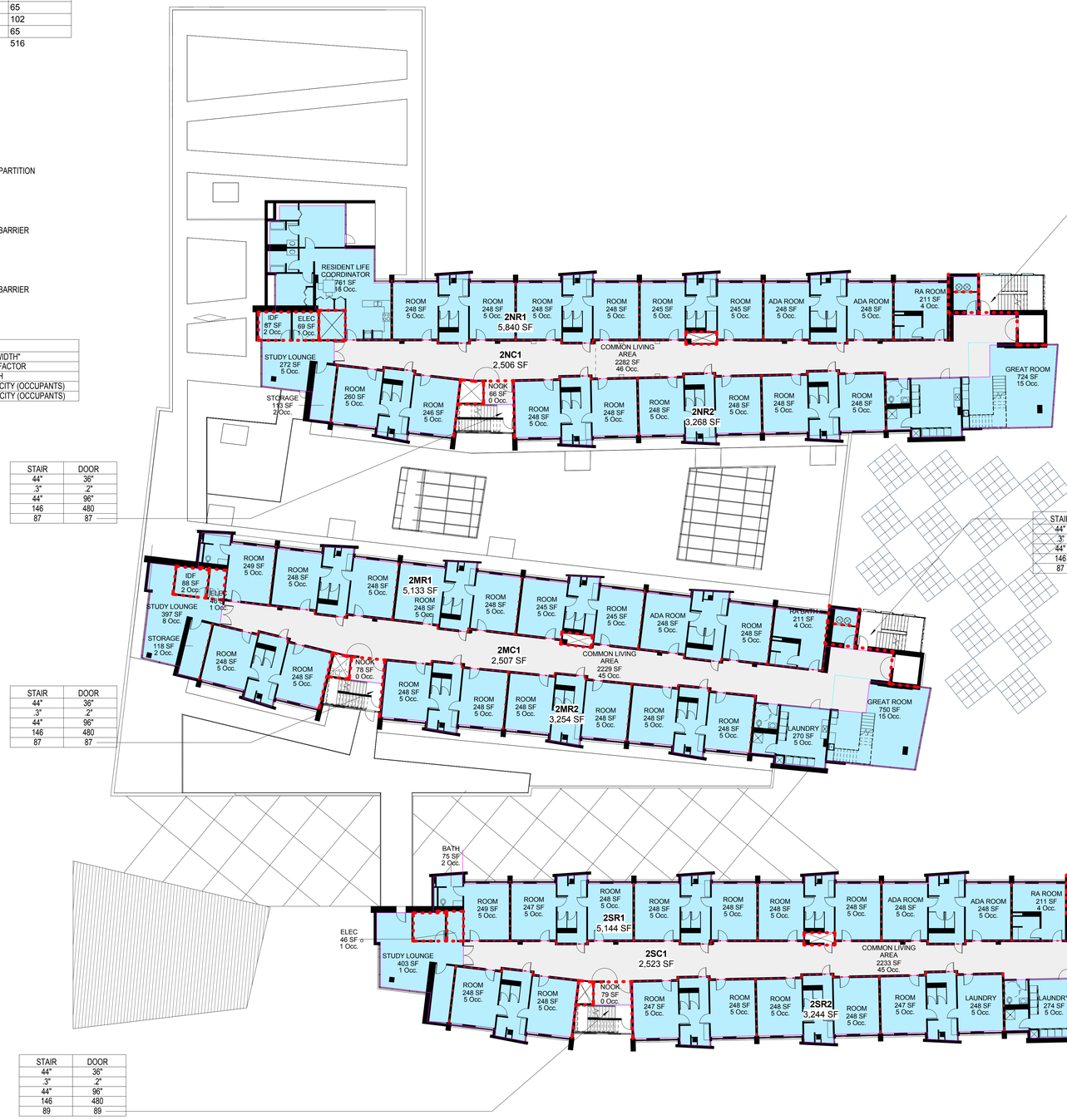
- A-2
- A-3
- B
- CIRCULATION
- M
- R-2
- S-2

1-HR RATED FIRE PARTITION (20 min door)

1-HR RATED FIRE BARRIER (45 min door)

2-HR RATED FIRE BARRIER (90 min door)

EXIT #
MIN REQUIRED WIDTH"
EGRESS WIDTH FACTOR
PROVIDED WIDTH
PROVIDED CAPACITY (OCCUPANTS)
REQUIRED CAPACITY (OCCUPANTS)



STAIR	DOOR
44"	36"
.3"	.2"
44"	44"
146	180
87	87

STAIR	DOOR
44"	36"
.3"	.2"
44"	96"
146	480
87	87

STAIR	DOOR
44"	36"
.3"	.2"
44"	44"
146	180
87	87

STAIR	DOOR
44"	36"
.3"	.2"
44"	96"
146	480
87	87

STAIR	DOOR
44"	36"
.3"	.2"
44"	44"
146	180
90	90

STAIR	DOOR
44"	36"
.3"	.2"
44"	96"
146	480
89	89

1 LEVEL 2 - CODE INFORMATION
1/16" = 1'-0"

0' 4' 8' 16'

ORIGINAL SHEET SIZE 36" x 42"

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OCCUPANT LOAD CALCULATIONS-LEVEL 3					
LEVEL	AREA NUMB	OCCUPANCY TYPE	Area	OCCUPANCY LOAD FACTOR	OCCUPANT LOAD
LEVEL 3					
LEVEL 3	3NC1	CIRCULATION	2,490 SF	0	0
LEVEL 3	3MC1	CIRCULATION	2,472 SF	0	0
LEVEL 3	3SC1	CIRCULATION	2,512 SF	0	0
LEVEL 3	3NR1	R-2	5,105 SF	50	102
LEVEL 3	3NR2	R-2	2,632 SF	50	66
LEVEL 3	3MR1	R-2	5,133 SF	50	103
LEVEL 3	3MR2	R-2	2,639 SF	50	66
LEVEL 3	3SR2	R-2	2,639 SF	50	66
LEVEL 3	3SR1	R-2	5,105 SF	50	102
LEVEL 3					505

CODE LEGEND

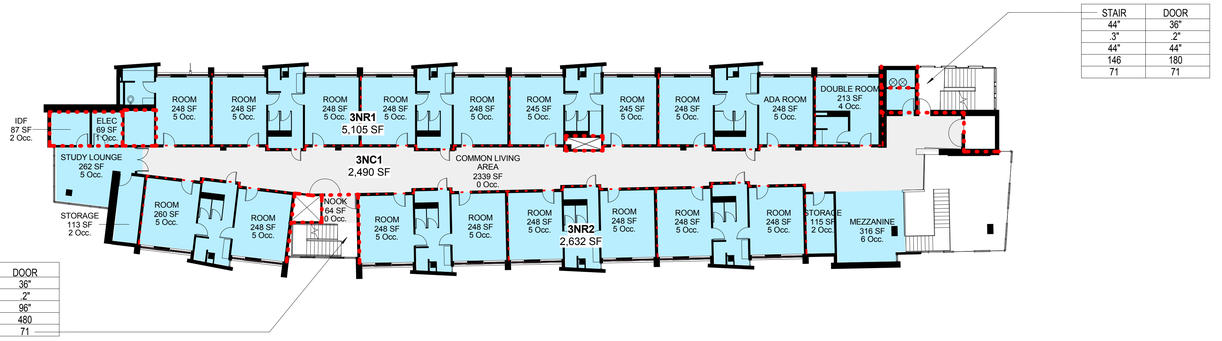
- A-2
- A-3
- B
- CIRCULATION
- M
- R-2
- S-2

1-HR RATED FIRE PARTITION (20 min door)

1-HR RATED FIRE BARRIER (45 min door)

2-HR RATED FIRE BARRIER (90 min door)

EXIT #
MIN REQUIRED WIDTH"
EGRESS WIDTH FACTOR
PROVIDED WIDTH
PROVIDED CAPACITY (OCCUPANTS)
REQUIRED CAPACITY (OCCUPANTS)







1 LEVEL 3 - CODE INFORMATION
1/16" = 1'-0"

0' 4' 8' 16'

NOT FOR CONSTRUCTION

ORIGINAL SHEET SIZE: 36" x 42"

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KEYMAP

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TITLE
CODE INFORMATION PLAN - LEVEL 3

PROJECT NO.
13292.00

DATE
MAY 30, 2014

SHEET NUMBER
G1.13

DESIGN DEVELOPMENT

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OCCUPANT LOAD CALCULATIONS-LEVEL 4					
wt	AREA NUMB	OCCUPANCY TYPE	Area	OCCUPANCY LOAD FACTOR	OCCUPANT LOAD
LEVEL 4					
LEVEL 4	4NC1	CIRCULATION	2,519 SF	0	0
LEVEL 4	4MC1	CIRCULATION	2,507 SF	0	0
LEVEL 4	4SC1	CIRCULATION	2,500 SF	0	0
LEVEL 4	4NR1	R-2	5,087 SF	50	102
LEVEL 4	2NR2	R-2	3,268 SF	50	66
LEVEL 4	4MR1	R-2	5,133 SF	50	103
LEVEL 4	4MR2	R-2	3,244 SF	50	66
LEVEL 4	4SR1	R-2	5,142 SF	50	103
LEVEL 4	4SR2	R-2	3,264 SF	50	66
LEVEL 4					506

CODE LEGEND

- A-2
- A-3
- B
- CIRCULATION
- M
- R-2
- S-2

1-HR RATED FIRE PARTITION (20 min door)

1-HR RATED FIRE BARRIER (45 min door)

2-HR RATED FIRE BARRIER (90 min door)

EXIT #
MIN REQUIRED WIDTH"
EGRESS WIDTH FACTOR
PROVIDED WIDTH
PROVIDED CAPACITY (OCCUPANTS)
REQUIRED CAPACITY (OCCUPANTS)







1 LEVEL 4 - CODE INFORMATION
1/16" = 1'-0"

0' 4' 8' 16'

NOT FOR CONSTRUCTION

ORIGINAL SHEET SIZE: 36" x 42"

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OCCUPANT LOAD CALCULATIONS-LEVEL 5					
LEVEL	AREA NUMB	OCCUPANCY TYPE	Area	OCCUPANCY LOAD FACTOR	OCCUPANT LOAD
LEVEL 5					
LEVEL 5	5SC1	CIRCULATION	2,480 SF	0	0
LEVEL 5	5MC1	CIRCULATION	2,472 SF	0	0
LEVEL 5	5NC1	CIRCULATION	2,506 SF	0	0
LEVEL 5	5SR2	R-2	2,634 SF	50	66
LEVEL 5	5SR1	R-2	5,136 SF	50	103
LEVEL 5	5MR1	R-2	5,133 SF	50	103
LEVEL 5	5MR2	R-2	2,644 SF	50	66
LEVEL 5	5NR1	R-2	5,087 SF	50	102
LEVEL 5	5NR2	R-2	2,630 SF	50	66
LEVEL 5					506

CODE LEGEND

- A-2
- A-3
- B
- CIRCULATION
- M
- R-2
- S-2

1-HR RATED FIRE PARTITION (20 min door)

1-HR RATED FIRE BARRIER (45 min door)

2-HR RATED FIRE BARRIER (90 min door)

EXIT #
MIN REQUIRED WIDITH
EGRESS WIDTH FACTOR
PROVIDED WIDTH
PROVIDED CAPACITY (OCCUPANTS)
REQUIRED CAPACITY (OCCUPANTS)







1 LEVEL 5 - CODE INFORMATION
1/16" = 1'-0"

0' 4' 8' 16'

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UCI PROJECT NO.
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KEYMAP

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TITLE
CODE INFORMATION PLAN - LEVEL 5

PROJECT NO.
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OCCUPANT LOAD CALCULATIONS-LEVEL 6					
LEVEL	AREA NUMB	OCCUPANCY TYPE	Area	OCCUPANCY LOAD FACTOR	OCCUPANT LOAD
LEVEL 6					
LEVEL 6	6NC1	CIRCULATION	2,506 SF	0	0
LEVEL 6	6MC1	CIRCULATION	2,507 SF	0	0
LEVEL 6	6SC1	CIRCULATION	2,522 SF	0	0
LEVEL 6	6NR1	R-2	5,102 SF	50	102
LEVEL 6	6NR2	R-2	3,268 SF	50	66
LEVEL 6	6MR1	R-2	5,133 SF	50	103
LEVEL 6	6MR2	R-2	3,244 SF	50	65
LEVEL 6	6SR1	R-2	5,133 SF	50	102
LEVEL 6	6SR2	R-2	3,244 SF	50	66
LEVEL 6					504

CODE LEGEND

- A-2
- A-3
- B
- CIRCULATION
- M
- R-2
- S-2

1-HR RATED FIRE PARTITION
(20 min door)

1-HR RATED FIRE BARRIER
(45 min door)

2-HR RATED FIRE BARRIER
(90 min door)

EXIT #
MIN REQUIRED WIDTH
EGRESS WIDTH FACTOR
PROVIDED WIDTH
PROVIDED CAPACITY (OCCUPANTS)
REQUIRED CAPACITY (OCCUPANTS)



1 LEVEL 6 - CODE INFORMATION
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0' 4' 8' 16'

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KEYMAP

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PROJECT NO.
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MAY 30, 2014

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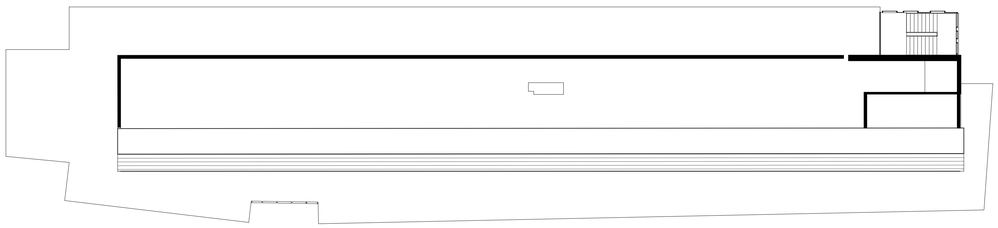
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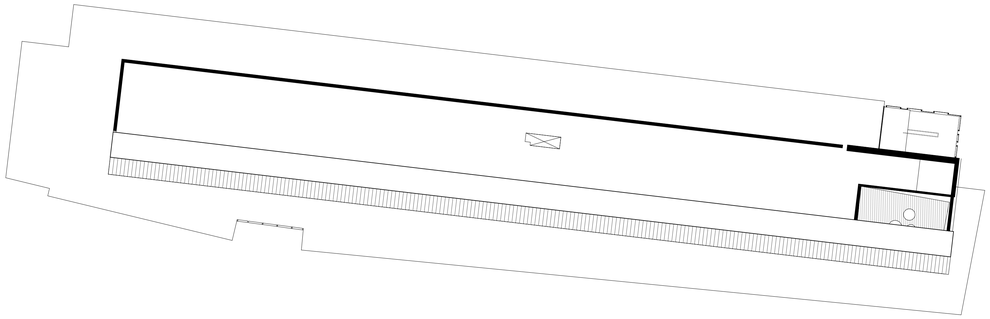
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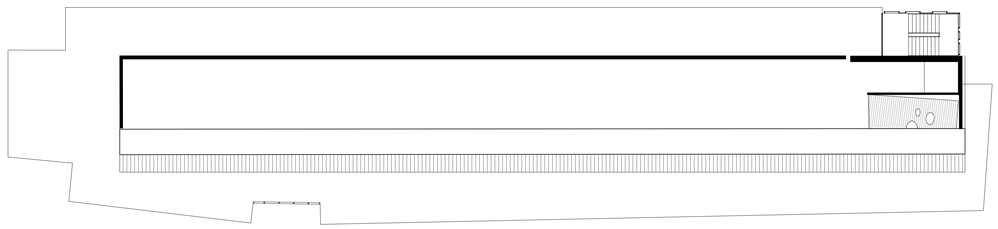
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1 ROOF LEVEL - CODE INFORMATION
1/16" = 1'-0"

0' 4' 8' 16'

NOT FOR CONSTRUCTION

ORIGINAL SHEET SIZE 30" x 42"

MITHUN

SEATTLE / Pier 56, 1201 Alaskan Way, #200
Seattle, WA 98101 / 206.623.3344

SAN FRANCISCO / 660 Market Street, #300
San Francisco, CA 94104 / 415.956.0688

ARCHITECT, LANDSCAPE ARCHITECT, INTERIOR DESIGNERS
MITHUN, INC.
Pier 56, 1201 Alaskan Way, #200
Seattle, WA 98101
(206) . 623 . 3344

STRUCTURAL ENGINEER
DCI ENGINEERS
101 W Broadway, #1380
San Diego, CA 92101
(619) . 234 . 0501

CIVIL ENGINEER
KHR ENGINEERS
4100 Newport Place Drive, #200
Newport Beach, CA 92660
(949) . 756 . 6440

MECHANICAL / PLUMBING ENGINEER
HARTFORD ENGINEERING
11440 West Bernardo Court, #202
San Diego, CA 92127
(858) . 337 . 7112

ELECTRICAL ENGINEER
MICHAEL WALL ENGINEERING
18600 Fairchild Road, #200
Irvine, CA 92612
(949) . 864 . 1800

DESIGN BUILDER
HENSEL PHELPS
18850 Von Karman Ave, #100
Irvine, CA 92612
(949) . 852 . 0111

HENSEL PHELPS
Plan. Build. Manage.

PROJECT
MESA COURT
EXPANSION

LOCATION
IRVINE, CA

PREPARED FOR

UCI
University of California, Irvine

Design & Construction
Services
5201 California Ave Suite 250
Irvine, CA 92697

UCI PROJECT NO.
996296

KEYMAP

NO.	DATE	REVISION

PROJECT DIRECTOR
BL
PROJECT MANAGER
BL
PROJECT ARCHITECT
TN
PROJECT TEAM MEMBERS
MD, AO, ZJ, CH, SG, EM, KP
CHECK
KB

ARCHITECT SEAL

TITLE
CODE INFORMATION - ROOF LEVEL
PROJECT NO.
13292.00
DATE
MAY 30, 2014

SHEET NUMBER
G1.17
DESIGN DEVELOPMENT
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PROJECT
MESA COURT
EXPANSION
LOCATION
IRVINE, CA

PREPARED FOR
UNIVERSITY OF
CALIFORNIA - IRVINE

OWNER

KEYMAP

NO.	DATE	REVISION

PROJECT DIRECTOR

PROJECT MANAGER
PA
PROJECT ARCHITECT

PROJECT TEAM MEMBERS
PA, CM
CHECK

ARCHITECT SEAL

0 10 20 40 60
SCALE: 1"=20'

TITLE
EXISTING TOPOGRAPHY

PROJECT NO.
996296
DATE
05-30-14

SHEET NUMBER
C-101
PROJECT STATUS
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ORIGINAL SHEET SIZE 30" x 42"

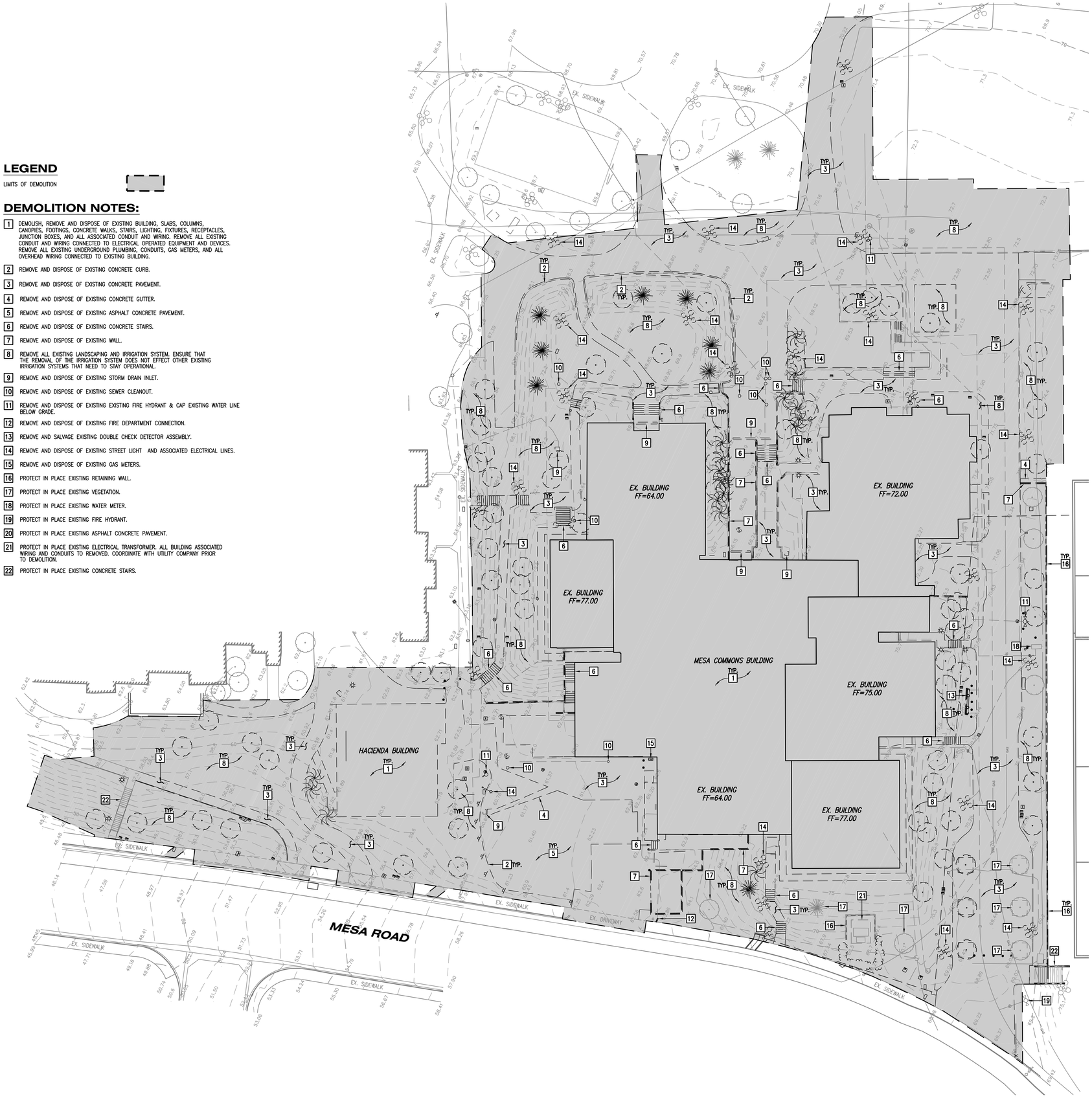
NOT FOR CONSTRUCTION

LEGEND

LIMITS OF DEMOLITION

DEMOLITION NOTES:

1. DEMOLISH, REMOVE AND DISPOSE OF EXISTING BUILDING, SLABS, COLUMNS, CANOPIES, FOOTINGS, CONCRETE WALKS, STAIRS, LIGHTING, FIXTURES, RECEPTACLES, JUNCTION BOXES, AND ALL ASSOCIATED CONDUIT AND WIRING. REMOVE ALL EXISTING CONDUIT AND WIRING CONNECTED TO ELECTRICAL OPERATED EQUIPMENT AND DEVICES. REMOVE ALL EXISTING UNDERGROUND PLUMBING, CONDUITS, GAS METERS, AND ALL OVERHEAD WIRING CONNECTED TO EXISTING BUILDING.
2. REMOVE AND DISPOSE OF EXISTING CONCRETE CURB.
3. REMOVE AND DISPOSE OF EXISTING CONCRETE PAVEMENT.
4. REMOVE AND DISPOSE OF EXISTING CONCRETE GUTTER.
5. REMOVE AND DISPOSE OF EXISTING ASPHALT CONCRETE PAVEMENT.
6. REMOVE AND DISPOSE OF EXISTING CONCRETE STAIRS.
7. REMOVE AND DISPOSE OF EXISTING WALL.
8. REMOVE ALL EXISTING LANDSCAPING AND IRRIGATION SYSTEM. ENSURE THAT THE REMOVAL OF THE IRRIGATION SYSTEM DOES NOT EFFECT OTHER EXISTING IRRIGATION SYSTEMS THAT NEED TO STAY OPERATIONAL.
9. REMOVE AND DISPOSE OF EXISTING STORM DRAIN INLET.
10. REMOVE AND DISPOSE OF EXISTING SEWER CLEANOUT.
11. REMOVE AND DISPOSE OF EXISTING EXISTING FIRE HYDRANT & CAP EXISTING WATER LINE BELOW GRADE.
12. REMOVE AND DISPOSE OF EXISTING FIRE DEPARTMENT CONNECTION.
13. REMOVE AND SALVAGE EXISTING DOUBLE CHECK DETECTOR ASSEMBLY.
14. REMOVE AND DISPOSE OF EXISTING STREET LIGHT AND ASSOCIATED ELECTRICAL LINES.
15. REMOVE AND DISPOSE OF EXISTING GAS METERS.
16. PROTECT IN PLACE EXISTING RETAINING WALL.
17. PROTECT IN PLACE EXISTING VEGETATION.
18. PROTECT IN PLACE EXISTING WATER METER.
19. PROTECT IN PLACE EXISTING FIRE HYDRANT.
20. PROTECT IN PLACE EXISTING ASPHALT CONCRETE PAVEMENT.
21. PROTECT IN PLACE EXISTING ELECTRICAL TRANSFORMER. ALL BUILDING ASSOCIATED WIRING AND CONDUITS TO REMOVED. COORDINATE WITH UTILITY COMPANY PRIOR TO DEMOLITION.
22. PROTECT IN PLACE EXISTING CONCRETE STAIRS.



0 10 20 40 60
SCALE: 1"=20'

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Seattle, WA 98101 / 206.623.3344

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PROJECT
MESA COURT EXPANSION
LOCATION
IRVINE, CA

PREPARED FOR
UNIVERSITY OF CALIFORNIA - IRVINE

OWNER

KEYMAP

NO.	DATE	REVISION

PROJECT DIRECTOR

PROJECT MANAGER
PA
PROJECT ARCHITECT

PROJECT TEAM MEMBERS
PA, CM
CHECK

ARCHITECT SEAL

TITLE
SITE DEMOLITION PLAN

PROJECT NO.
996296
DATE
05-30-14

SHEET NUMBER
C-102
PROJECT STATUS
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LEGEND

LIMITS OF DEMOLITION

DEMOLITION NOTES:

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2. REMOVE AND DISPOSE OF EXISTING SEWER PIPING. CUT AND CAP WHERE INDICATED ON THESE PLANS.
3. REMOVE AND DISPOSE OF EXISTING DOMESTIC AND FIRE SERVICE PIPING. CUT AND CAP WHERE INDICATED ON THESE PLANS.
4. REMOVE AND DISPOSE OF EXISTING ELECTRICAL LINES AND CONDUITS.
5. REMOVE AND DISPOSE EXISTING COMMUNICATION LINES AND CONDUITS.
6. REMOVE AND DISPOSE OF EXISTING GAS LINES AND CONDUITS.
7. REMOVE AND DISPOSE OF EXISTING IRRIGATION LINES.

0 10 20 40 60

SCALE: 1"=20'

ORIGINAL SHEET SIZE: 30" x 42"

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PROJECT
MESA COURT EXPANSION
LOCATION
IRVINE, CA

PREPARED FOR
UNIVERSITY OF CALIFORNIA - IRVINE

OWNER

KEYMAP

NO.	DATE	REVISION

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PROJECT MANAGER
PA
PROJECT ARCHITECT

PROJECT TEAM MEMBERS
PA, CM
CHECK

ARCHITECT SEAL

TITLE
UTILITY DEMOLITION PLAN

PROJECT NO.
996296
DATE
05-30-14

SHEET NUMBER
C-103
PROJECT STATUS

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PROJECT
MESA COURT
EXPANSION
LOCATION
IRVINE, CA

PREPARED FOR
UNIVERSITY OF
CALIFORNIA - IRVINE

OWNER

KEYMAP

NO.	DATE	REVISION

PROJECT DIRECTOR

PROJECT MANAGER
PA
PROJECT ARCHITECT

PROJECT TEAM MEMBERS
PA, CM
CHECK

ARCHITECT SEAL

TITLE
EXCAVATION PLAN

PROJECT NO.
996296
DATE
05-30-14

SHEET NUMBER
C-105
PROJECT STATUS

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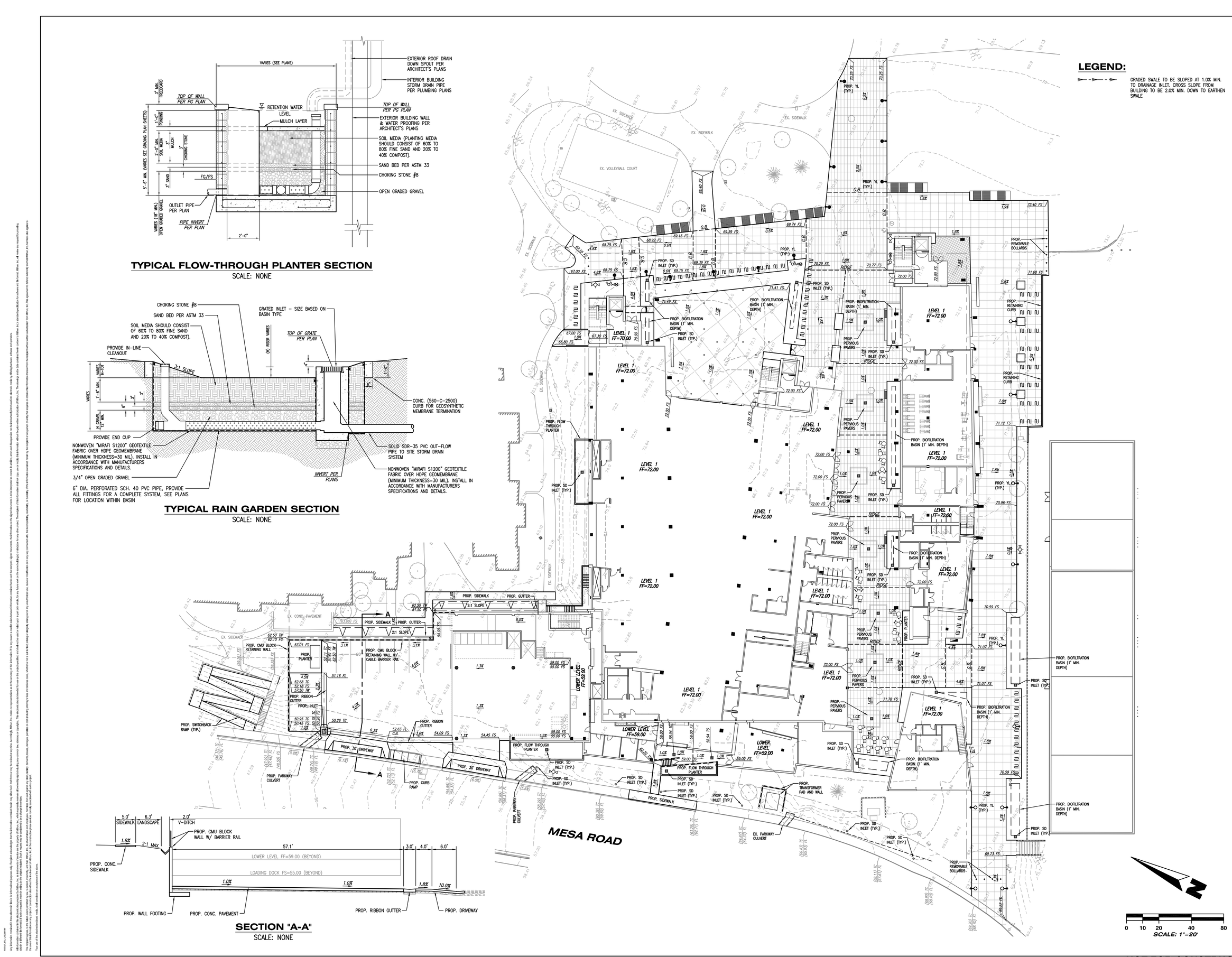
ORIGINAL SHEET SIZE 30" x 42"

TYPICAL FLOW-THROUGH PLANTER SECTION

SCALE: NONE

TYPICAL RAIN GARDEN SECTION

SCALE: NONE



SECTION "A-A"

SCALE: NONE

NOT FOR CONSTRUCTION

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San Francisco, CA 94104 / 415.956.0888

PROJECT
MESA COURT EXPANSION
LOCATION
IRVINE, CA

PREPARED FOR
UNIVERSITY OF CALIFORNIA - IRVINE

OWNER

KEYMAP

NO.	DATE	REVISION

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PROJECT MANAGER
PA
PROJECT ARCHITECT

PROJECT TEAM MEMBERS
PA, CM
CHECK

ARCHITECT SEAL

TITLE
PRECISE GRADING PLAN

PROJECT NO.
996296
DATE
05-19-14

SHEET NUMBER
C-201
PROJECT STATUS

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kevin_m_carpenter

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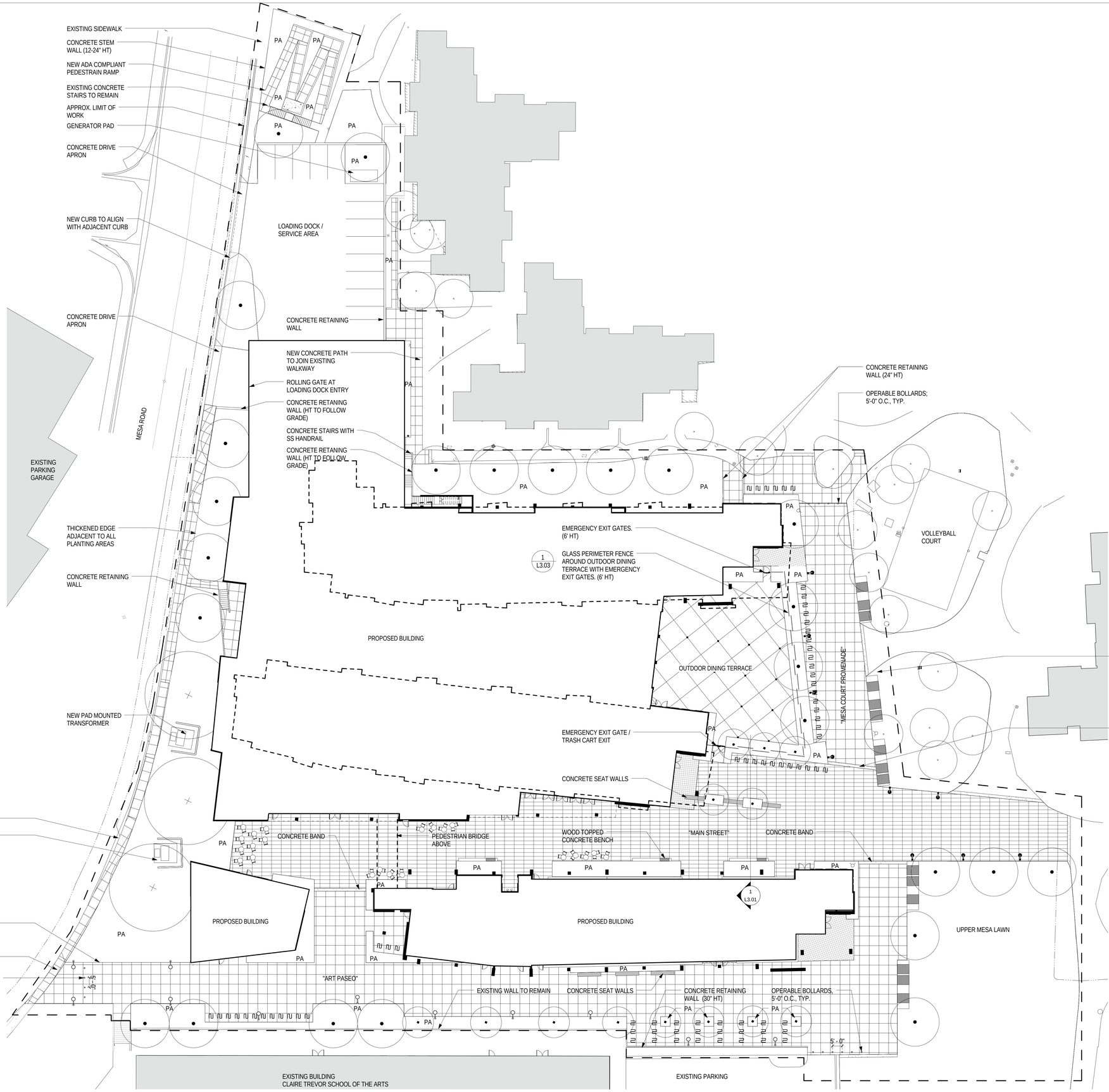
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Your use of the attached/enclosed media, shall constitute an acceptance of the above.

PROP. WV
70.50 RIM
56.41 INV
PROP. 8" S S=0.0300
CONNECT TO EX. 8" WATER LINE
EX. 6" W
EX. GAS
PROP. 8" W
EX. WV
EX. MH
EX. 8" W
EX. COMM.
EX. ELEC.
PROP. FH
PROP. PIV
PROP. CHECK VALVE
PROP. FDC
PROP. 8" FS W POC.
PROP. 8" FS W LAT.
PROP. 6" S LAT.
67.50 INV
S=0.3734
59.93 INV 6"
59.85 INV 8"
61.33 INV 8"
±71.00 RIM
PROP. SMH
61.53 INV 8"
67.50 INV
S=0.3516
61.82 INV 6"
61.74 INV 8"
67.50 INV
S=0.3208
61.86 INV 6"
61.78 INV 8"
PROP. 8" S S=0.0300
PROP. 8" S S=0.0150
PROP. 8" S S=0.0050
(66.86) RIM
56.96 INV
CONNECT TO EX. SEWER MANHOLE
57.24 INV 6"
57.16 INV 8"
67.50 INV
S=0.6065
57.50 INV 6"
57.42 INV 8"
67.50 INV
S=0.6890
57.89 INV 6"
57.81 INV 8"
67.50 INV
S=0.6879
64.40 RIM
57.89 INV
PROP. MH
PROP. S POC
67.50 INV
S=0.5127
63.23 INV 6"
63.15 INV 8"
63.42 INV 6"
63.34 INV 8"
PROP. 6" DOM. W POC
PROP. 4" GAS POC
64.21 INV 6"
64.13 INV 8"
67.50 INV
S=0.1904
64.36 INV 4"
64.19 INV 8"
±71.00 RIM
64.26 INV
PROP. 4" S LAT.
67.50 INV
S=0.2134
67.50 INV
S=0.1400
PROP. 6" DOM W
PROP. 4" GAS
PROP. BFD
PROP. WV
CONNECT TO EX. 8" WATER MAIN
CONNECT PROP. 4" GAS LAT. TO EX. 4" GAS MAIN
LEVEL 1
FF=70.00
LEVEL 1
FF=72.00
LOWER LEVEL
FF=59.00
PROP. 6" IRRIG. POC. TIE INTO EX. 10" RECLAIMED W SYSTEM
PROP. DIESEL GENERATOR
PROP. ELEC.
PROP. ELEC. POC
PROP. ELEC. TRANSFORMER
PROP. COMM. POC
PROP. ELEC. POC
PROP. 30' DRIVEWAY
PROP. SIDEWALK
EX. SIDEWALK
EX. SIDEWALK
EX. SIDEWALK
EX. SIDEWALK
EX. 10" RW
EX. GAS
PROP. 6" FS
MESA ROAD
CONNECT TO EX. COMM. MANHOLE
CONNECT TO EX. ELEC. MANHOLE
EX. COMM.
EX. ELEC.
CONNECT TO EX. 8" MAIN
EX. FH
EX. 4" W
EX. 6" W
EX. WM
EX. SIDEWALK
EX. SIDEWALK
EX. SIDEWALK
EX. SIDEWALK



16 SITE PLAN
1" = 20'-0"

MATERIALS LEGEND

- EXISTING TREES TO REMAIN IN PLACE
- PROPOSED TREES
- EXISTING BUILDINGS
- PROPOSED BUILDINGS
- 5' X 5' SCORED SAWCUT CONCRETE - COLOR: NATURAL GREY. FINISH: TBD.
- 15' X 15' SCORED SAWCUT CONCRETE - COLOR AND FINISH: TBD.
- 2' X 5' SCORED CONCRETE - COLOR: NATURAL GREY, FINISH: TBD.
- UNIT PAVERS - COORDINATED WITH INTERIOR LOBBY PAVING - SIZE, COLOR AND FINISH: TBD.
- PA — PLANTING AREA
- PEDESTRIAN LIGHTING. SPECIAL FIXTURE - 18' POLE HT.
- PEDESTRIAN LIGHTING. UCI STANDARD FIXTURE - 18' POLE HT.
- BOLLARDS - FIXED AND OPERABLE. SEE PLAN FOR DETAILS AND LOCATIONS.
- BIKE RACKS (ACCOMODATES 250 BICYCLES). LANDSCAPE FORMS, FLO BICYCLE RACK.
- FIRE HYDRANT
- TABLES AND CHAIRS - NIC - SUPPLIED BY UCI

GENERAL NOTES

1. MATCH AND REPAIR ALL PAVEMENT DISTURBED DUE TO CONSTRUCTION.
2. LAWN AREAS DAMAGED DUE TO CONSTRUCTION TO BE REPAIRED.
3. CRITICAL ROOT ZONE OF TREES TO BE PRESERVED TO BE CALCULATED PRIOR TO CONSTRUCTION.
4. SECTION 503.1.1 OF THE 2013 CDC REQUIRES THAT FIRE ACCESS ROADS BE PROVIDED WITHIN 150' OF ALL PORTIONS OF THE EXTERIOR WALLS OF THE BUILDING. NOTE: THERE IS A GAP IN COVERAGE ALONG THE NORTHWEST SIDE ADJACENT TO THE LOADING DOCK WHICH IS PERMITTED BASED ON SECTION 503.1.1, EXCEPTION 1.
5. ALL CONCRETE WALKWAYS TO BE VEHICULAR AND FIRE TRUCK RATED.

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PROJECT NO.
1329200.000
DATE
MAY 30, 2014

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11 PODIUM LEVEL MATERIALS PLAN

1" = 20'-0"

MATERIALS LEGEND

- PROPOSED TREES
- EXISTING BUILDINGS'
- PROPOSED BUILDINGS
- PEDESTAL PAVER SYSTEM ON PODIUM ROOF. 18"X18" CONCRETE PAVERS - COLOR AND FINISH: TBD.
- DECOMPOSED GRANITE TOP DRESS AT BUILDING EDGE - SIZE AND COLOR: TBD.
- PA — PLANTING AREA
- CATENARY LIGHTING OVER MAIN STREET
- CATENARY LIGHTS OVER DINING TERRACE

GENERAL NOTES

1. MATCH AND REPAIR ALL PAVEMENT DISTURBED DUE TO CONSTRUCTION.
2. LAWN AREAS DAMAGED DUE TO CONSTRUCTION TO BE REPAIRED.
3. SOIL DEPTHS VARY DEPENDING ON PLANT TYPE AND LOCATION.
4. CRITICAL ROOT ZONE OF TREES TO BE PRESERVED TO BE CALCULATED PRIOR TO CONSTRUCTION.
5. SECTION 503.1.1 OF THE 2013 CDC REQUIRES THAT FIRE ACCESS ROADS BE PROVIDED WITHIN 150' OF ALL PORTIONS OF THE EXTERIOR WALLS OF THE BUILDING. NOTE: THERE IS A GAP IN COVERAGE ALONG THE NORTHWEST SIDE ADJACENT TO THE LOADING DOCK WHICH IS PERMITTED BASED ON SECTION 503.1.1, EXCEPTION 1.

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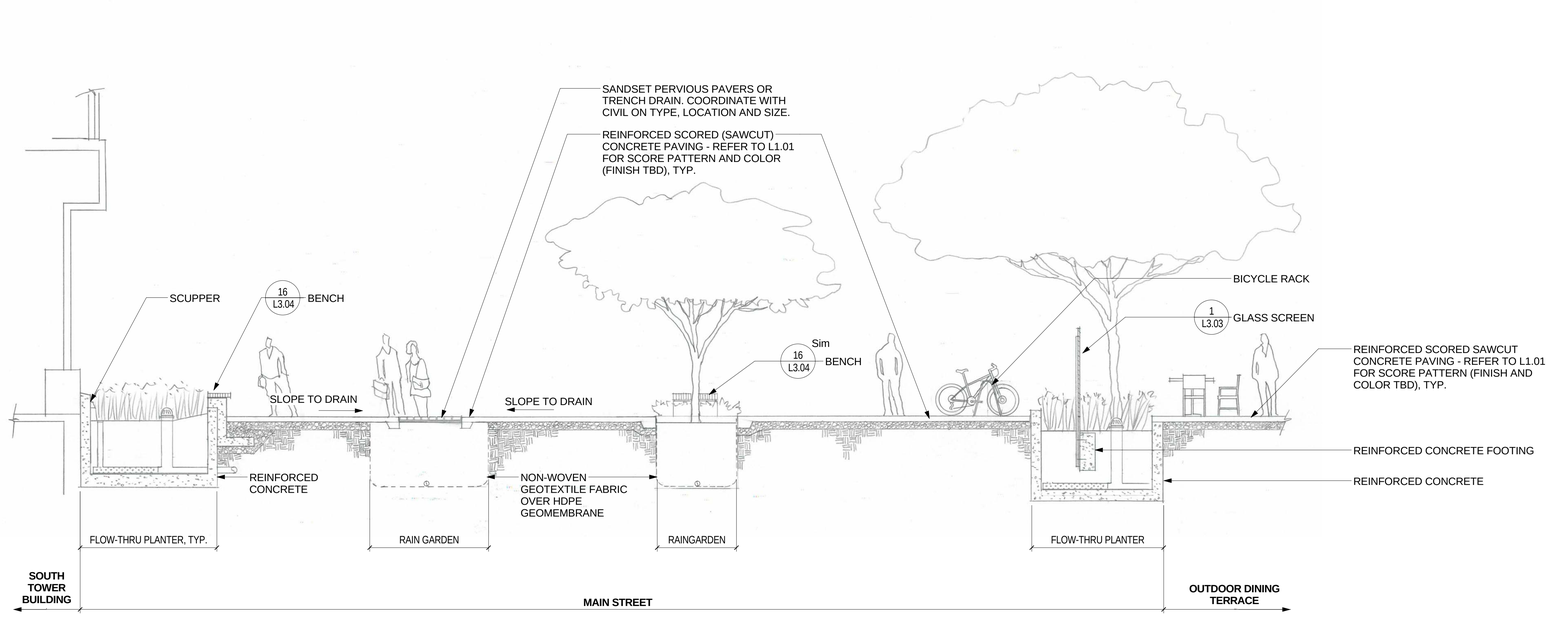
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1 SECTION - MAIN STREET - LOOKING WEST

1/4" = 1'-0"

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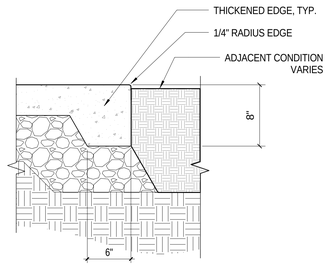
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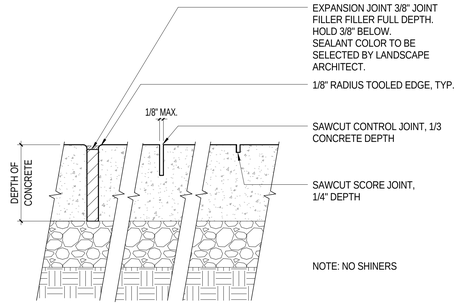
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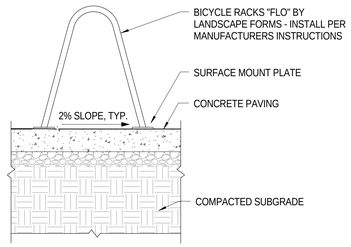
1 CONCRETE THICKENED EDGE

1 1/2" = 1'-0"



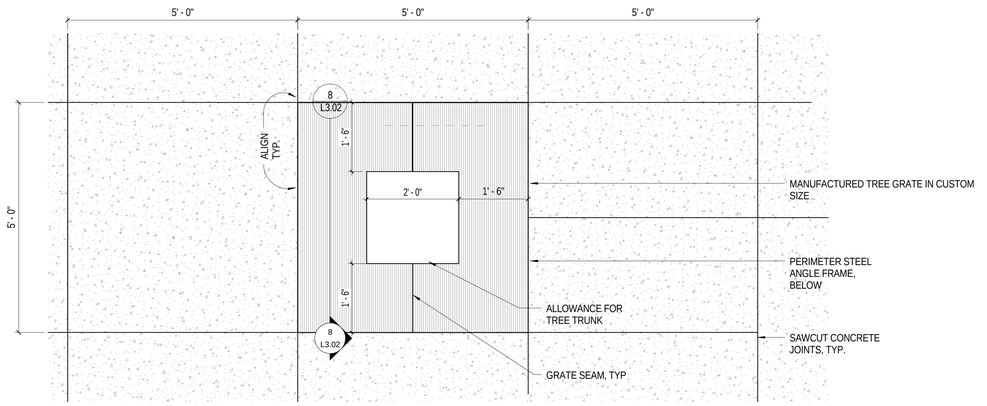
2 CONCRETE JOINTS

6" = 1'-0"



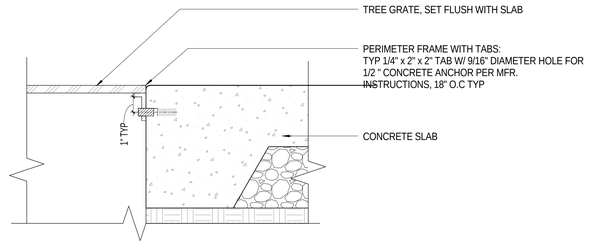
3 BIKE RACK1

3/4" = 1'-0"



6 TREE GRATE, TYP

3/4" = 1'-0"



8 TREE GRATE FRAME, TYP

3" = 1'-0"

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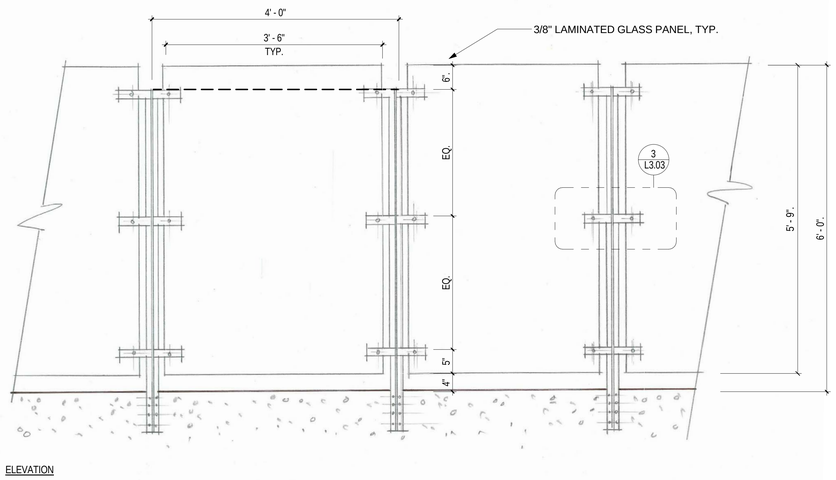
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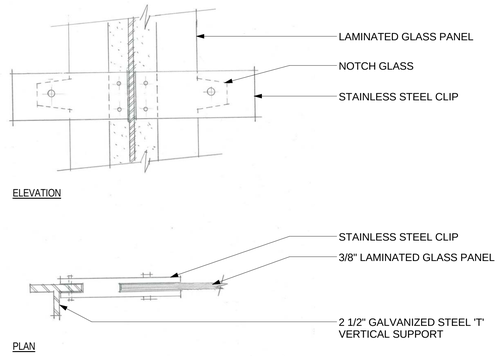
ORIGINAL SHEET SIZE 30" x 42"

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ELEVATION

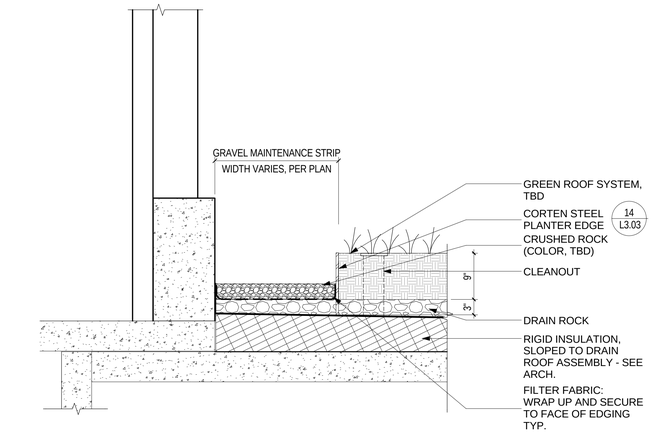
1 GLASS SCREEN (TYP.)
1" = 1'-0"



ELEVATION

PLAN

3 GLASS SCREEN CLIP DETAIL (TYP.)
1" = 1'-0"

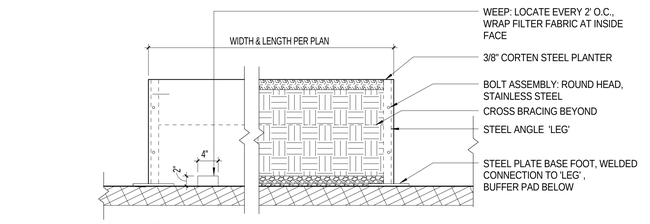


5 GRAVEL MAINTENANCE STRIP ON STRUCTURE
1" = 1'-0"

PLAN

ELEVATION

11 CABLE RAIL
1" = 1'-0"



ADJACENT CONDITIONS VARY

14 CORTEN STEEL PLANTERS
1" = 1'-0"

16 TREE WELL ON STRUCTURE
1" = 1'-0"

19 ROOF DRAIN AT GREEN ROOF
3" = 1'-0"

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LOCATION
IRVINE, CA

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UCI PROJECT NO.
996296

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ARCHITECT SEAL

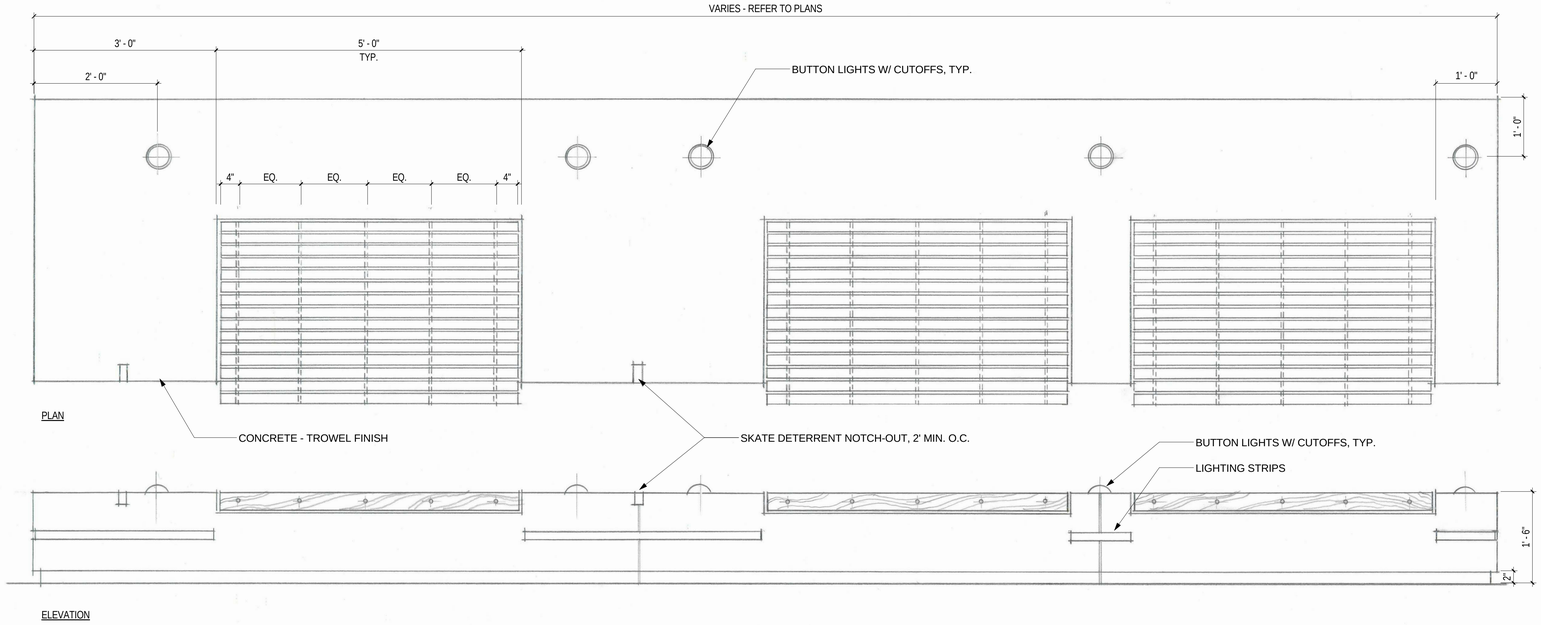
TITLE
SITE DETAILS

PROJECT NO.
1329200.000
DATE
MAY 30, 2014

SHEET NUMBER
L3.03
100% DD

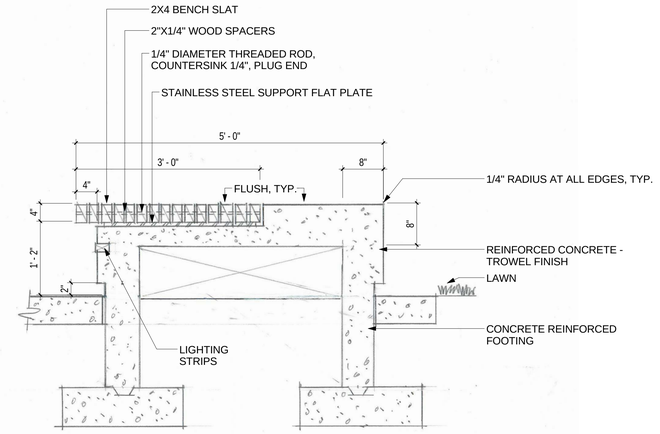
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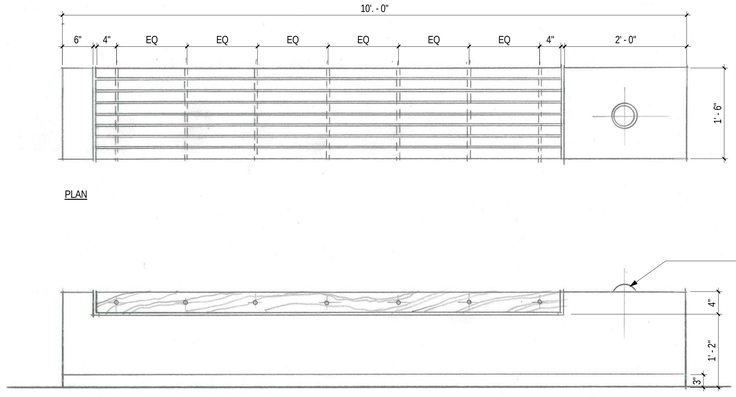


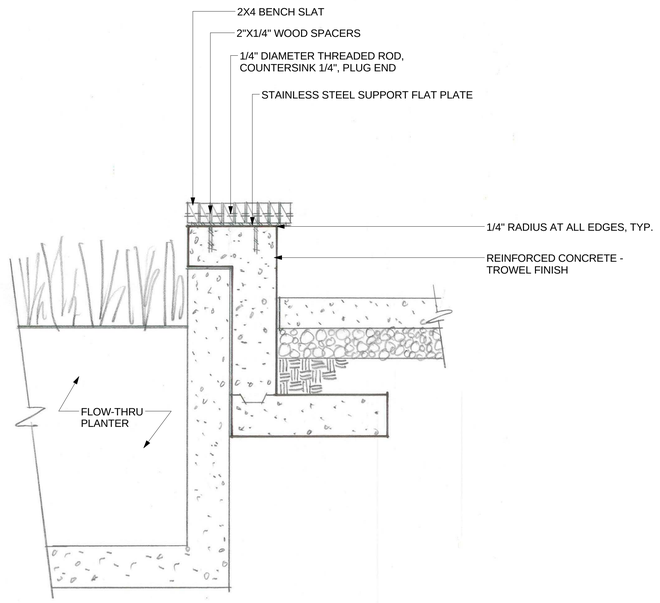
6 "LOUNGING" BENCH

1" = 1'-0"



SECTION





SECTION

16 WOOD AND CONCRETE BENCH

1" = 1'-0"

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PROJECT TEAM MEMBERS
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TITLE
SITE DETAILS

PROJECT NO.
1329200.000
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MAY 30, 2014

SHEET NUMBER
L3.04
100% DD

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ORIGINAL SHEET SIZE 30" x 42"

NOT FOR CONSTRUCTION



16 SITE LANDSCAPE PLAN
1" = 20'-0"

PLANTING LEGEND

- EXISTING TREES TO BE PRESERVED.
- NEW TREES
- EXISTING BUILDING
- PROPOSED BUILDING
- SHRUB AND GROUNDCOVER PLANTING
- RAIN GARDEN
- LAWN AND PLANTING REPAIR

GENERAL PLANTING NOTES

1. PLANTING OPERATIONS SHALL BE COMPLETED IN STRICT ACCORDANCE WITH SPECIFICATIONS AND DETAILS.
2. UNDERGROUND UTILITIES SHALL BE LOCATED PRIOR TO START OF WORK. CALL UNDERGROUND SERVICE ALERT.
3. NO PRE-EMERGENT HERBICIDE SHALL BE USED ON THE PROJECT SITE PRIOR TO OR AFTER INSTALLATION OF PLANT MATERIAL OR DURING THE ONE YEAR WARRANTEE PERIOD.
4. PLANTING SOIL WILL BE IMPORTED TOPSOIL FOR ALL PLANTING AREAS
5. ALL PLANTING AREAS WILL HAVE A MINIMUM OF 24" SOIL DEPTH - EXCEPT WHERE NOTED (SEE PODIUM LEVEL).
6. FINAL SELECTION OF PLANTS WILL BE BASED ON DROUGHT TOLERANCE, NATIVE AND NATIVE LIKE QUALITIES, AND LONG TERM MAINTENANCE CRITERIA. FINAL PLANT SELECTION AND SPECIFICATIONS WILL BE TAKEN FROM, BUT NOT LIMITED TO THOSE LISTED ON THIS SHEET.
7. PLANT COUNTS ARE FOR REFERENCE ONLY. CONTRACTOR SHALL SUPPLY ALL PLANTS AS SHOWN ON THIS PLAN.
8. CONTRACTOR SHALL SUPPLY PLANTS OF THE SIZE SPECIFIED. IF THE CONTRACTOR IS UNABLE TO LOCATE PLANT MATERIAL OF THE SIZE SPECIFIED, CONTACT THE LANDSCAPE ARCHITECT FOR INSTRUCTIONS.
9. CONTRACTOR SHALL PLACE PLANT MATERIALS SO THEY DO NOT INTERFERE WITH IRRIGATION SYSTEM OR INHIBIT REQUIRED COVERAGE.
10. PLANT LOCATIONS MAY BE ADJUSTED AS LONG AS DESIGN INTENT IS NOT COMPROMISED. IF A CONFLICT OCCURS, THE CONTRACTOR SHALL NOTIFY LANDSCAPE ARCHITECT FOR APPROVAL OF ANY MAJOR MODIFICATIONS.
11. CONTRACTOR SHALL NOTIFY LANDSCAPE ARCHITECT 72 HOURS PRIOR TO PLANTING FOR APPROVAL OF PLANT MATERIAL AND LAYOUT.
12. PLANTING AREAS SHALL RECEIVE A 3" LAYER OF SPECIFIED MULCH.
13. CONTRACTOR SHALL GUARANTEE PLANT MATERIAL FOR A PERIOD OF ONE YEAR FOLLOWING END OF 120 DAY MAINTENANCE PERIOD.
14. CONTRACTOR IS RESPONSIBLE FOR MAINTAINING THE SITE IN A SAFE AND CLEAN CONDITION.
15. THE CONTRACTOR SHALL BE RESPONSIBLE UNDER THIS CONTRACT FOR REPAIRING OR REPLACING, AT HIS OWN EXPENSE, AN STRUCTURES, WALLS, PLANT MATERIAL, OR TREES DAMAGED OR ITEMS WILL BE RESTORED TO THEIR ORIGINAL CONDITION AND TO THE SATISFACTION OF THE OWNER.

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ARCHITECT SEAL

TITLE
SITE LANDSCAPE PLAN

PROJECT NO.
1329200.000
DATE
MAY 30, 2014

SHEET NUMBER
L4.01
100% DD

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ORIGINAL SHEET SIZE 30" x 42"

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11 PODIUM LEVEL LANDSCAPE PLAN
1" = 20'-0"

PLANTING LEGEND

- NEW TREES IN CONCRETE TREE WELLS (16 / L3.03)
- EXISTING BUILDINGS
- PROPOSED BUILDINGS
- PODIUM PLANTING 12" SOILD DEPTH. GREEN ROOF SYSTEM TBD.
- DECOMPOSED GRANITE TOPDRESS AT BUILDING EDGE

GENERAL PLANTING NOTES

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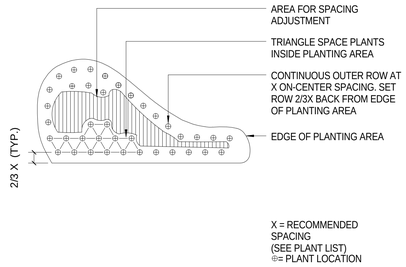
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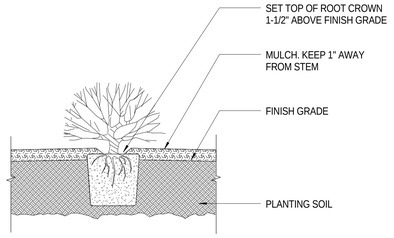
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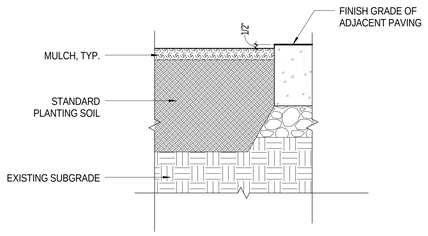
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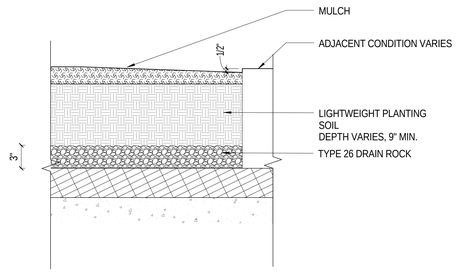
1 PLANT SPACING
1/2" = 1'-0"



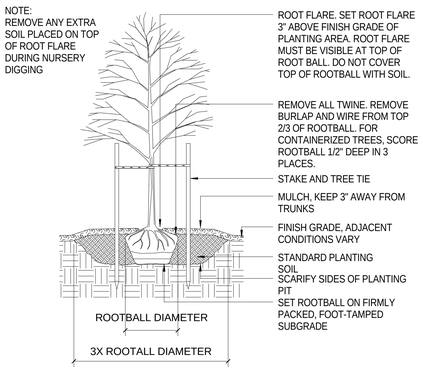
2 SHRUB AND GROUNDCOVER PLANTING, TYP.
3/4" = 1'-0"



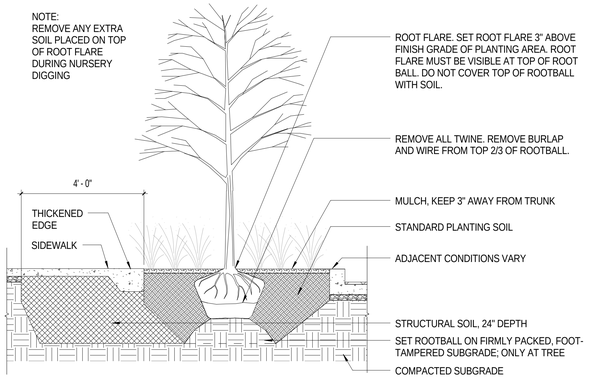
6 PLANTING AREA ON GRADE, TYP.
1 1/2" = 1'-0"



7 PLANTING AREA ON STRUCTURE, TYP.
1 1/2" = 1'-0"



11 TREE PLANTING, TYP.
3/8" = 1'-0"



12 TREE PLANTING AT STRUCTURAL SOIL
1/2" = 1'-0"









PLANT SCHEDULE

KEY	BOTANICAL NAME	COMMON NAME	SIZE	ROOT CONDITION	ON-CENTER SPACING	WATER USE
EXISTING TREES						
MEDIUM - LARGE TREES						
Par flo	Parkinsonia florida	BLUE PALO VERDE	36" BOX	B & B	AS SHOWN	LOW
Pin tor	Pinus torreyana	TORREY PINE	36" BOX	B & B	AS SHOWN	MED.
Pro chi	Prosopis chilensis	CHILEAN MESQUITE	36" BOX	B & B	AS SHOWN	LOW
Que vir	Quercus virginiana	LIVE OAK	36" BOX	B & B	AS SHOWN	LOW
SMALL - MEDIUM TREES						
Chi lin	Chilopsis linearis	DESERT WILLOW	24" BOX	B & B	AS SHOWN	VERY LOW
Chi lin	Chilopsis linearis	DESERT WILLOW	24" BOX	B & B	AS SHOWN	VERY LOW
MIXED PLANTINGS						
Aga des	Agave desmetiana	SMOOTH AGAVE	5 GAL	CONTAINER	AS SHOWN	LOW
Alo bar	Aloe barbadensis	ALOE	5 GAL	CONTAINER	AS SHOWN	LOW
Cal cal	Calliandra californica	RED FAIRYDUSTER	5 GAL	CONTAINER	AS SHOWN	LOW
Enc far	Encelia farinosa	BRITTLEBUSH	5 GAL	CONTAINER	AS SHOWN	LOW
Das whe	Dasylirion wheeleri	DESERT SPOON	1 GAL	CONTAINER	AS SHOWN	LOW
Eup	Euphorbia rigida	GOPHER PLANT	5 GAL	CONTAINER	AS SHOWN	LOW
Gal spe	Galvezia speciosa	ISLAND SNAPDRAGON	5 GAL	CONTAINER	AS SHOWN	LOW
Hes fun	Hesperaloe funifera	GIANT HESPERALOE	5 GAL	CONTAINER	AS SHOWN	LOW
Hes par	Hesperaloe parviflora	RED YUCCA	5 GAL	CONTAINER	AS SHOWN	LOW
Lan x	Lantana 'New Gold'	GOLD LANTANA	1 GAL	CONTAINER	AS SHOWN	LOW
Muh cap	Muhlenbergia capillaris 'Regal Mist'	REGAL MIST	5 GAL	CONTAINER	AS SHOWN	LOW
Muh reg	Muhlenbergia rigens	DEER GRASS	5 GAL	CONTAINER	AS SHOWN	LOW
Pac mar	Pachycereus marginatus	MEXICAN FENCE POST	5 GAL	CONTAINER	AS SHOWN	LOW
Rue cal	Ruellia californica	CALIFORNIA RUELLIA	5 GAL	CONTAINER	AS SHOWN	LOW
Sal api	Salvia apiana	WHITE SAGE	5 GAL	CONTAINER	AS SHOWN	VERY LOW
Sal gre	Salvia greggi	AUTUMN SAGE	5 GAL	CONTAINER	AS SHOWN	LOW
Sal son	Salvia sonomensis 'Dara's Choice'	SAGE	5 GAL	CONTAINER	AS SHOWN	LOW
Sph amb	Shaeralcea ambigua	DESERT MALLOW	5 GAL	CONTAINER	AS SHOWN	LOW
BIORETENTION / RAINGARDEN						
Cal cal	Calliandra californica	RED FAIRYDUSTER	5 GAL	CONTAINER	AS SHOWN	LOW
Enc far	Encelia farinosa	BRITTLEBUSH	5 GAL	CONTAINER	AS SHOWN	LOW
Muh cap	Muhlenbergia capillaris 'Regal Mist'	REGAL MIST	5 GAL	CONTAINER	AS SHOWN	LOW
Muh reg	Muhlenbergia rigens	DEER GRASS	5 GAL	CONTAINER	AS SHOWN	LOW
Rue cal	Ruellia californica	CALIFORNIA RUELLIA	5 GAL	CONTAINER	AS SHOWN	LOW
Sal api	Salvia apiana	WHITE SAGE	5 GAL	CONTAINER	AS SHOWN	LOW
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Sal son	Salvia sonomensis 'Dara's Choice'	SAGE	5 GAL	CONTAINER	AS SHOWN	LOW
Sph amb	Shaeralcea ambigua	DESERT MALLOW	5 GAL	CONTAINER	AS SHOWN	LOW
SEDUM / GRASS GREEN ROOF						
PLANTING AND LAWN REPAIR AT AREAS OF DISTURBANCE						

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996296

KEYMAP

NO.	DATE	REVISION

PROJECT DIRECTOR

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PROJECT TEAM MEMBERS
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ARCHITECT SEAL

TITLE
MASTER PLANTING SCHEDULE AND DETAILS

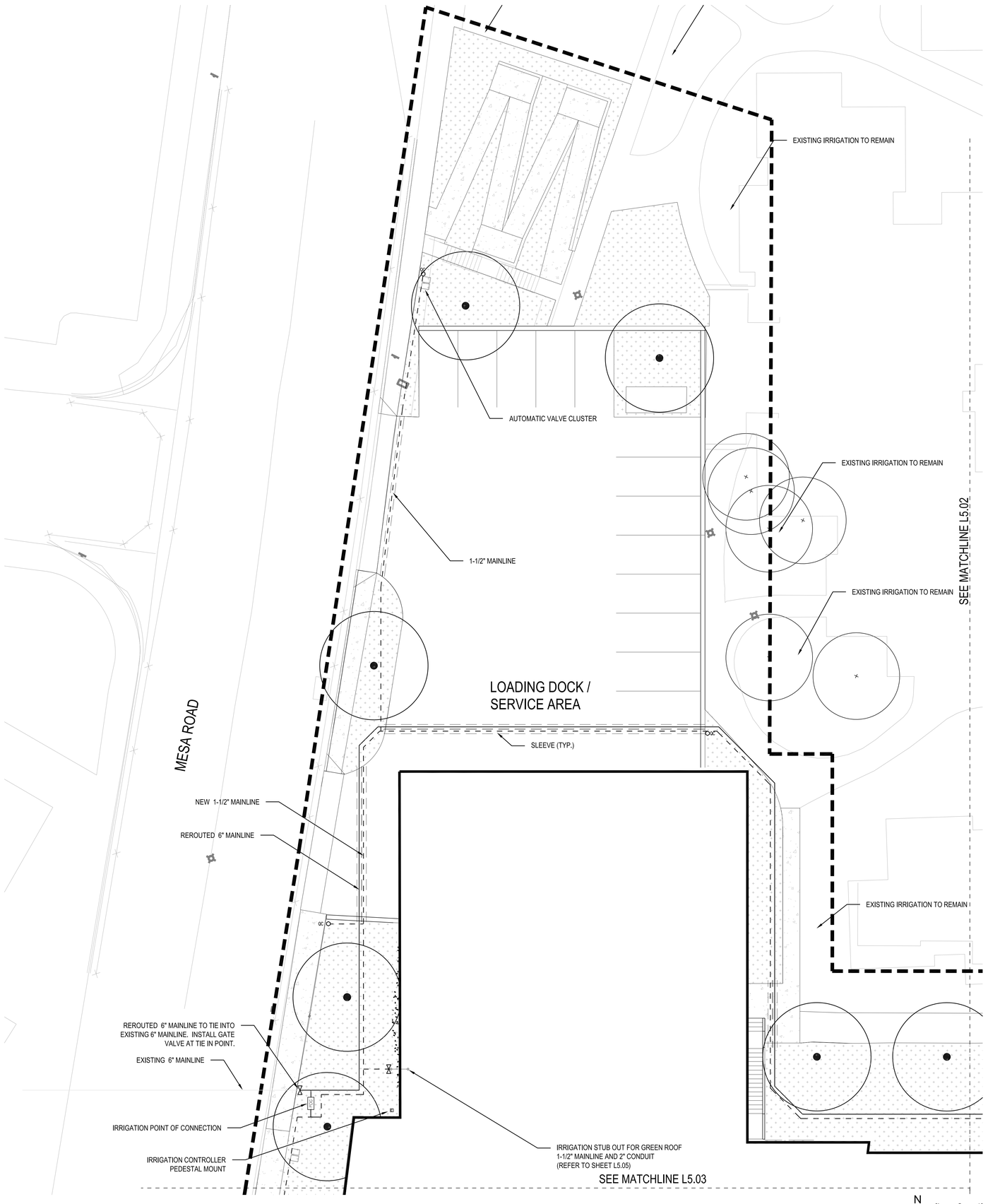
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DATE
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L4.40
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1 IRRIGATION PLAN
1" = 10'-0"

IRRIGATION LEGEND

- ON GRADE SHRUB AND GROUNDCOVER PLANTING
  RAIN BIRD 1806-SAM , 6" POP-UP SPRAY
  W/ RAIN BIRD MPR SPRAY 5'-15' SERIES NOZZLES
- RAIN GARDEN PLANTING
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  IRRIGATION HEADS AND NOZZLES TO MATCH EXISTING IRRIGATION TO REMAIN
- POC — IRRIGATION POINT OF CONNECTION
- IRRIGATION CONTROLLER
- IRRIGATION VALVE BOXES
- GATE VALVES
- QUICK COUPLER
- IRRIGATION MAINLINE
- RELOCATED 6" IRRIGATION SERVICE LINE
- SLEEVING
- COPPER PIPING (MECHANICAL PIPING)
- COPPER STUB OUT (MECHANICAL PIPING)

IRRIGATION SCHEDULE

DESCRIPTION
POINT OF CONNECTION: (1) 1-1/2" CAST IRON MANUAL GATE VALVE (1) RAIN BIRD 44-NP , 1" NON-POTABLE, PURPLE LOCKING RUBBER COVER, 2-PIECE COVER (1) 1-1/2" GRISWOLD CONTROLS MODEL NO. 2160, 1-1/2" NORMALLY OPEN MASTER VALVE (1) 1-1/2" HAYWARD SERIES 72 BASKET STAINER (1) DATA INDUSTRIAL IR220 SERIES, FLOW SENSOR (SIZED AS NEEDED FOR FLOW) (1) 1-1/2" CAST IRON MANUAL GATE VALVE
IRRIGATION CONTROLLER (1) RAIN BIRD ESP-24SITE-S, 24 STATION MAXICOM SATELLITE CONTROLLER W/ STAINLESS STEEL PEDESTAL
RAIN BIRD PEB SERIES AUTOMATIC VALVE W/ APOLLO SERIES 76F-100-01 ISOLATION VALVE
RAIN BIRD 44-NP, 1" NON-POTABLE, PURPLE LOCKING RUBBER COVER, 2-PIECE COVER
RAIN BIRD 1806-SAM, 6" POP-UP SPRAY W/ RAIN BIRD MPR '5-'15 SERIES NOZZLES
RAIN BIRD 1804-SAM, 4" POP-UP SPRAY W/ HUNTER MP ROTATOR NOZZLES
SCHEDULE 40 PVC PURPLE NON-POTABLE, 6" MAINLINE
SCHEDULE 40 PVC PURPLE NON-POTABLE, 1-1/2" MAINLINE
SCHEDULE 40 PVC PURPLE NON-POTABLE, LATERAL (SIZED PER SIZING CHART)
SCHEDULE 40 PVC, 2X SIZE OF INTERIOR PIPING, MIN. 6" SLEEVING
COPPER PIPE CONNECTION POINT (REFER TO MECHANICAL DRAWINGS)
COPPER PIPE (SCHEMATIC ROUTE, SIZE AS NOTED, REFER TO MECHANICAL DRAWINGS)

PIPE SIZING TABLE

PIPE SIZE	MAX. G.P.M.
3/4" SCH 40	UP TO 8 G.P.M.
1" SCH 40	UP TO 12 G.P.M.
1-1/4" SCH 40	UP TO 22 G.P.M.
1-1/2" SCH 40	UP TO 30 G.P.M.
2" SCH 40	UP TO 50 G.P.M.

IRRIGATION NOTES

1. All new planted areas shall be fully irrigated by a Rain Bird Maxicom Centrally Controlled underground system conforming to University of California Irvine standards
2. Repair and replace existing irrigation to remain as needed to maintain full function.
3. Stake locations of all new valve boxes and review with Landscape Architect before proceeding with installation. Ensure that valve box locations conform to spacing requirements as described in specifications.
4. Set valve boxes square to adjacent building or paving. Set valve boxes at finish grade after mulch installation and set in-line to each other.
5. All pipe or wire under roads, walks, pavers, walls, or other paved surfaces shall be sleeved. Sleeves shall be 6" min. Piping within sleeves to not exceed 50% of interior volume of sleeve.
6. Verify pressure at P.O.C. prior to beginning work. Notify Landscape Architect if less than static 60 psi.
7. Contractor to make any and all required adjustments to the irrigation plan to assure complete and adequate coverage of bed areas.
8. See corresponding planting plan for precise planting layout. Confirm location of new trees/shrubs and adjust layout as needed.
9. Irrigation Controller to tie into existing Central Control System. Contractor to provide 120VAC power and a dedicated phone line to irrigation controller.
10. Upon completion of irrigation work, operate the system in the presence of the University of California Irvine Representative. Adjust as needed.

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UCI PROJECT NO.
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KEYMAP

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TITLE
IRRIGATION PLAN

PROJECT NO.
1329200.000

DATE
MAY 30, 2014

SHEET NUMBER
L5.01

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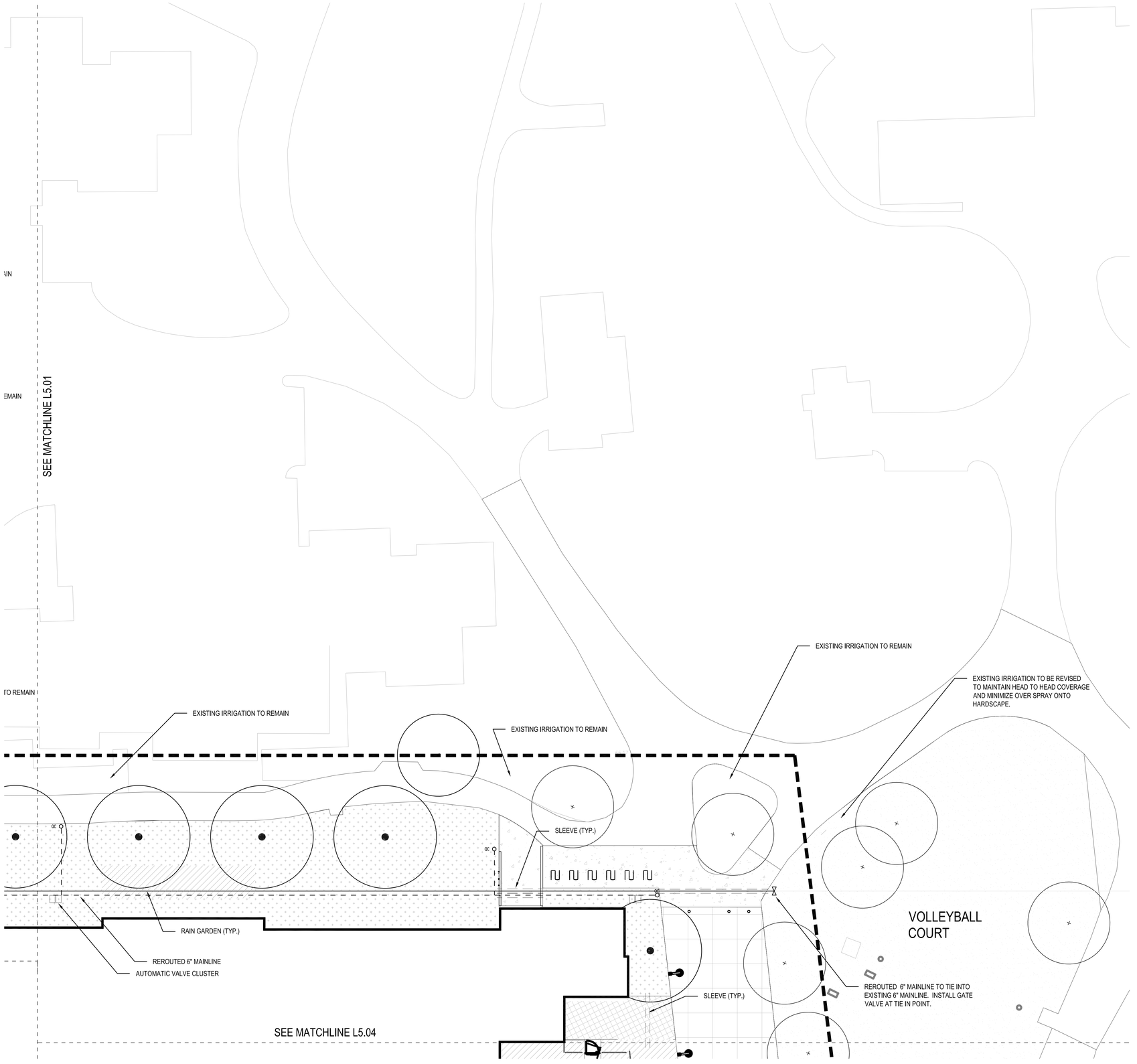
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MAY 30, 2014
1329200.000

TITLE
IRRIGATION PLAN

PROJECT NO.
1329200.000

DATE
MAY 30, 2014

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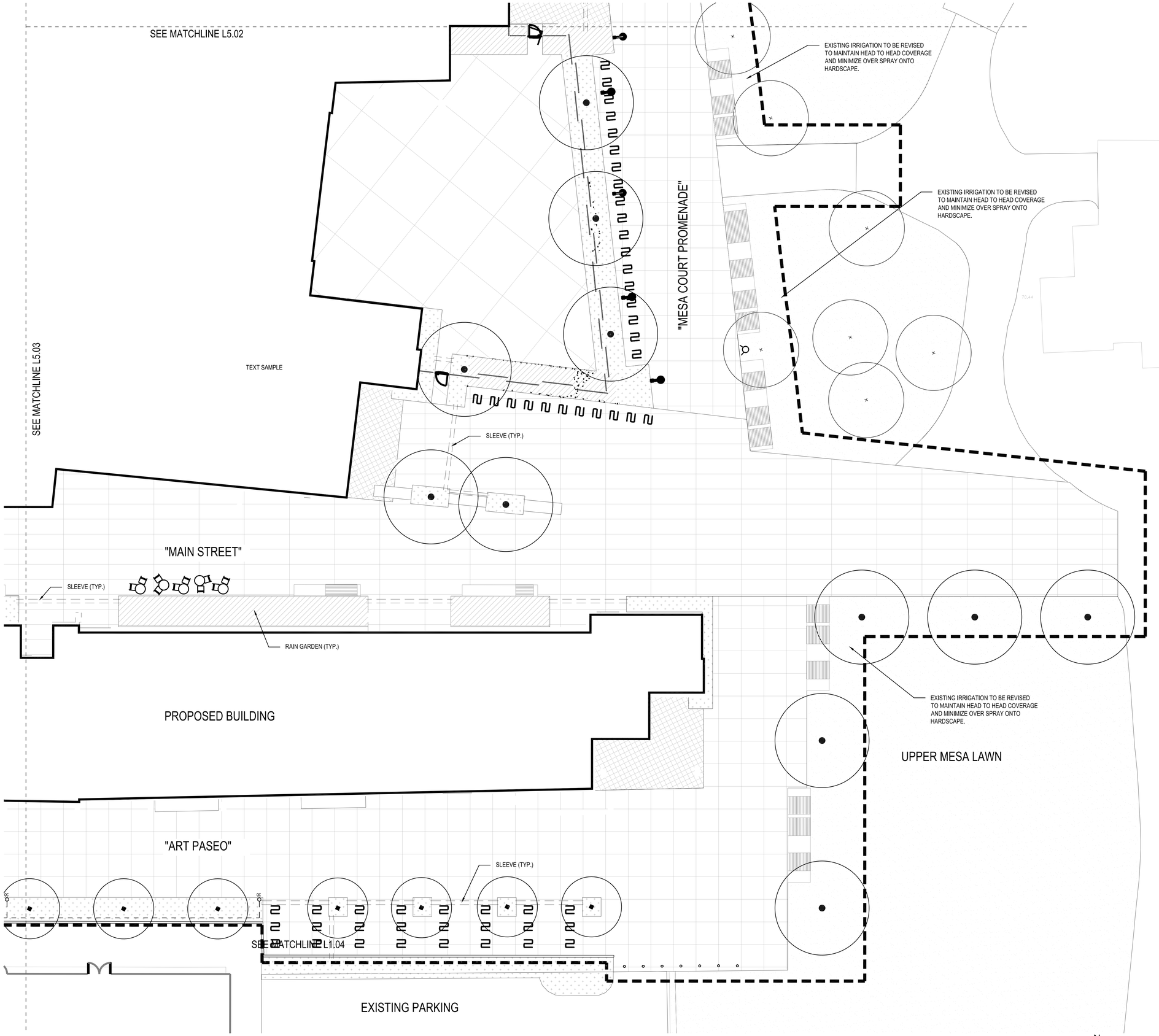
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1 IRRIGATION PLAN
1" = 10'-0"

IRRIGATION LEGEND

- ON GRADE SHRUB AND GROUNDCOVER PLANTING — RAIN BIRD 1806-SAM , 6" POP-UP SPRAY W/ RAIN BIRD MPR SPRAY 5'-15' SERIES NOZZLES
- RAIN GARDEN PLANTING — RAIN BIRD 1806-SAM , 6" POP-UP SPRAY W/ RAIN BIRD MPR SPRAY 5'-15' SERIES NOZZLES
- GREEN ROOF — RAIN BIRD 1804-SAM , 4" POP-UP SPRAY W/ HUNTER MP ROTATOR NOZZLES
- EXISTING LAWN AREAS — IRRIGATION HEADS AND NOZZLES TO MATCH EXISTING IRRIGATION TO REMAIN
- POC — IRRIGATION POINT OF CONNECTION
- IRRIGATION CONTROLLER
- IRRIGATION VALVE BOXES
- GATE VALVES
- QUICK COUPLER
- IRRIGATION MAINLINE
- RELOCATED 6" IRRIGATION SERVICE LINE
- SLEEVING
- COPPER PIPING (MECHANICAL PIPING)
- COPPER STUB OUT (MECHANICAL PIPING)

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PROJECT
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PREPARED FOR
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UCI PROJECT NO.
996296

KEYMAP

NO.	DATE	REMARK

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PROJECT ARCHITECT

PROJECT TEAM MEMBERS

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ARCHITECT SEAL

MAY 30, 2014
1329200.000

TITLE
IRRIGATION PLAN

PROJECT NO.
1329200.000

DATE
MAY 30, 2014

SHEET NUMBER
L5.04

WB LA Landscape Architecture Site Planning Irrigation
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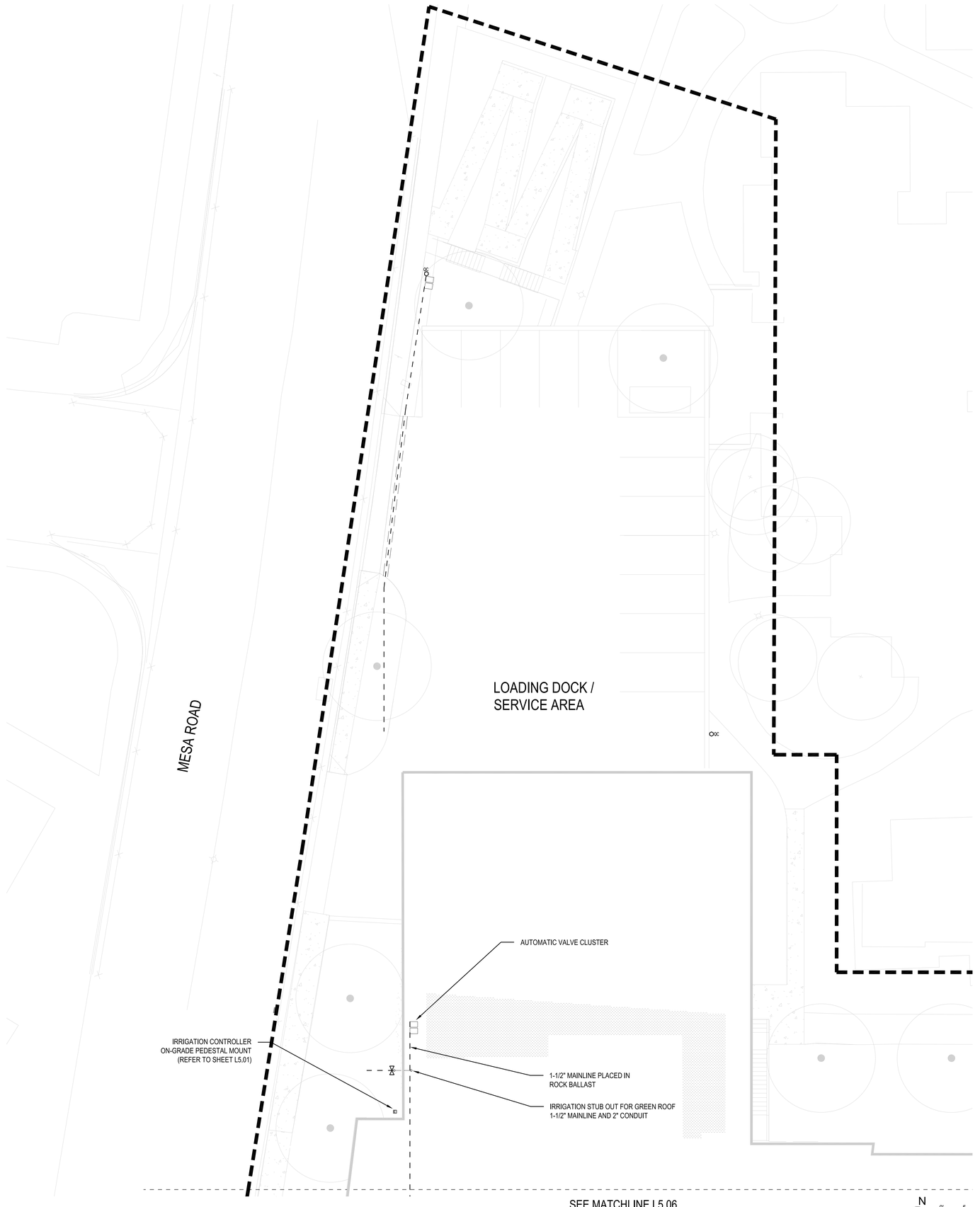
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1 PODIUM LEVEL IRRIGATION PLAN
1" = 10'-0"

IRRIGATION LEGEND

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PREPARED FOR

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UCI PROJECT NO.
996296

KEYMAP

NO.	DATE	REVISION

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PROJECT MANAGER

PROJECT ARCHITECT

PROJECT TEAM MEMBERS

CHECK

ARCHITECT SEAL

MAY 30, 2014
1329200.000

TITLE
IRRIGATION PLAN

PROJECT NO.
1329200.000

DATE
MAY 30, 2014

SHEET NUMBER
L5.05

WB LA Landscape Architecture Site Planning Irrigation
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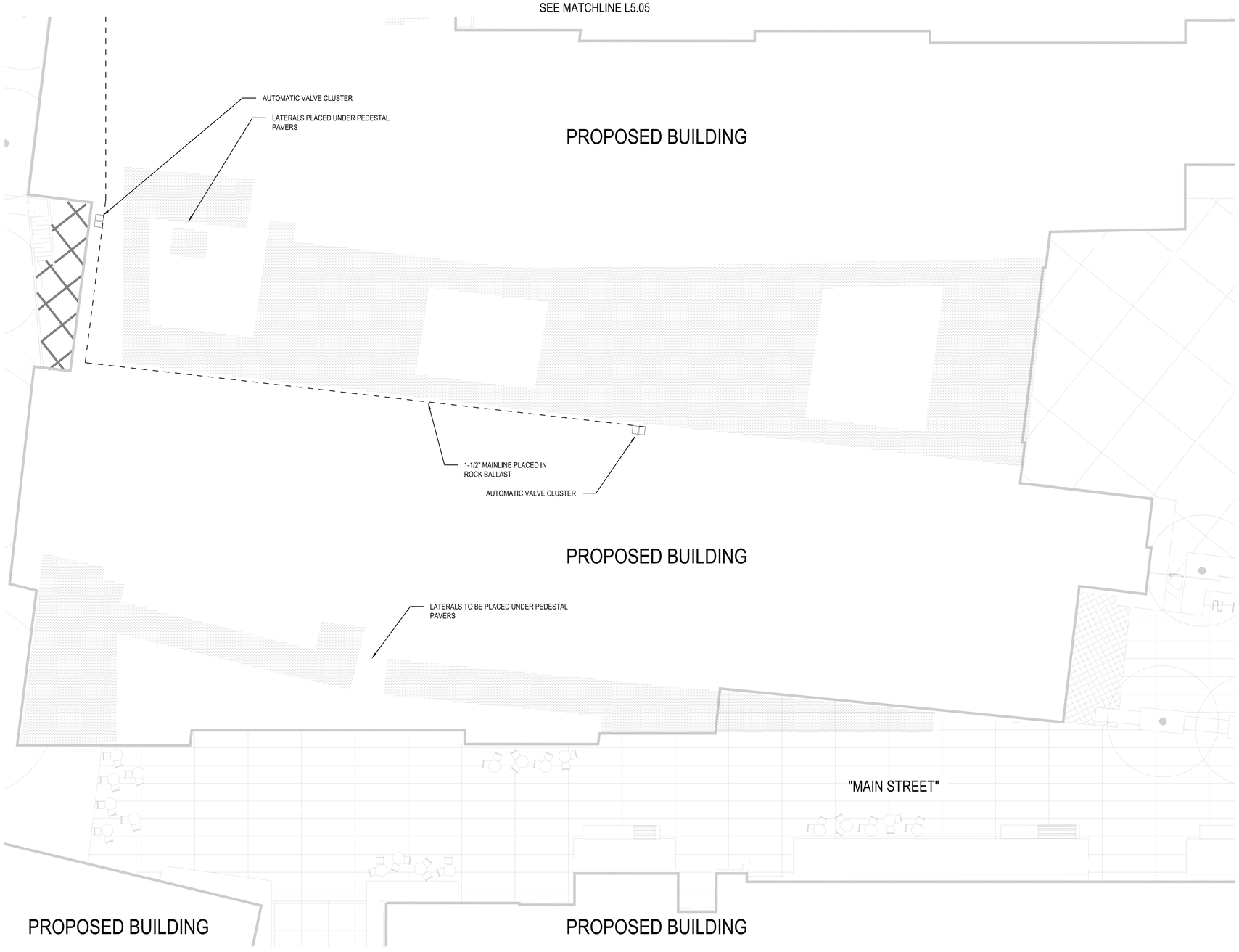
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1 IRRIGATION PLAN
1" = 10'-0"

N 0' 5 10

IRRIGATION LEGEND

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KEYMAP

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MAY 30, 2014
1329200.000

TITLE
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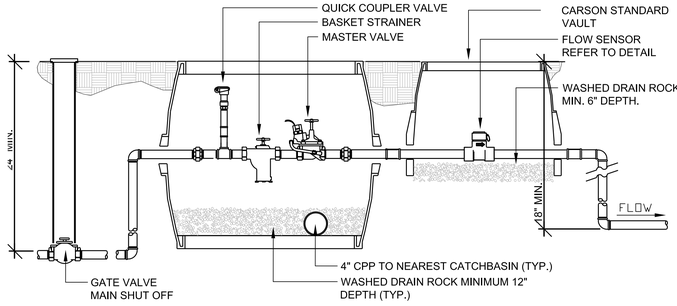
SHEET NUMBER
L5.06

WBLA Landscape Architecture Site Planning Irrigation
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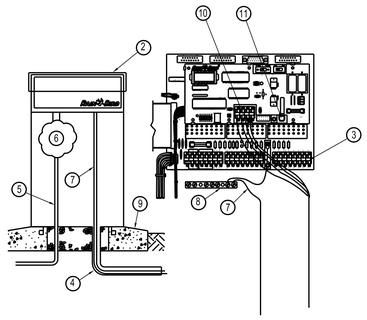
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NOTE:
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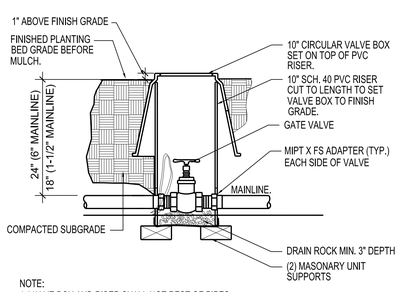
1 POINT OF CONNECTION
NOT TO SCALE



1. FINISH GRADE
2. RAIN BIRD ESP-SITE FIELD SATELLITE CONTROLLER, STAINLESS STEEL PEDESTAL
3. WIRE TERMINAL CONNECTORS FOR CONTROL AND COMMON WIRES TO REMOTE CONTROL VALVES

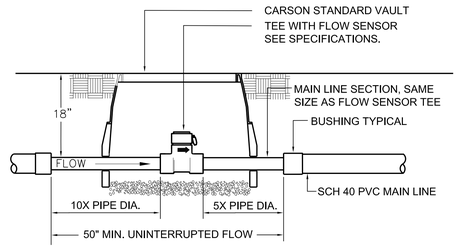
   PVC CONDUIT FOR CONTROL AND COMMON WIRES - SIZE AS REQUIRED.
5. 3/4" PVC CONDUIT FOR 120 VAC POWER SUPPLY
6. RAIN BIRD WARRANTY REQUIRES PROPER SURGE PROTECTION. USE INTERMATIC AG2401 OR TRIPPLITE ISOBAR
7. #10 COPPER GROUND WIRE FROM ESP-SITE-SAT GROUNDING BUSS BAR TO GROUNDING GRID
8. ESP-SITE FIELD SATELLITE CONTROLLER GROUNDING BUSS BAR
9. POURED CONCRETE BASE
10. ESP-SITE SATELLITE SENSOR INPUT
11. TELEPHONE LINE INPUT

2 GATE VALVE
NOT TO SCALE



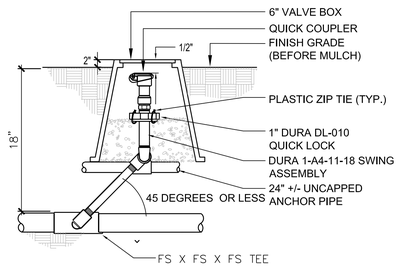
NOTE:
1. VALVE BOX AND RISER SHALL NOT REST OF PIPES.
2. TAPE AND BUNDLE WIRE EVERY TEN FEET.
3. PROVIDE 24" EXPANSION LOOP AT EACH WIRE CONNECTION IN VALVE BOX.

3 FLOW SENSOR
NOT TO SCALE

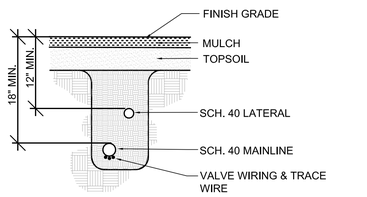


NOTES:
1. DO NOT ALLOW VAULT TO REST ON PIPE
2. PROVIDE MIN. 6" DEPTH DRAIN ROCK.

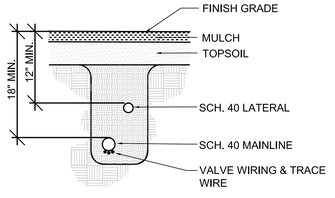
4 QUICK COUPLER
NOT TO SCALE



5 IRRIGATION CONTROLLER
NOT TO SCALE

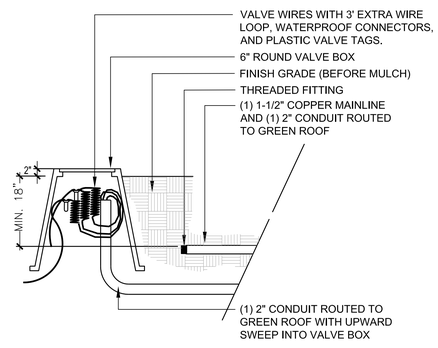


NOTE:
1. BACKFILL TO BE FREE OF ROCK OR DEBRIS LARGER THAN 1" DIA. ABSOLUTELY NO ROCK OR DEBRIS SHALL BE PLACED DIRECTLY ADJACENT TO ANY PIPE .
2. STACKING OF PIPE IS NOT PERMITTED.
3. REPLACE DISTURBED OR DAMAGED LANDSCAPE AS NEEDED.

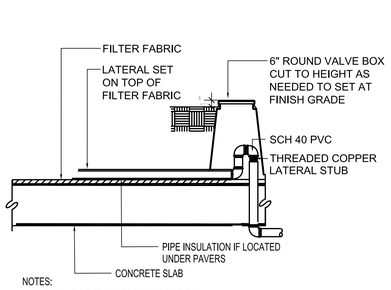


NOTE:
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2. STACKING OF PIPE IS NOT PERMITTED.
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6 GROUNDING GRID
NOT TO SCALE

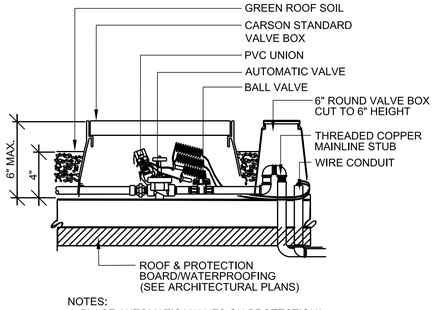


7 AUTOMATIC VALVE / ON GRADE
NOT TO SCALE



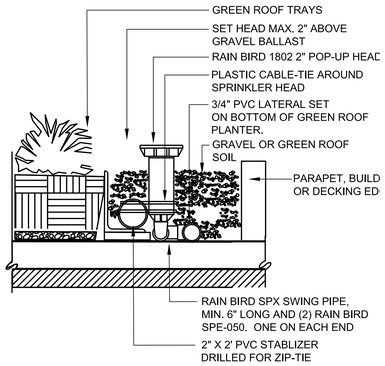
NOTES:
1. CUT VALVE BOXS AS NEEDED TO MAINTAIN A A 1" CLEARANCE FROM PIPE

8 POP-UP SPRINKLER / ON GRADE
NOT TO SCALE



NOTES:
1. PLACE AUTOMATIC VALVES ON PROTECTION/ PROOFING (SEE ARCHITECTURAL PLANS)
2. CUT VALVE BOXS AS NEEDED TO MAINTAIN A A 1" CLEARANCE FROM PIPE

9 SLEEVING
NOT TO SCALE



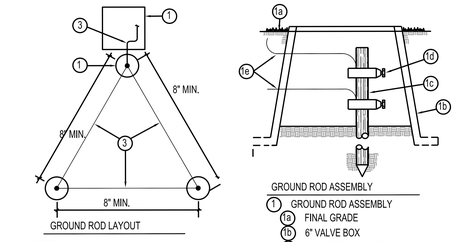
10 PIPING
NOT TO SCALE

11 IRRIGATION STUB OUT / ON GRADE
NOT TO SCALE

12 IRRIGATION STUB-OUT / GREEN ROOF
NOT TO SCALE

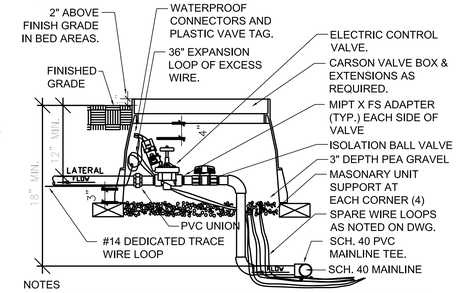
13 AUTOMATIC VALVE / GREEN ROOF
NOT TO SCALE

14 POP-UP SPRINKLER / GREEN ROOF
NOT TO SCALE

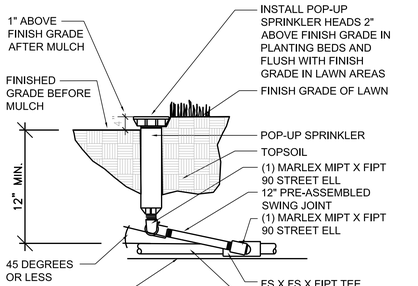


NOTES:
- MINIMUM 8' SPACING BETWEEN RODS.
- USE 10G (MINIMUM) BARE COPPER WIRE.
- WIRE FROM EQUIPMENT TO FIRST ROD SHOULD BE AS SHORT AND STRAIGHT AS POSSIBLE.
- USE SEPARATE CLAMP FOR EACH WIRE.

1. GROUND ROD ASSEMBLY
   - 1a FINAL GRADE
   - 1b 6" VALVE BOX
   - 1c 8" COPPER CLAD GROUND ROD
   - 1d GROUND ROD CLAMPS
   - 1e MIN 10-1 BARE COPPER
2. PROTECTED DEVICE
3. BARE COPPER GROUND WIRE



NOTES
1. ALL WIRE INSTALLATIONS TO BE IN COMPLIANCE WITH APPLICABLE CODES.
2. TAPE AND BUNDLE WIRE EVERY TEN FEET.
3. PROVIDE EXPANSION COILS AT EACH WIRE CONNECTION IN VALVE BOX.
4. COMPACT SOIL AROUND VALVE BOX TO SAME DENSITY AS UNDISTURBED SOIL.
5. VALVE BOX SHALL NOT REST ON PIPES. SEE SPECIFICATIONS.
6. NO PIPING UNDER VALVE BOXES (EXCEPT INLET SUPPLY).



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LOCATION
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PREPARED FOR

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UCI PROJECT NO.
996296

KEYMAP

NO.	DATE	REVISION

PROJECT DIRECTOR

PROJECT MANAGER

PROJECT ARCHITECT

PROJECT TEAM MEMBERS

CHECK

ARCHITECT SEAL

MAY 30, 2014
1329200.000

TITLE
IRRIGATION DETAILS

PROJECT NO
1329200.000

DATE
MAY 30, 2014

SHEET NUMBER
L5.07

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ORIGINAL SHEET SIZE 30" x 42"

LA Landscape Architecture Site Planning Irrigation
16000 35th Dr. S.E. Bothell, WA 98012
phone (425) 417-4650 fax (425) 486-1584

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16 SITE PLAN
1" = 20'-0"

VICINITY MAP



LEGEND

- LIMIT OF DISTURBANCE
- EXISTING BUILDINGS
- PROPOSED BUILDINGS
- 5' X 5' SCORED SAWCUT CONCRETE - COLOR: NATURAL GREY. FINISH: TBD.
- 15' X 15' SCORED SAWCUT CONCRETE - COLOR AND FINISH: TBD.
- 5' X 2' SCORED CONCRETE - COLOR: NATURAL GREY. FINISH AND PATTERN: TBD.
- 1 UNIT PAVERS - COORDINATED WITH INTERIOR PAVING - SIZE, COLOR AND FINISH: TBD.
- 18" CONCRETE TRANSITION BAND
- DECOMPOSED GRANITE TOP DRESS AT BUILDING EDGE
- PEDESTRIAN LIGHTING. SPECIAL FIXTURE - 18' POLE HT.
- PEDESTRIAN LIGHTING. UCI STANDARD FIXTURE - 18' POLE HT.
- BOLLARDS - REMOVABLE AND OPERABLE. SEE L1.01 FOR LOCATION AND TYPE.
- BICYCLE RACKS: LANDSCAPE FORMS FLO, EMBEDDED; (83)
- FIRE HYDRANT
- EXISTING TREES TO BE PRESERVED.
- NEW TREES
- SHRUB AND GROUNDCOVER PLANTING
- RAIN GARDEN
- LAWN AND PLANTING REPAIR/RESTORATION

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UCI PROJECT NO.
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CHECK
PC

ARCHITECT SEAL

TITLE
SITE PLAN

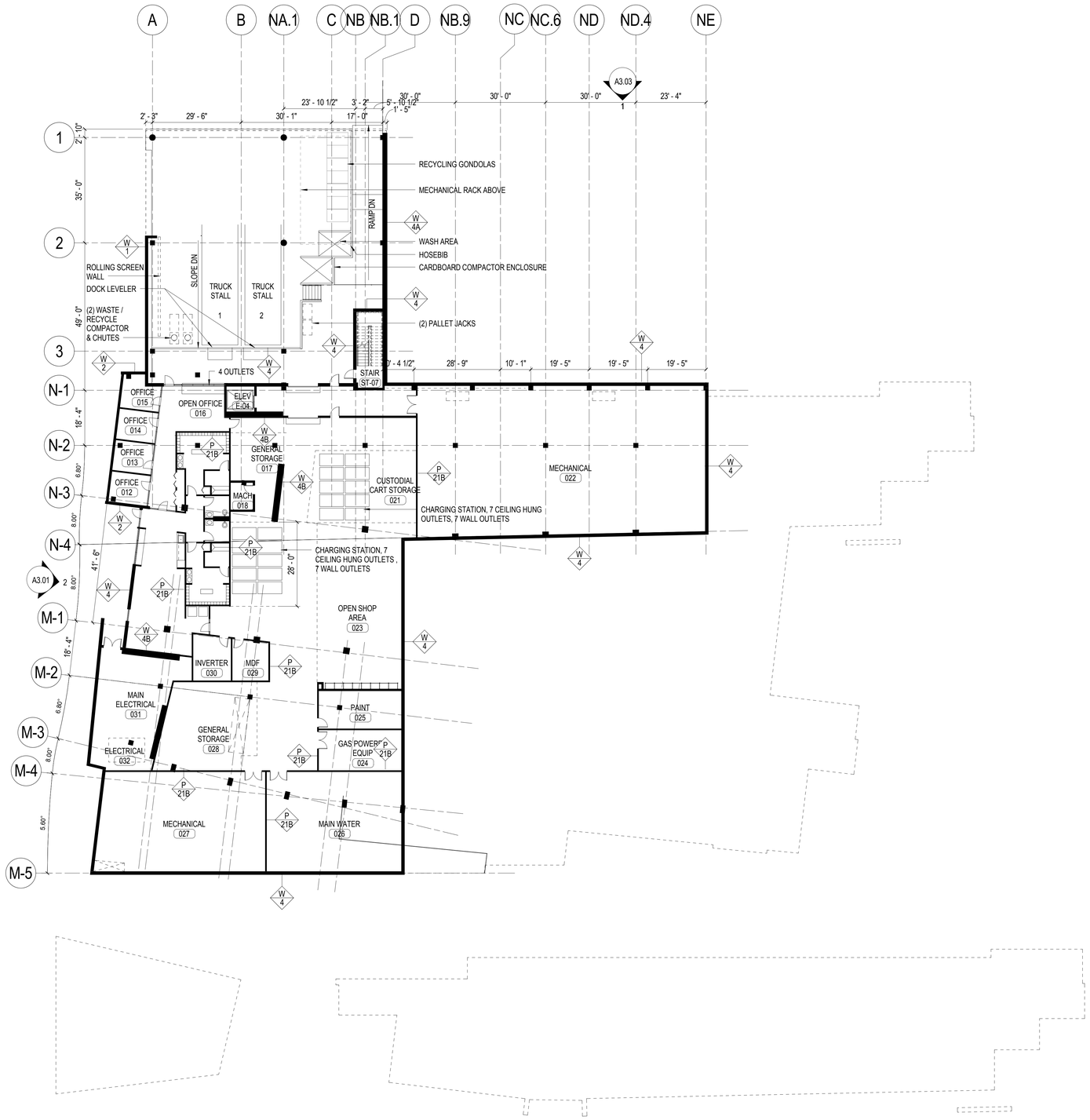
PROJECT NO.
1329200.000
DATE
MAY 30, 2014

SHEET NUMBER
A1.01
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1 LOWER LEVEL FLOOR PLAN
1/16" = 1'-0"

0' 4' 8' 16'

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LOCATION
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PREPARED FOR

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PROJECT MANAGER
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PROJECT TEAM MEMBERS
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CHECK
KB

ARCHITECT SEAL

TITLE
LOWER LEVEL FLOOR PLAN
PROJECT NO.
13292.00
DATE
MAY 30, 2014

SHEET NUMBER
A2.00
DESIGN DEVELOPMENT
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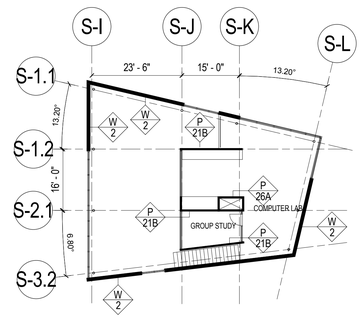
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1 LEVEL 1 FLOOR PLAN
1/16" = 1'-0"



2 LEVEL 1M
1/16" = 1'-0"

GENERAL NOTES:

1. COLUMN GRID DESIGNATIONS ARE OMITTED ON MIDDLE TOWER FOR DRAWING CLARITY. REFERENCE A2.03 FOR GID DESIGNATIONS AND DIMENDIONS.

0' 4' 8' 16'

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UCI PROJECT NO.
996296

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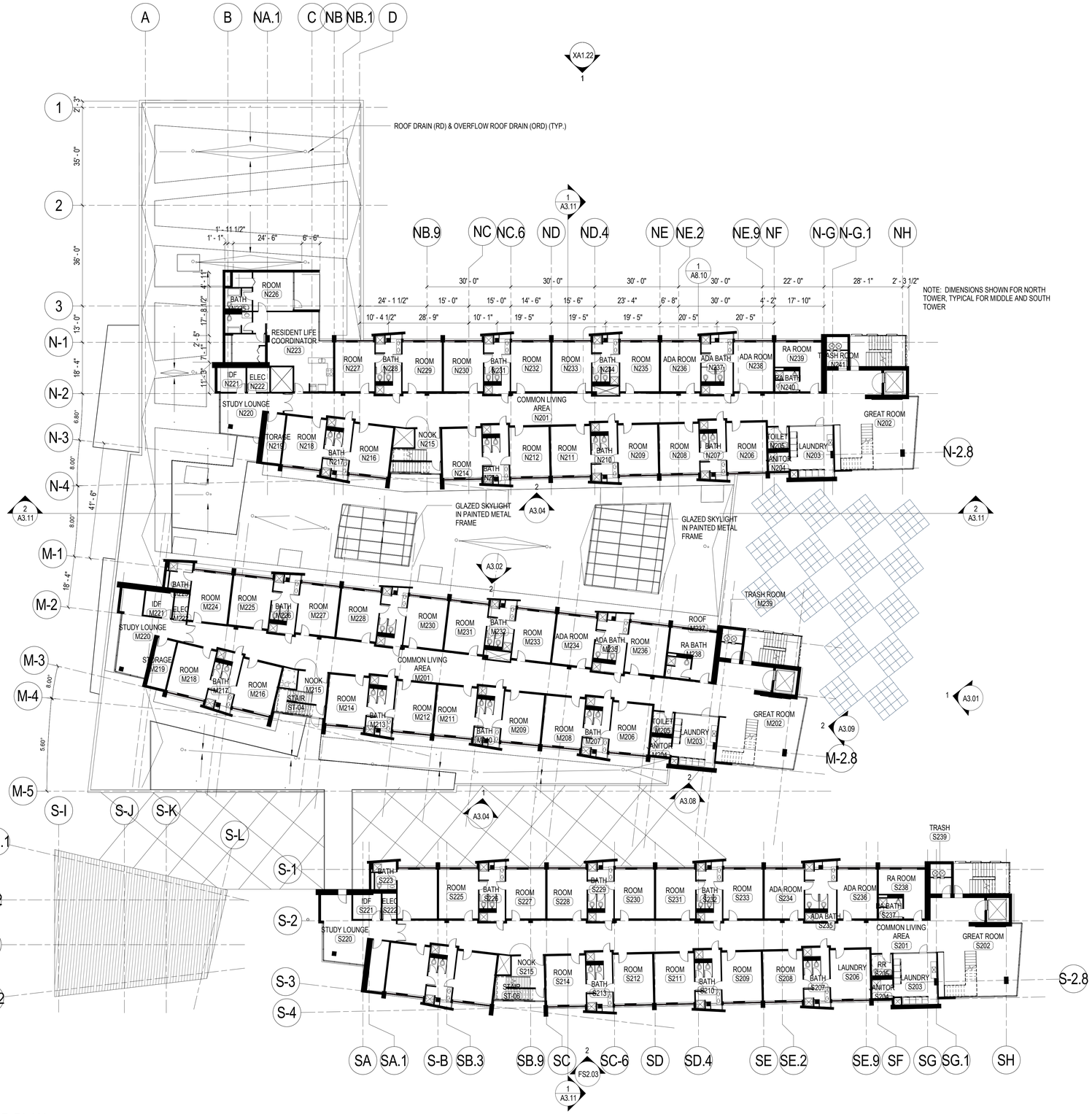
TITLE
LEVEL 1 FLOOR PLAN

PROJECT NO.
13292.00
DATE
MAY 30, 2014

SHEET NUMBER
A2.01
DESIGN DEVELOPMENT

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ORIGINAL SHEET SIZE 30" x 42"



1 LEVEL 2 FLOOR PLAN
1/16" = 1'-0"

GENERAL NOTES:

1. DECK DRAINS LOCATED BELOW GREEN ROOF SYSTEM OR PEDESTAL PAVERS. REFERENCE LANDSCAPE PLAN L1.02 FOR PODIUM ROOF INFORMATION
2. COLUMN GRID DESIGNATIONS ARE OMITTED ON MIDDLE TOWER FOR DRAWING CLARITY. REFERENCE A2.03 FOR GRID DESIGNATIONS AND DIMENSIONS.
3. FIRE SEPARATION WALL AT WESTERN EXIT STAIR OF EACH RESIDENTIAL TOWER SEPARATING LEVEL 1 FROM 2 THROUGH 6. 2 HOUR RATED WALL.

0' 4' 8' 16'

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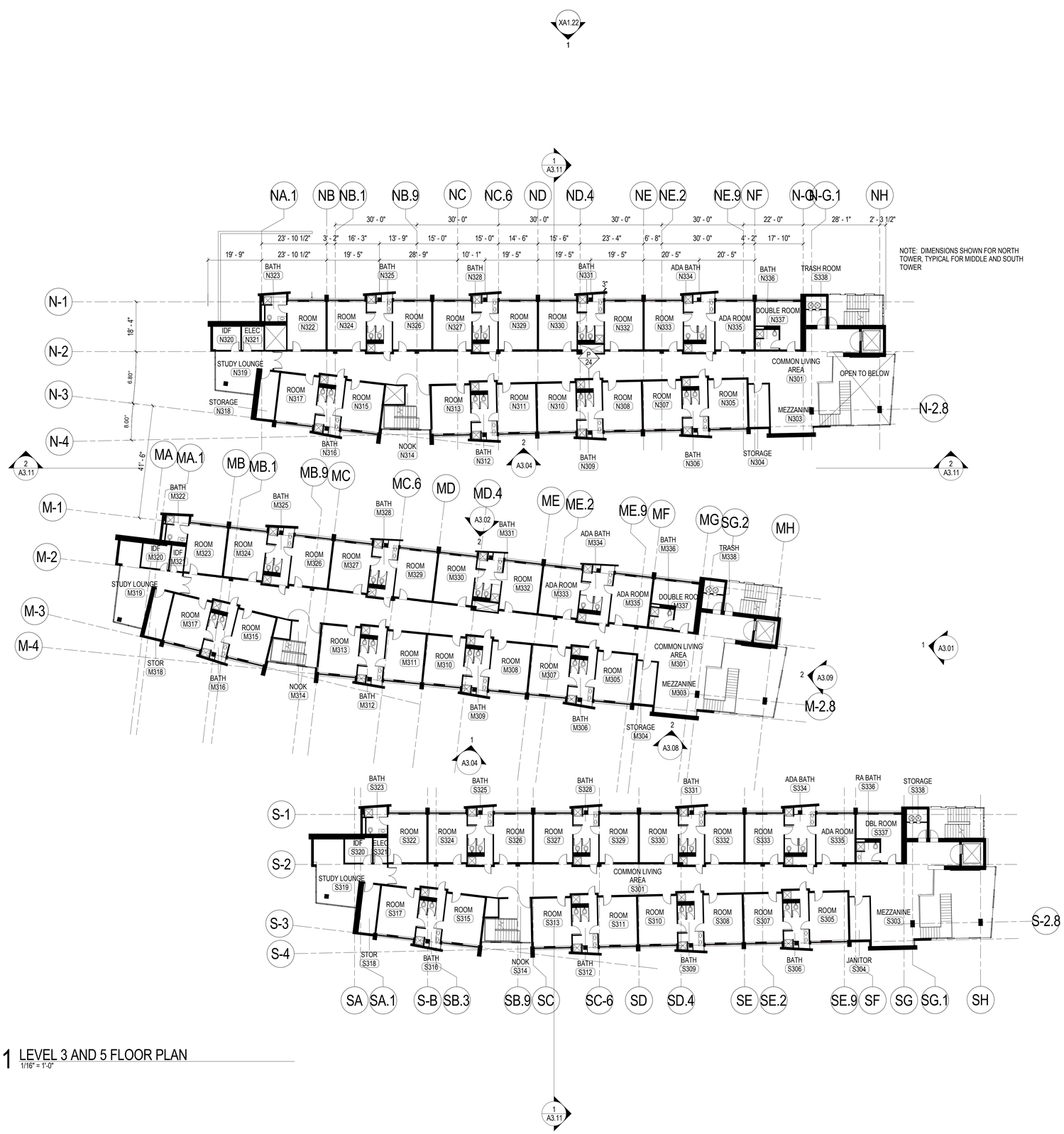
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LEVEL 2 FLOOR PLAN

PROJECT NO.
13292.00
DATE
MAY 30, 2014

SHEET NUMBER
A2.02
DESIGN DEVELOPMENT

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1 LEVEL 3 AND 5 FLOOR PLAN

1/16" = 1'-0"

0' 4' 8' 16'

ORIGINAL SHEET SIZE 30" x 42"

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PROJECT
MESA COURT EXPANSION

LOCATION
IRVINE, CA

PREPARED FOR
UCI
University of California, Irvine
Design & Construction Services
5201 California Ave Suite 250
Irvine, CA 92697

UCI PROJECT NO.
996296

KEYMAP

NO.	DATE	REVISION

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PROJECT MANAGER
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PROJECT ARCHITECT
TN
PROJECT TEAM MEMBERS
MD, AO, ZJ, CH, SG, EM, KP
CHECK
KB

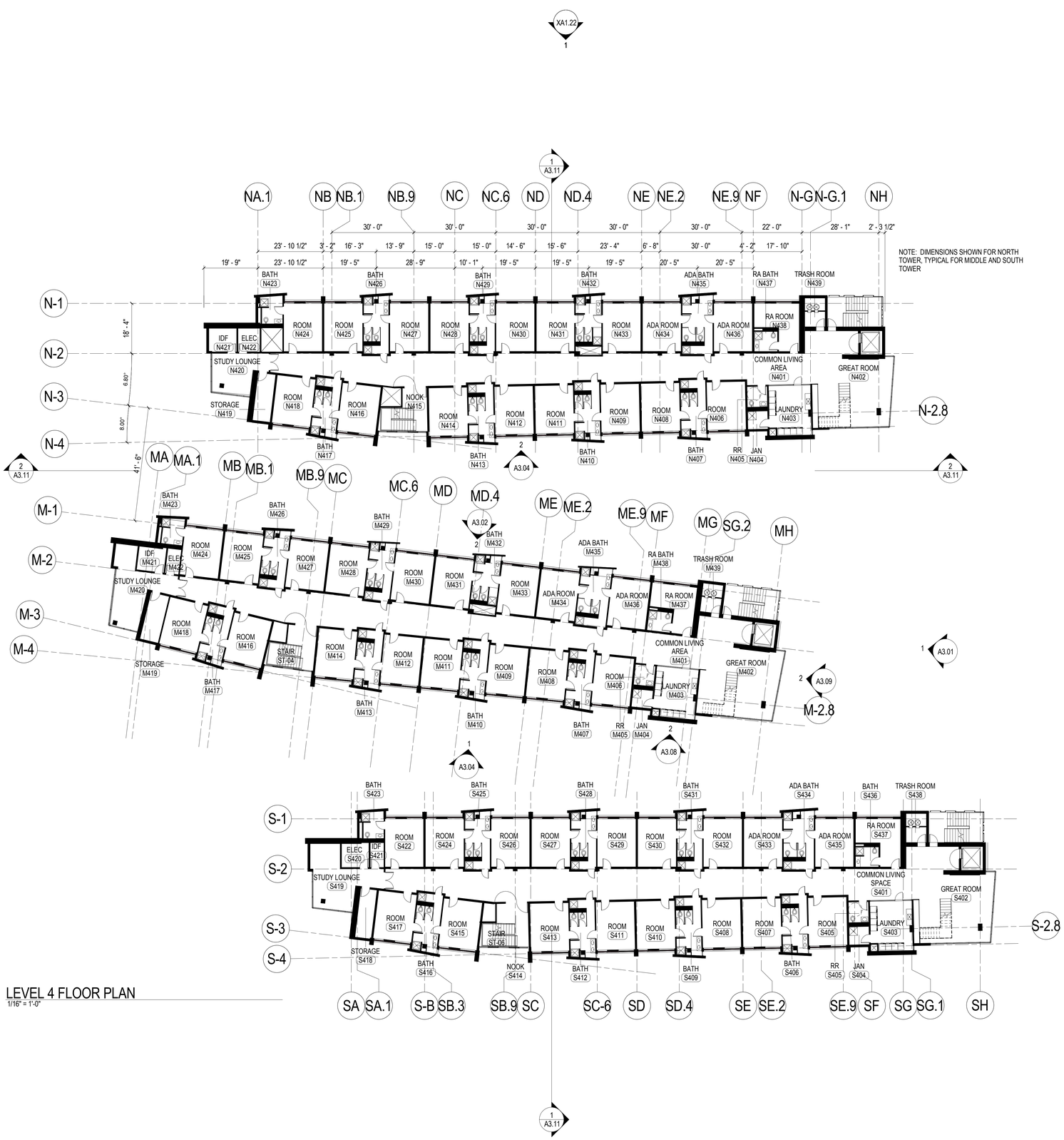
ARCHITECT SEAL

TITLE
LEVEL 3 & 5 FLOOR PLAN

PROJECT NO.
13292.00
DATE
MAY 30, 2014

SHEET NUMBER
A2.03
DESIGN DEVELOPMENT

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1 LEVEL 4 FLOOR PLAN
1/16" = 1'-0"

0' 4' 8' 16'

ORIGINAL SHEET SIZE 30" x 42"

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UCI PROJECT NO.
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CHECK:
KB

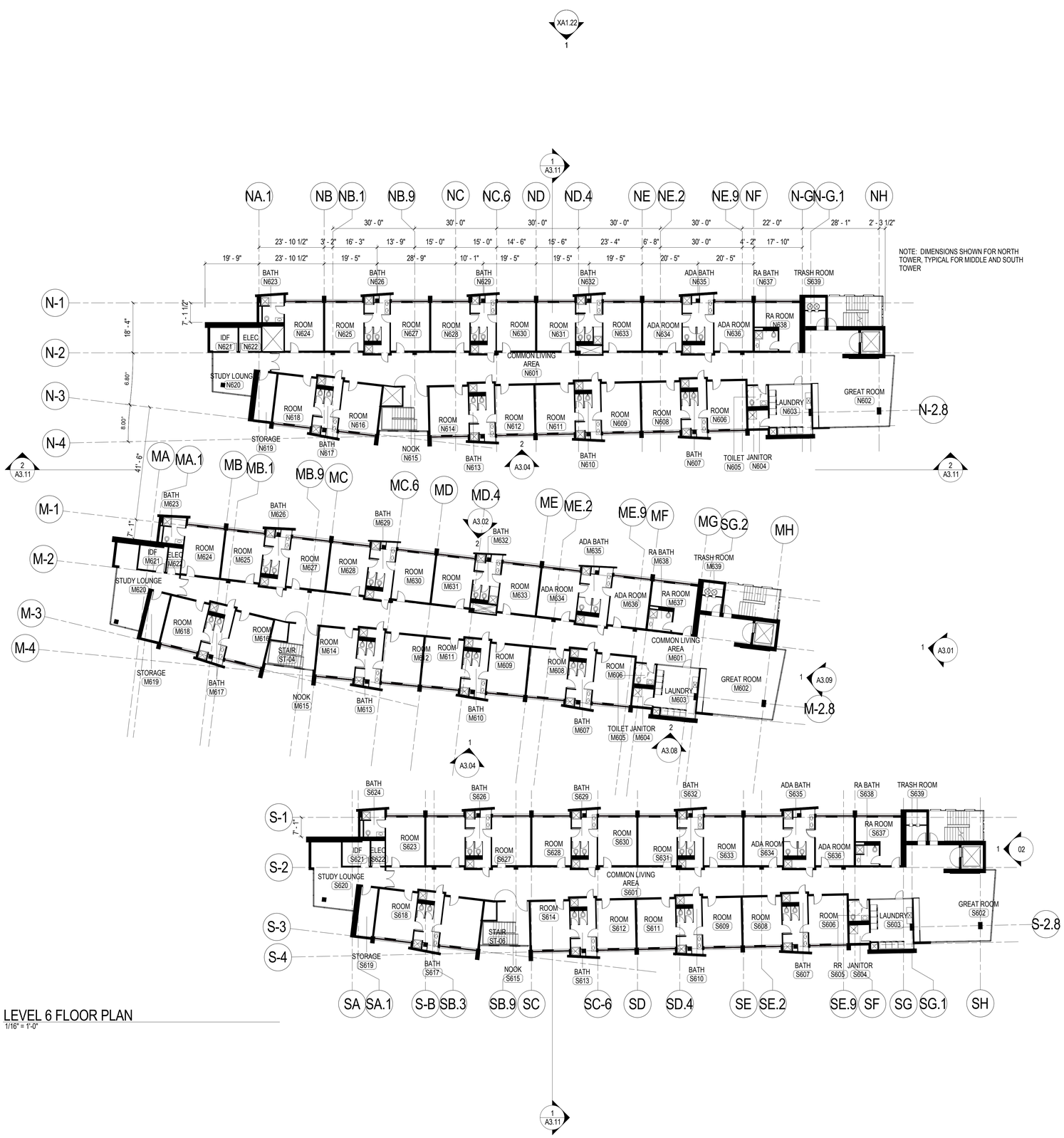
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TITLE
LEVEL 4 FLOOR PLAN

PROJECT NO.
13292.00
DATE
MAY 30, 2014

SHEET NUMBER
A2.04
DESIGN DEVELOPMENT

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1 LEVEL 6 FLOOR PLAN

1/16" = 1'-0"

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MD, AO, ZJ, CH, SG, EM, KP
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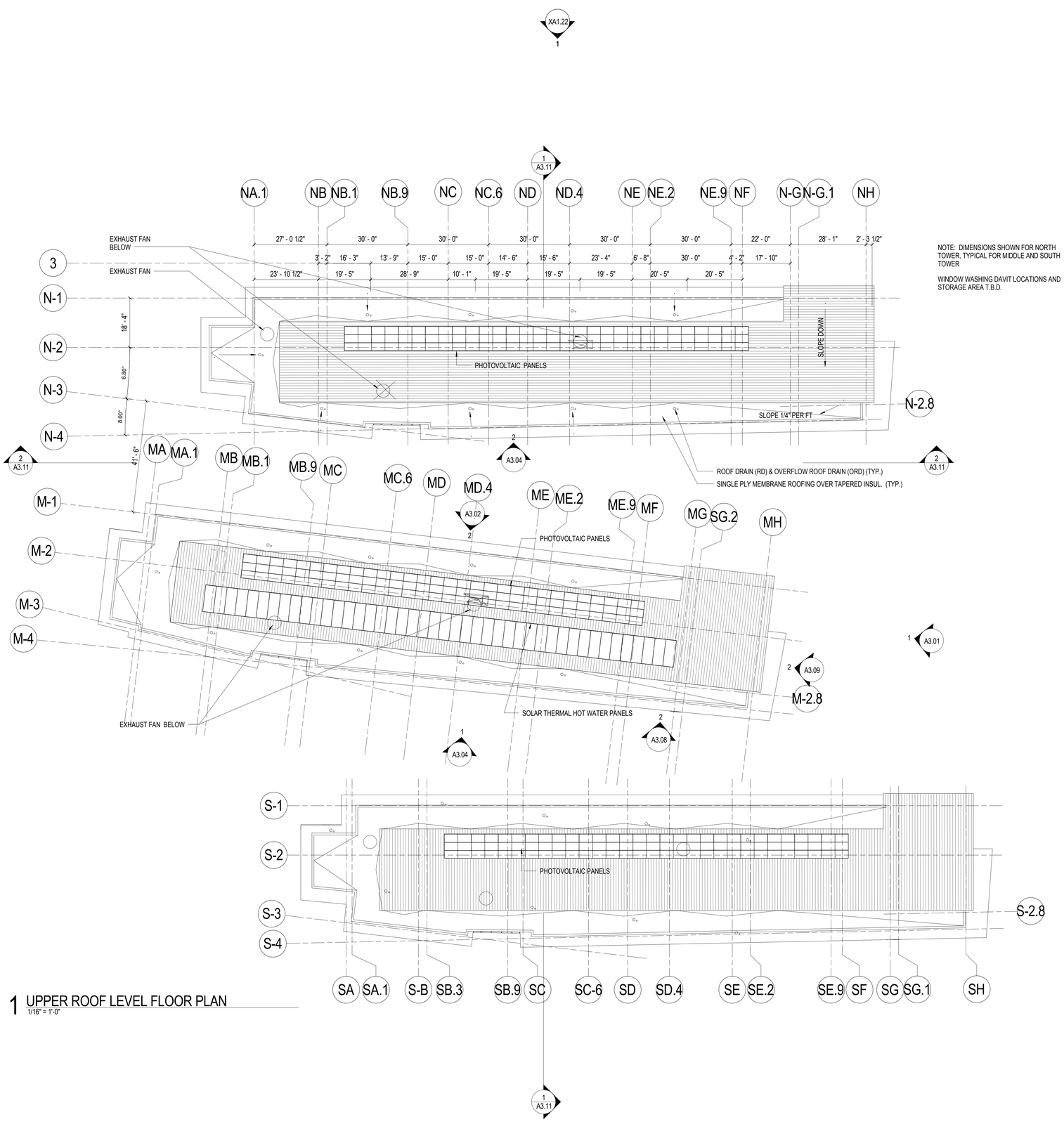
TITLE
LEVEL 6 FLOOR PLAN

PROJECT NO.
13292.00
DATE
MAY 30, 2014

SHEET NUMBER
A2.05
DESIGN DEVELOPMENT

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ORIGINAL SHEET SIZE 30" x 42"



NOTE: DIMENSIONS SHOWN FOR NORTH TOWER, TYPICAL FOR MIDDLE AND SOUTH TOWER

WINDOW WASHING DAVIT LOCATIONS AND STORAGE AREA T.B.D.

1 UPPER ROOF LEVEL FLOOR PLAN
1/16" = 1'-0"

0' 4' 8' 16'

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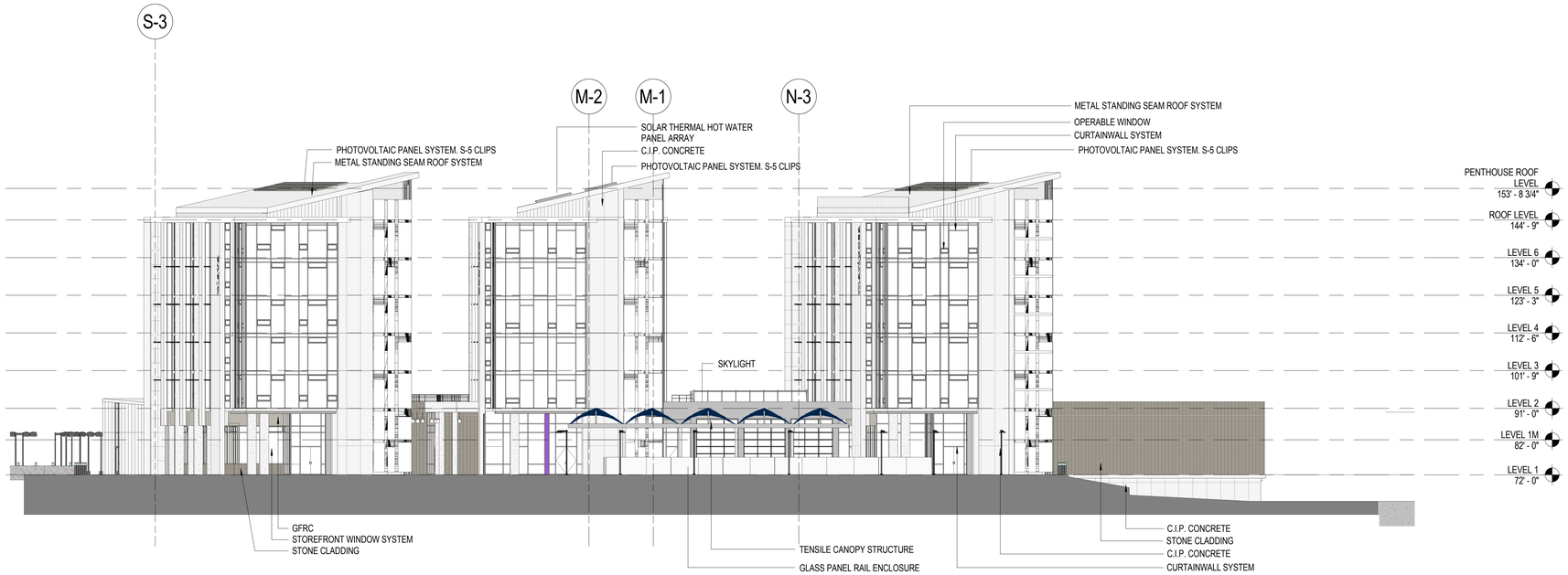
TITLE
ROOF PLAN

PROJECT NO.
13292.00
DATE
MAY 30, 2014

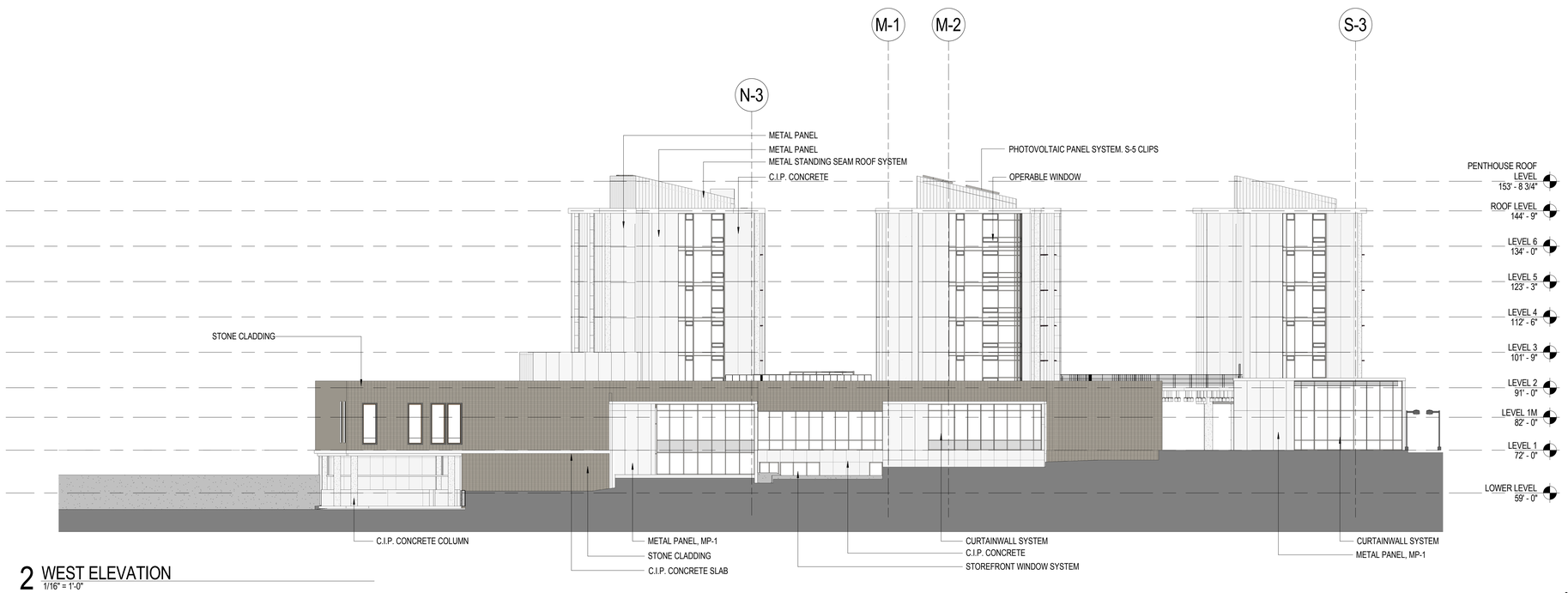
SHEET NUMBER
A2.06
DESIGN DEVELOPMENT

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1 OVERALL ELEVATION EAST
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2 WEST ELEVATION
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0' 4' 8' 16'

ORIGINAL SHEET SIZE 36" x 42"

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PREPARED FOR

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University of California, Irvine

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UCI PROJECT NO.
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KEYMAP

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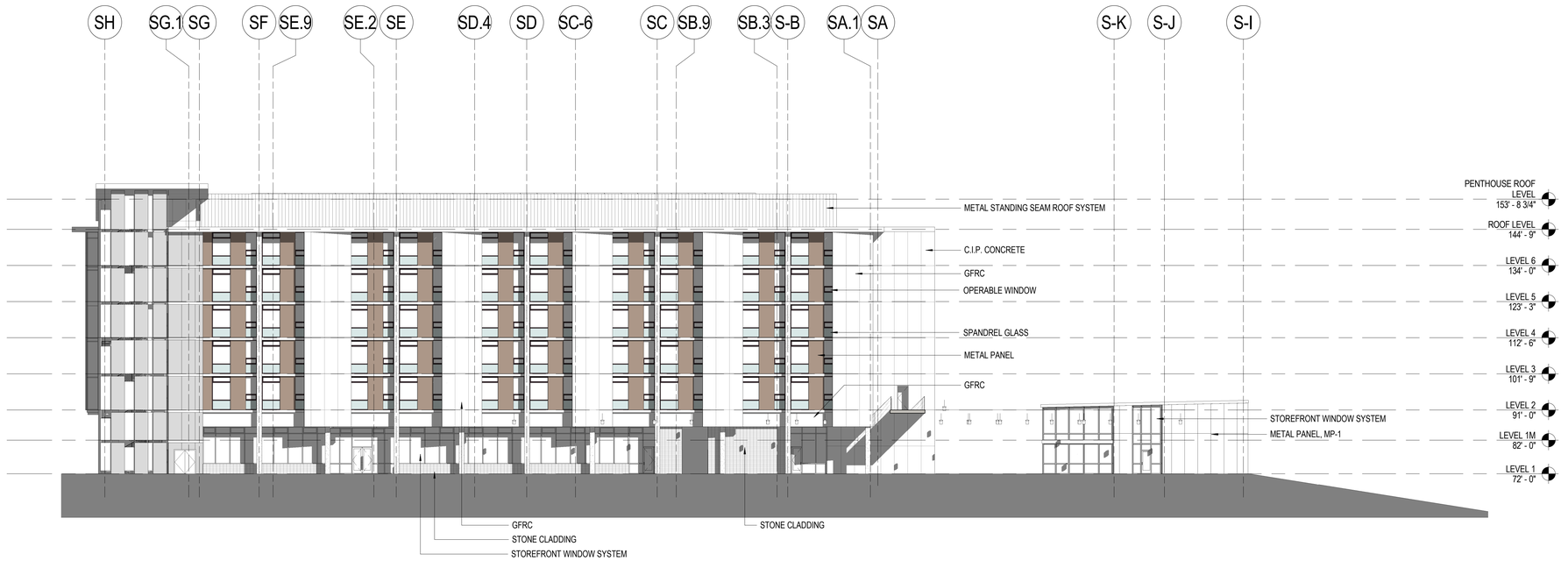
ARCHITECT SEAL

TITLE
OVERALL ELEVATIONS

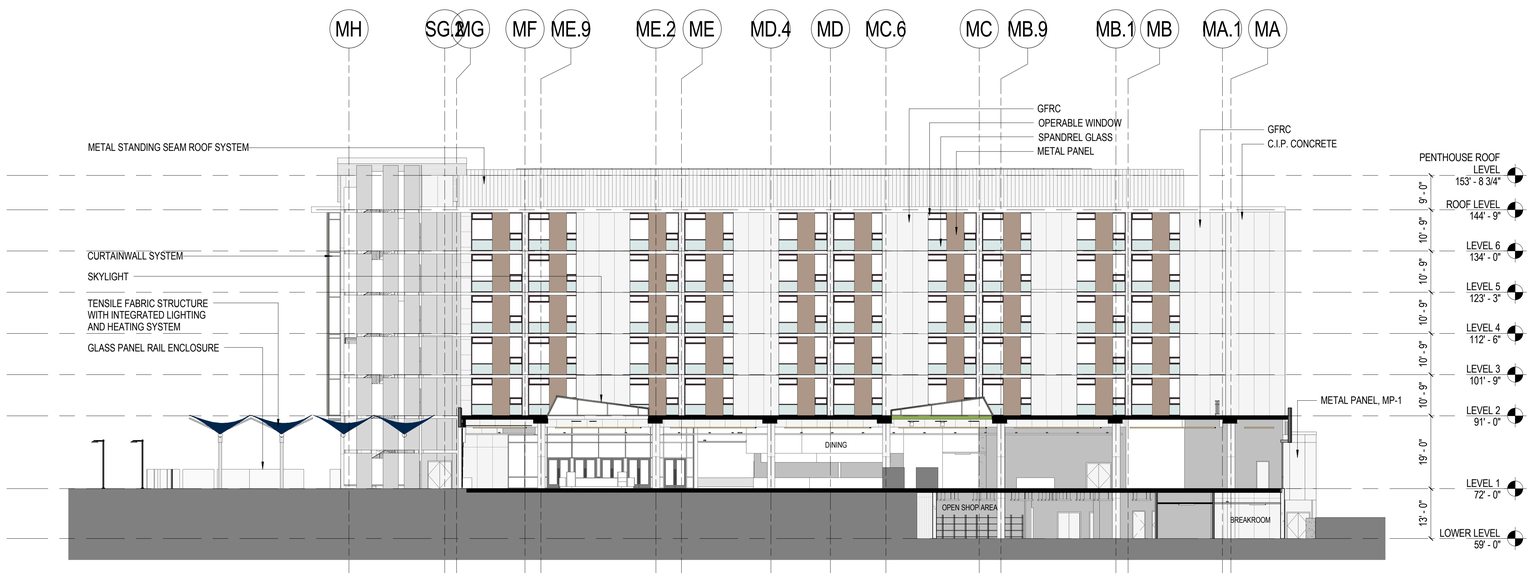
PROJECT NO.
13292.00
DATE
MAY 30, 2014

SHEET NUMBER
A3.01
DESIGN DEVELOPMENT

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1 NORTH ELEVATION SOUTH TOWER
1/16" = 1'-0"



2 OVERALL ELEVATION - NORTH AT SKYLIGHT
1/16" = 1'-0"

0' 4' 8' 16'

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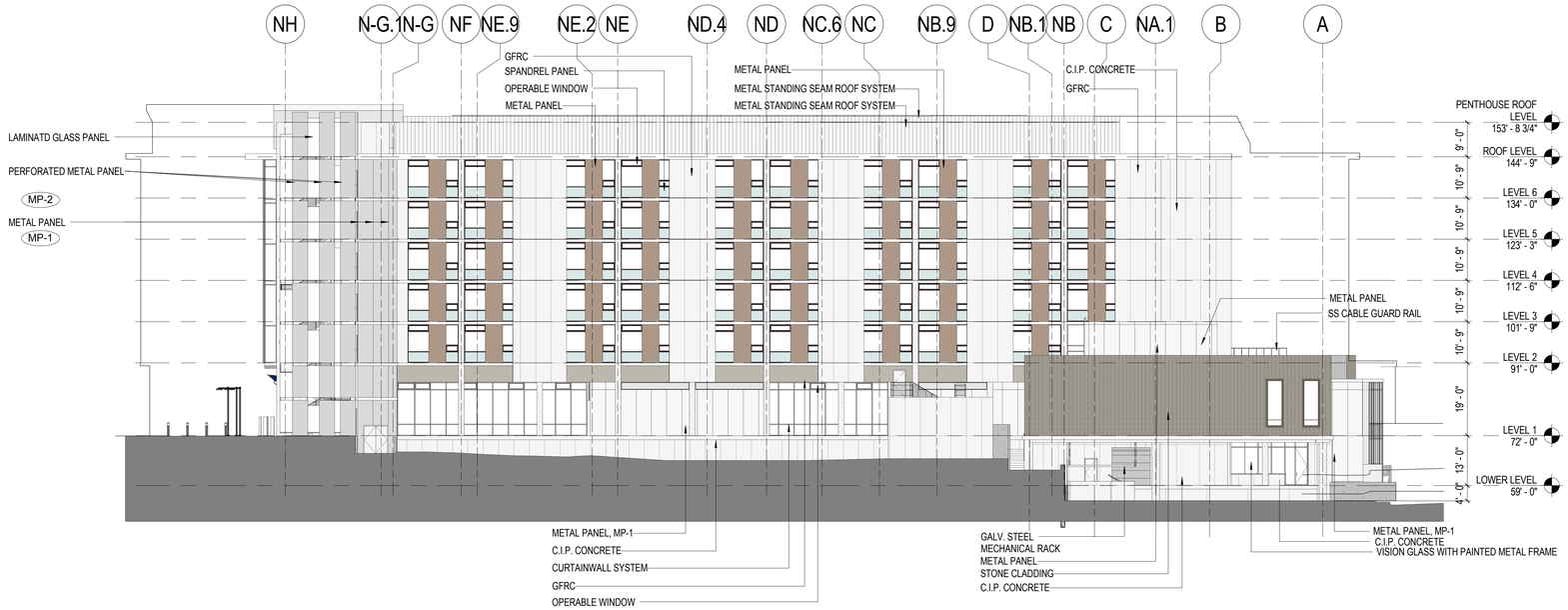
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ARCHITECT SEAL

TITLE
OVERALL ELEVATIONS NORTH
PROJECT NO.
13292.00
DATE
MAY 30, 2014

SHEET NUMBER
A3.02
DESIGN DEVELOPMENT
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ORIGINAL SHEET SIZE 30" x 42"



1 OVERALL ELEVATION NORTH
1/16" = 1'-0"



2 SOUTH ELEVATION SOUTH TOWER
1/16" = 1'-0"

0' 4' 8' 16'

ORIGINAL SHEET SIZE 36" x 42"

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PREPARED FOR
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University of California, Irvine
Design & Construction Services
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UCI PROJECT NO.
996296

KEYMAP

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PROJECT TEAM MEMBERS
MD, AO, ZJ, CH, SG, EM, KP
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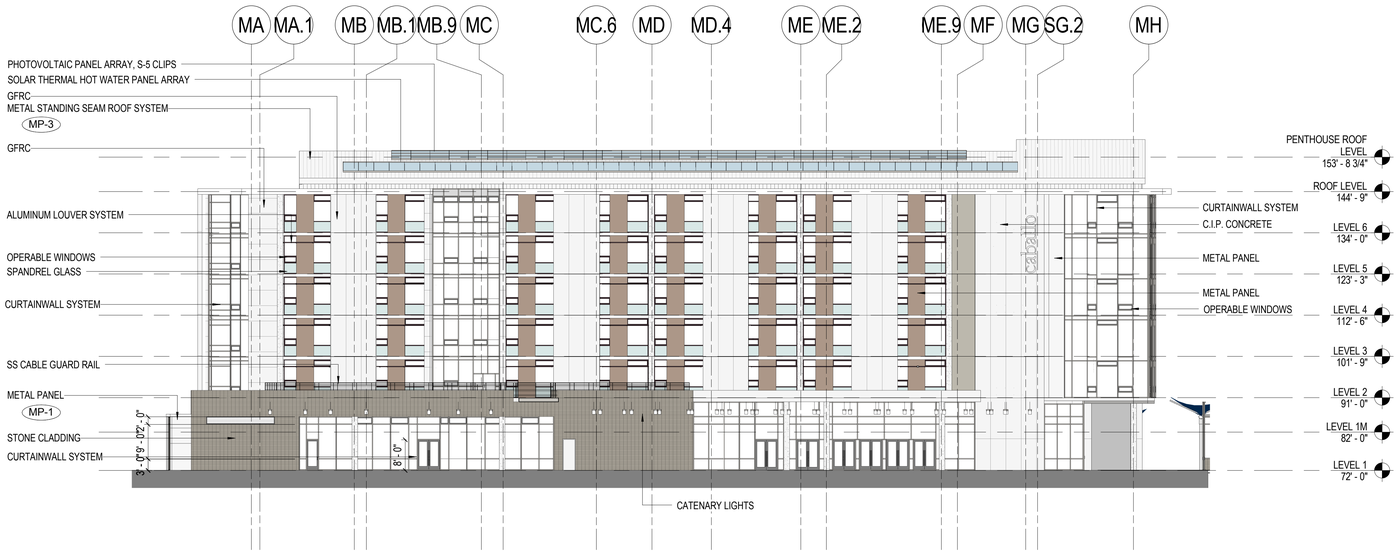
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TITLE
OVERALL ELEVATIONS NORTH/SOUTH

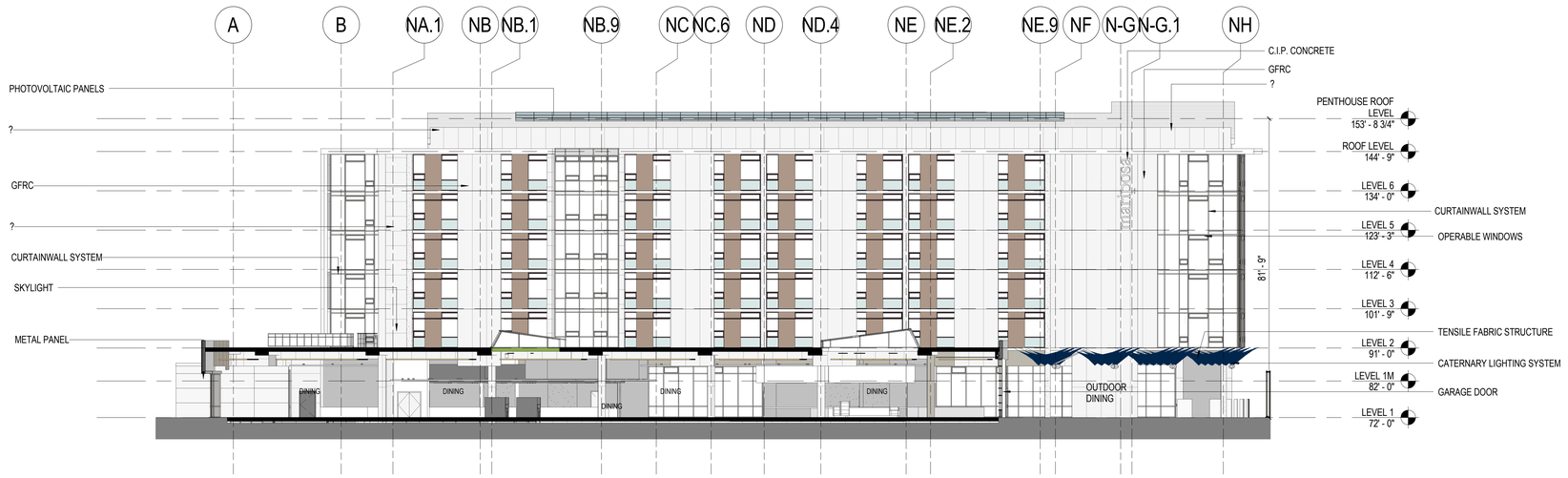
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SHEET NUMBER
A3.03
DESIGN DEVELOPMENT

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1 OVERALL ELEVATION - SOUTH AT MAIN STREET
1/16" = 1'-0"



2 OVERALL ELEVATION - SOUTH AT SKYLIGHT
1/16" = 1'-0"

0' 4' 8' 16'

ORIGINAL SHEET SIZE 36" x 42"

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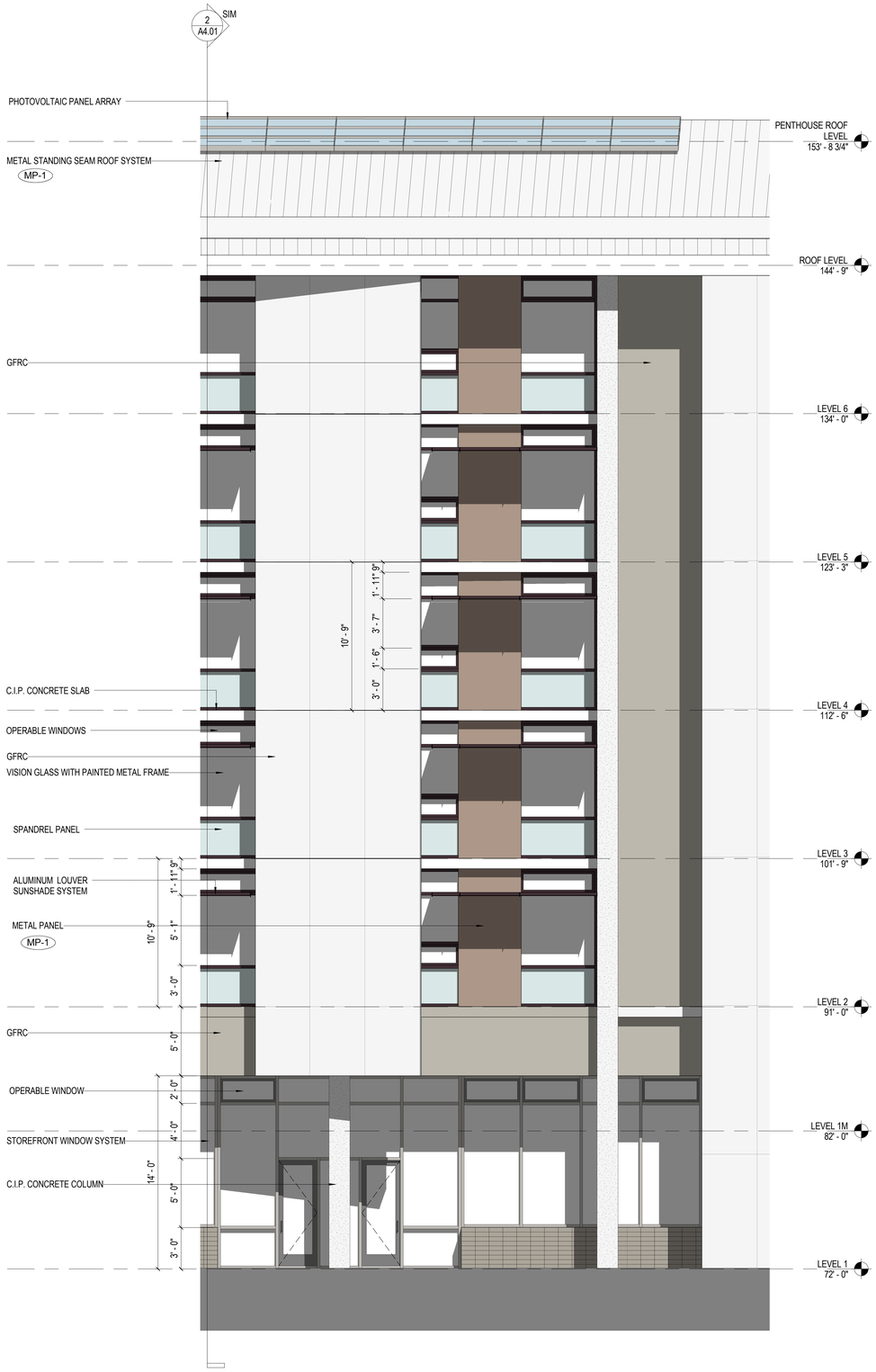
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TITLE
OVERALL ELEVATIONS SOUTH
PROJECT NO.
13292.00
DATE
MAY 30, 2014

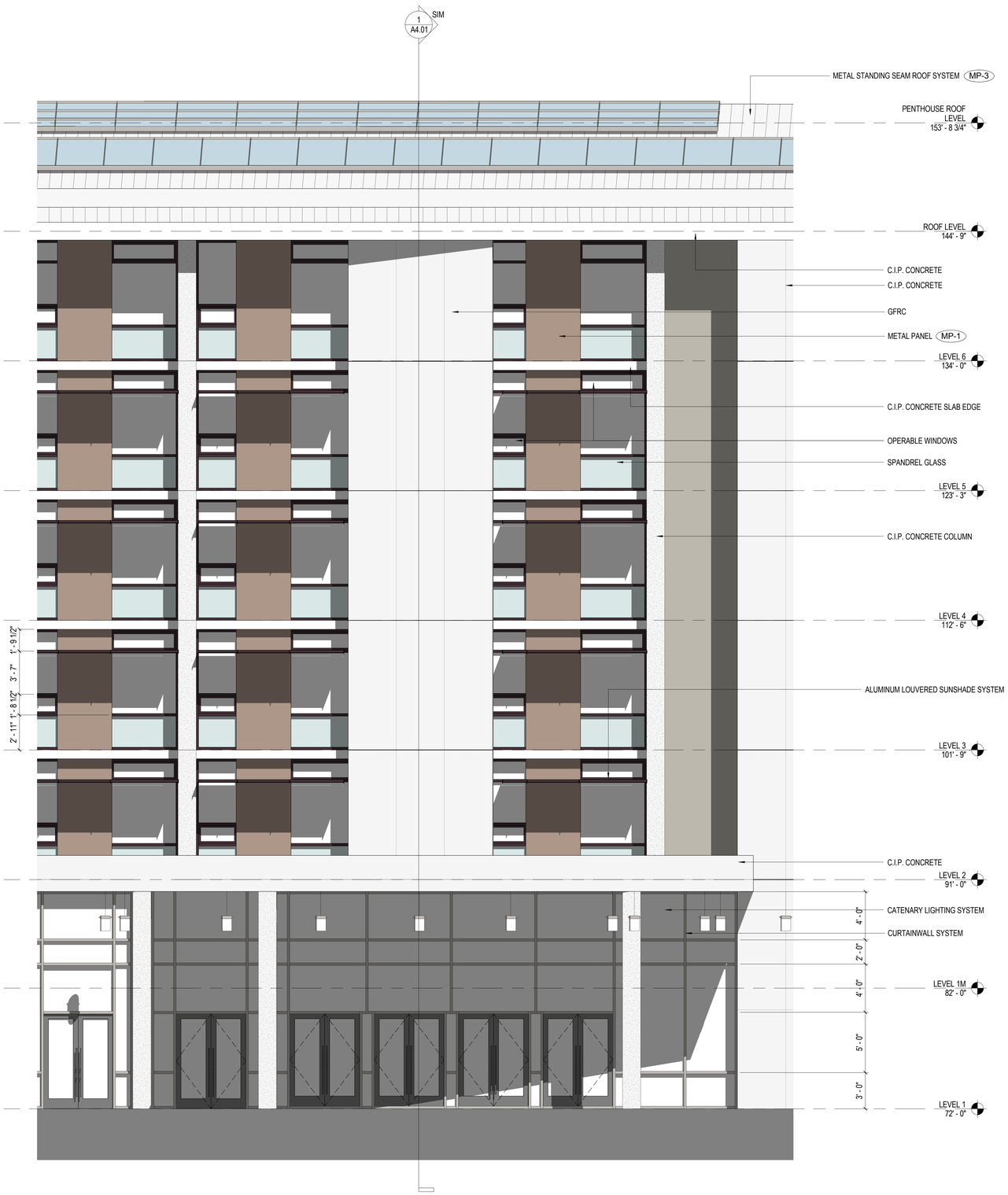
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1 ENLARGED - SOUTH ELEVATION AT REC CENTER1
1/4" = 1'-0"



2 ENLARGED - SOUTH ELEVATION DINING ENTRY
1/4" = 1'-0"

0' 1' 2' 4'

ORIGINAL SHEET SIZE 30" x 42"

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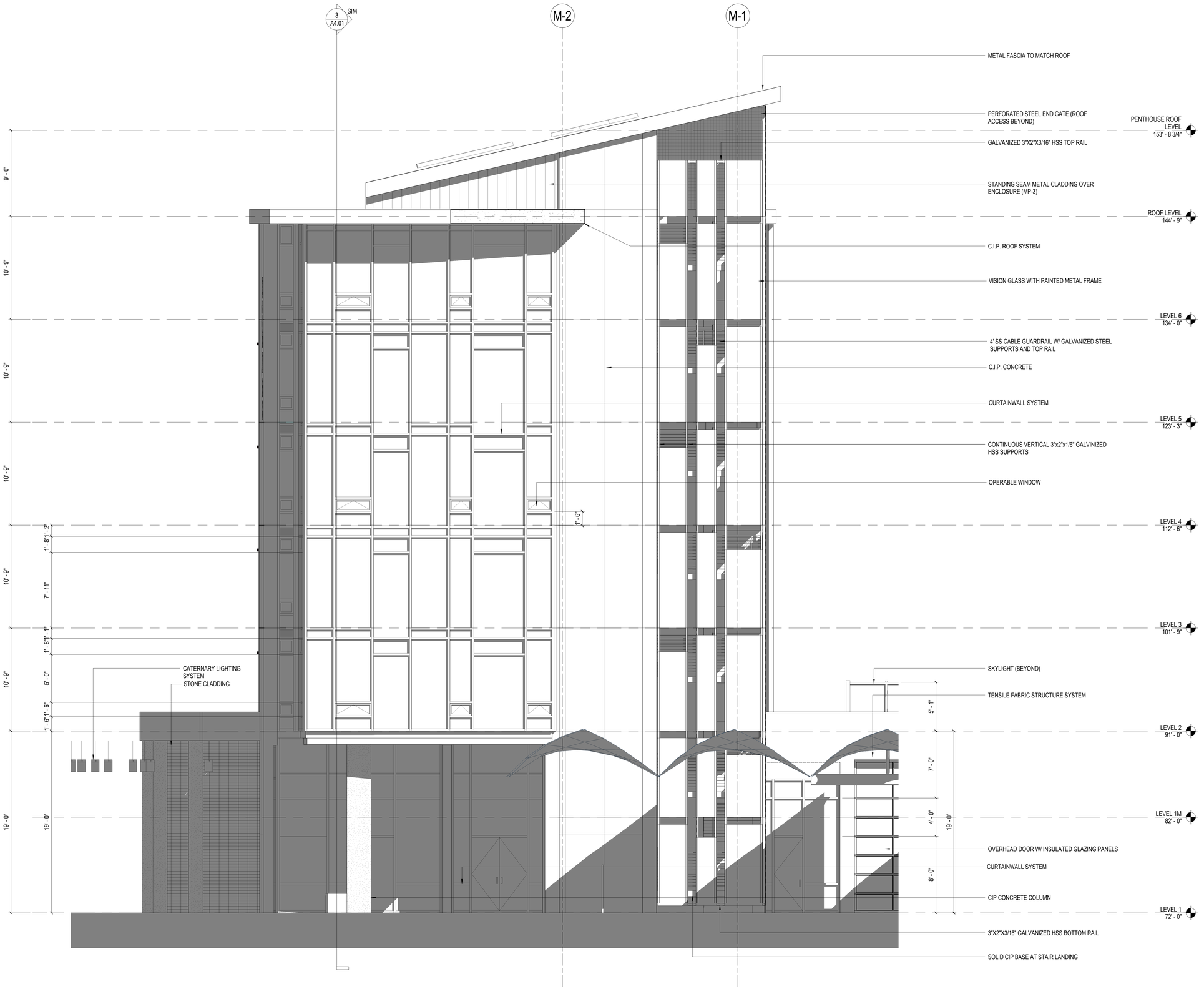
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ARCHITECT SEAL

TITLE
BUILDING ELEVATIONS - ENLARGED
PROJECT NO.
13292.00
DATE
MAY 30, 2014

SHEET NUMBER
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2 ENLARGED - EAST ELEVATION AT ENTRY
1/4" = 1'-0"

0' 1' 2' 4'

ORIGINAL SHEET SIZE 30" x 42"

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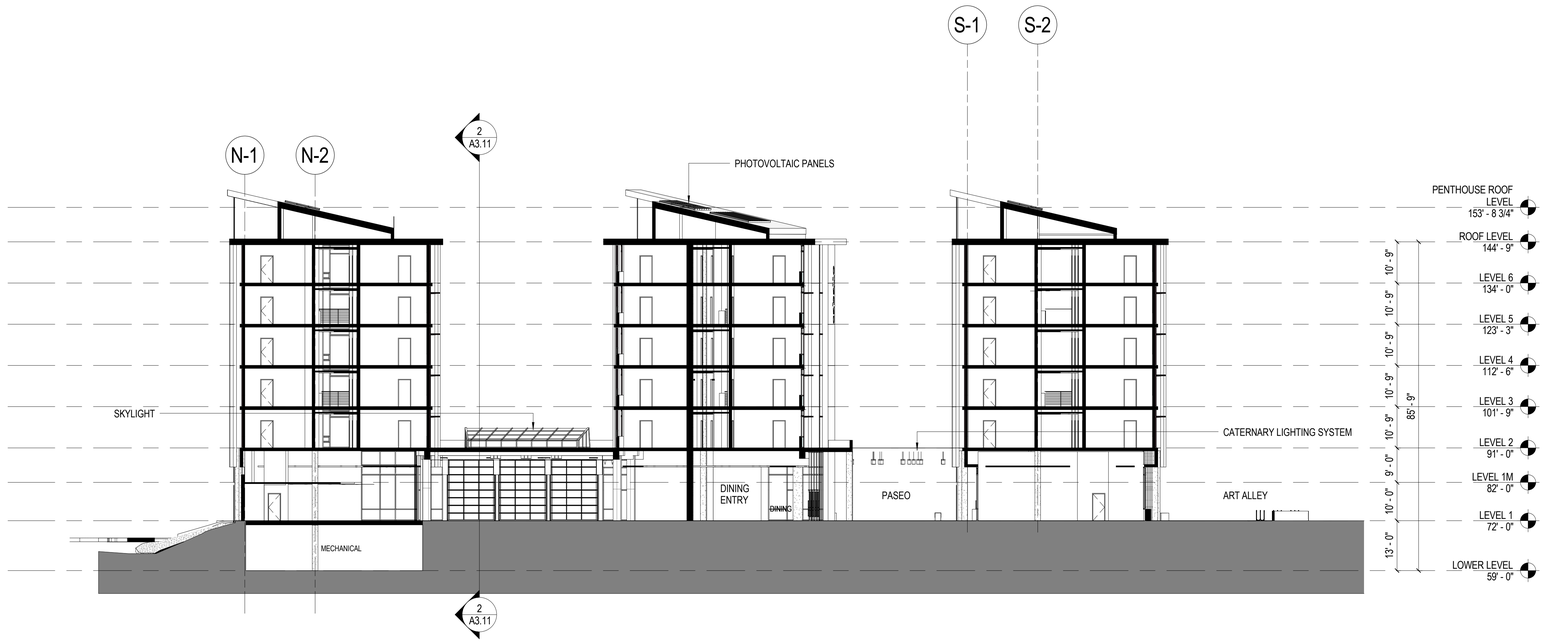
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BUILDING ELEVATIONS - ENLARGED

PROJECT NO.
13292.00
DATE
MAY 30, 2014

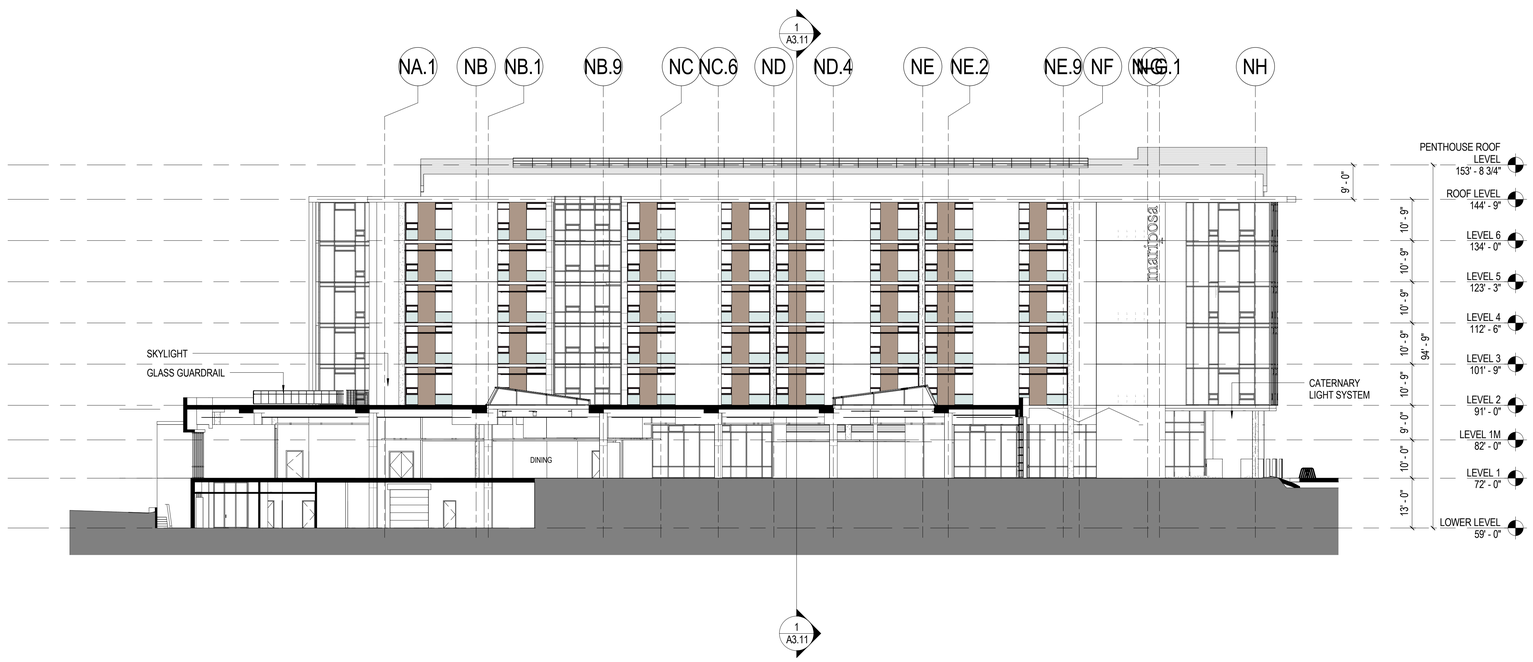
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1 BUILDING SECTION - NORTH SOUTH A
1/16" = 1'-0"



2 BUILDING SECTION - EAST WEST - A
1/16" = 1'-0"

0' 4' 8' 16'

ORIGINAL SHEET SIZE 36" x 42"

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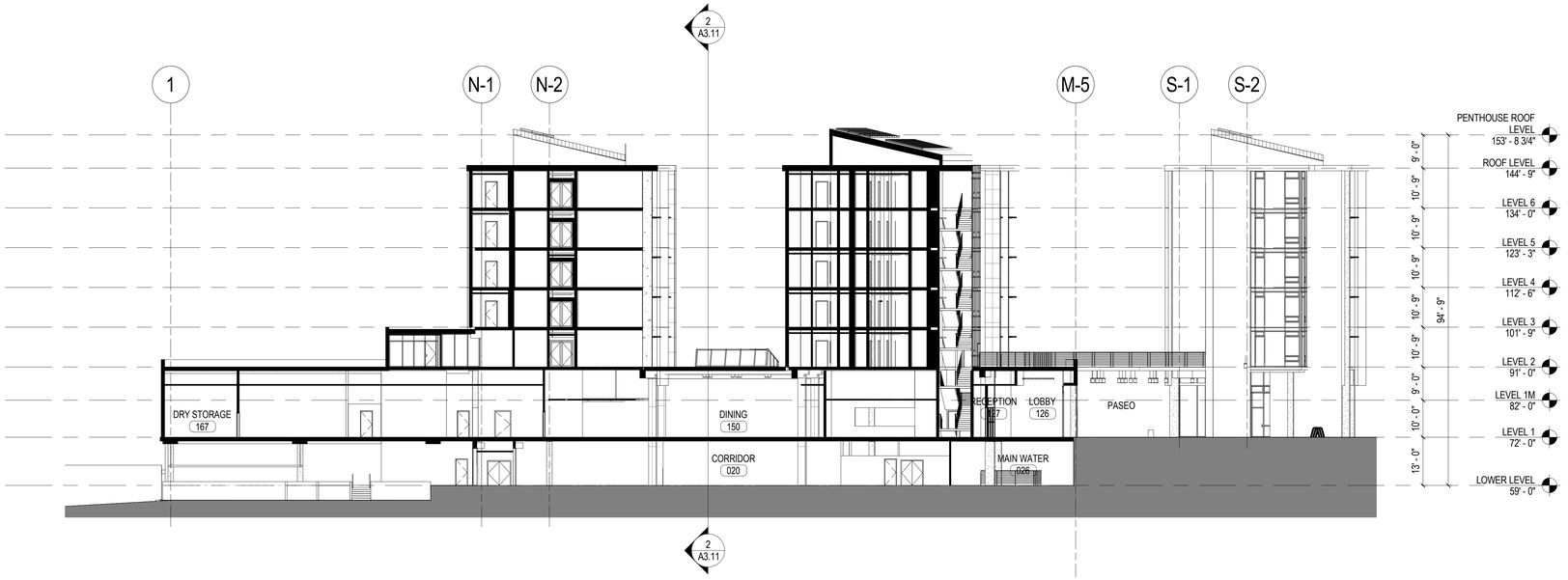
ARCHITECT SEAL

TITLE
BUILDING SECTIONS

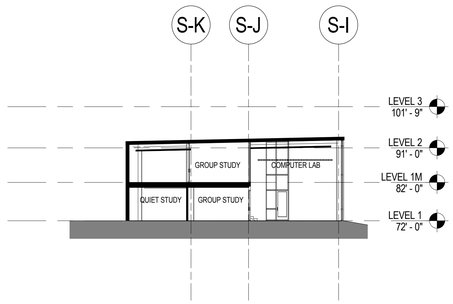
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1 BUILDING SECTION - NORTH SOUTH B
1/16" = 1'-0"



2 BUILDING SECTION - MEZZANINE
1/16" = 1'-0"

0' 4' 8' 16'

ORIGINAL SHEET SIZE 36" x 42"

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996296

KEYMAP

NO.	DATE	REVISION

PROJECT DIRECTOR
BL
PROJECT MANAGER
BL
PROJECT ARCHITECT
TN
PROJECT TEAM MEMBERS
MD, AO, ZJ, CH, SG, EM, KP
CHECK
KB

ARCHITECT SEAL

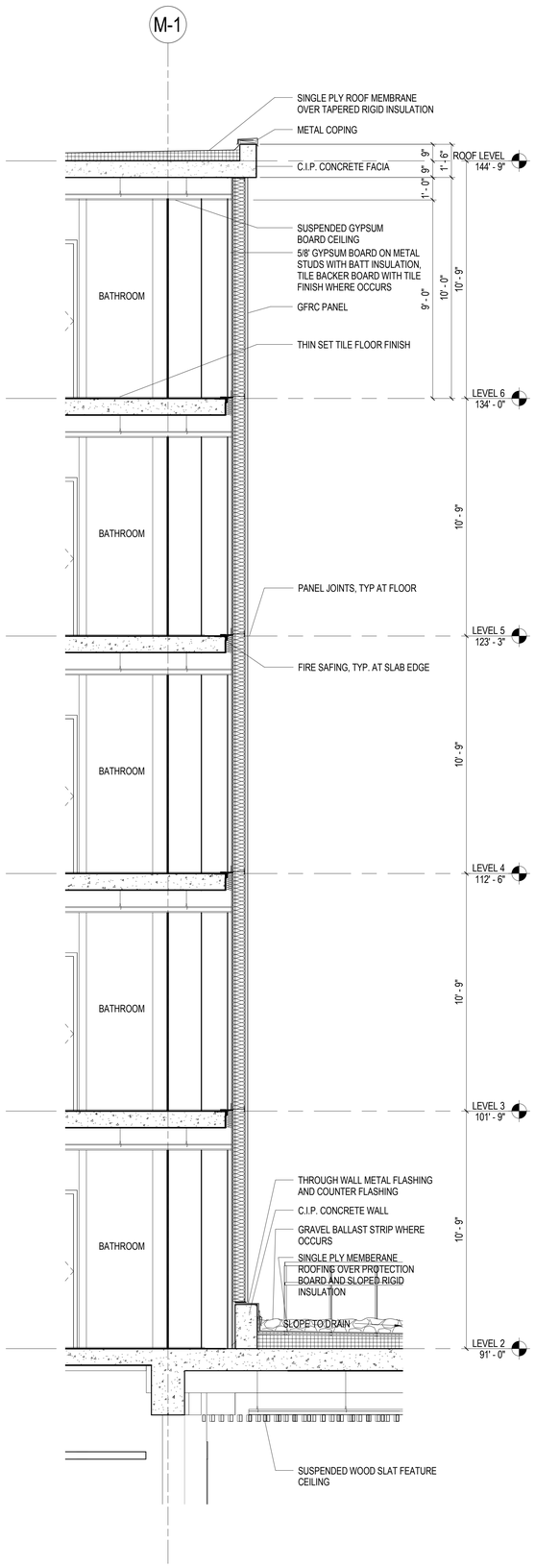
TITLE
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PROJECT NO.
13292.00
DATE
MAY 30, 2014

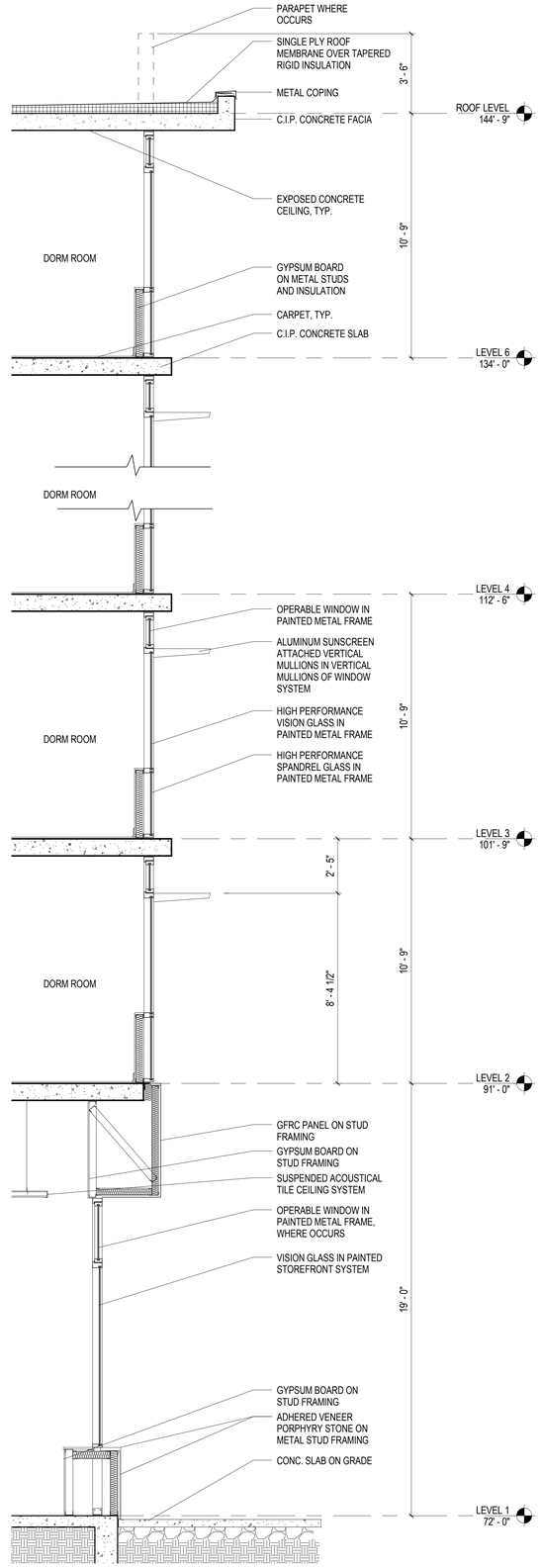
SHEET NUMBER
A3.12
DESIGN DEVELOPMENT

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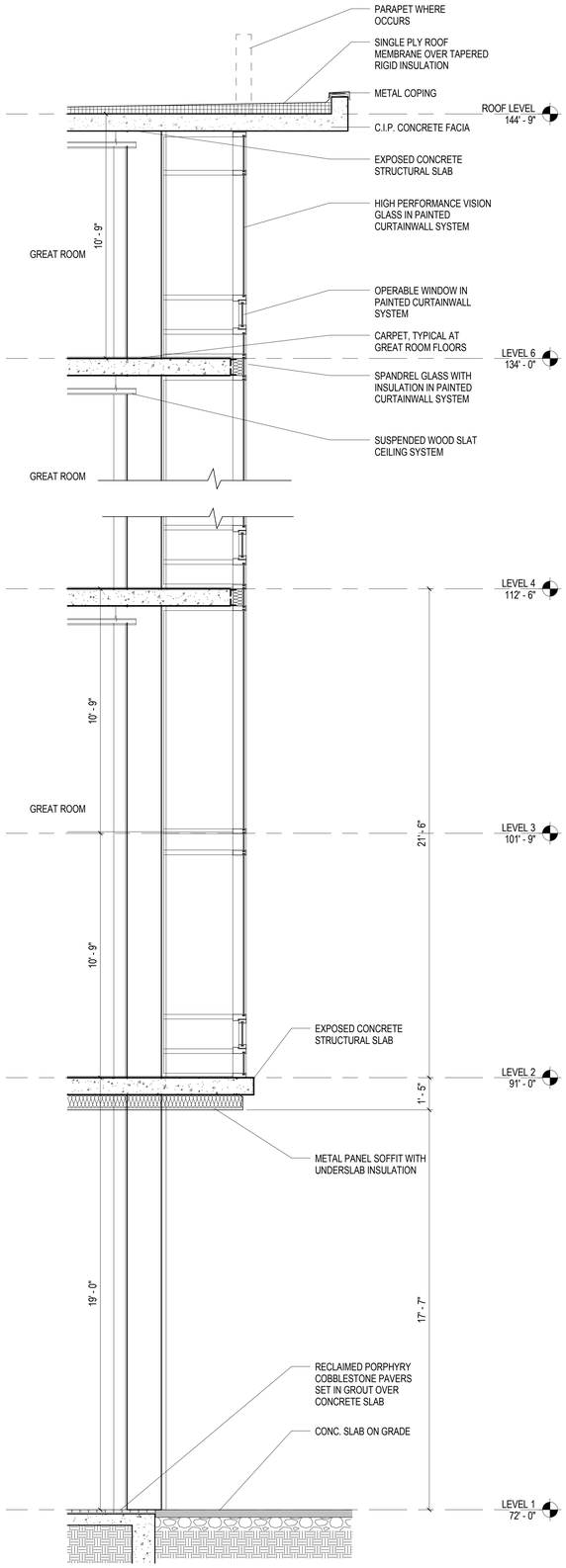
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1 WALL SECTION - 1
3/8" = 1'-0"



2 WALL SECTION - 2
3/8" = 1'-0"



3 WALL SECTION - 4
3/8" = 1'-0"

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ORIGINAL SHEET SIZE 30" x 42"

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(949) . 852 . 0111

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PROJECT
MESA COURT EXPANSION

LOCATION
IRVINE, CA

PREPARED FOR
UCI
University of California, Irvine
Design & Construction Services
5201 California Ave Suite 250
Irvine, CA 92697

UCI PROJECT NO.
996296

KEYMAP

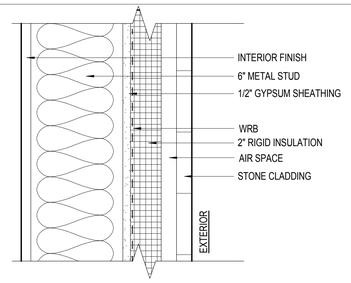
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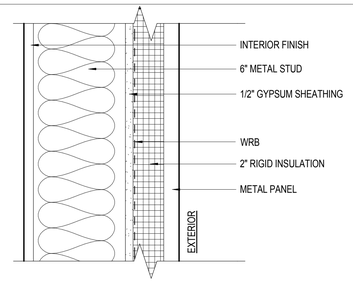
TITLE
WALL SECTIONS & DETAILS
PROJECT NO
13292.00
DATE
MAY 30, 2014

SHEET NUMBER
A4.01
DESIGN DEVELOPMENT
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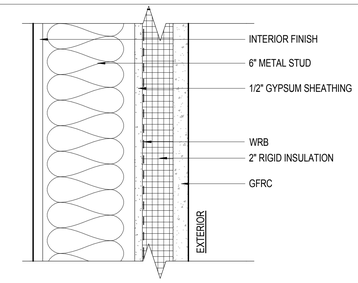
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UL/GA			
R-VAL			
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W 1 STONE CLADDING



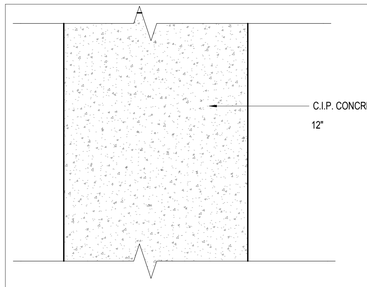
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U-VAL			
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W 2 METAL PANEL



RATING:		MODIFIER:	
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R-VAL			
U-VAL			
STC			
TEST			

W 3 GFRC



RATING:		MODIFIER:	
FIRE		A	18" CONCRETE
UL/GA		B	24" CONCRETE
R-VAL			
U-VAL			
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W 4 C.I.P. CONCRETE

RATING:		MODIFIER:	
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UL/GA			
R-VAL			
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RATING:		MODIFIER:	
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RATING:		MODIFIER:	
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R — ASSEMBLY SYSTEM: R = ROOF / W = EXTERIOR WALL / F = FLOOR
12A — ASSEMBLY TYPE (WITH ALPHA MODIFIER IF INDICATED)

2. FIRE RATED ASSEMBLIES ARE BASED ON IBC, UL, OR US GYPSUM ASSOCIATION (GA) TEST DATA AND ARE TO BE CONSTRUCTED IN ACCORDANCE WITH THE REQUIREMENTS OF THE TESTING AGENCIES. REFER TO SPECIFIC TEST REPORTS INDICATED FOR REQUIRED COMPONENTS AND ASSEMBLY. CONTRACTOR SHALL PROVIDE (2) COPIES OF EACH REFERENCED MANUAL TO THE JOBSITE TO COORDINATE FIRE RESISTIVE ATTACHMENT WITH SHEAR CONNECTORS AND SOUND RATED ASSEMBLIES. GA 600 MANUAL IS ACCEPTED BY 2009 IBC TABLE 720.1(2) NOTE O FOR NON-PROPRIETARY ASSEMBLIES.

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4. ALL PENETRATIONS IN FIRE RATED ASSEMBLIES REQUIRED TO HAVE PROTECTED OPENINGS SHALL BE FIRESTOPPED OR PROVIDED WITH APPROVED SMOKE AND/OR FIRE DAMPERS PER CODE REQUIREMENTS.

5. PROVIDE THRU-PENETRATION FIRESTOP SYSTEMS FOR RATED ROOFS, WALLS, AND FLOORS THAT ARE PRODUCED AND INSTALLED TO RESIST THE SPREAD OF FIRE ACCORDING TO REQUIREMENTS INDICATED, RESIST PASSAGE OF SMOKE AND OTHER GASES, AND MAINTAIN ORIGINAL FIRE-RESISTANCE RATING OF THE ASSEMBLY PENETRATED.

6. FIRE RATED WALLS MAY HAVE OPENINGS FOR STEEL ELECTRICAL BOXES NOT TO EXCEED 16 SQUARE INCHES PROVIDED THE AGGREGATE AREA OF ALL BOXES DOES NOT EXCEED 100 SQUARE INCHES FOR ANY 100 SQUARE FEET OF PARTITION.

7. ALL GYPSUM BOARD SHALL BE TYPE "X" UNLESS NOTED OTHERWISE.

8. SUBSTITUTE TYPE "X" MOLD AND WATER RESISTANT GYPSUM BOARD AT TOILET, SHOWER, JANITOR, AND KITCHEN ROOMS, KITCHENETTE, AND SIMILAR "WET" USES.

9. PROVIDE TILE BACKER BOARD AT TILE FINISHES. DO NOT REDUCE REQUIRED FIRE-RESISTANCE RATING OF WALL ASSEMBLY.

10. PROVIDE BLOCKING AT THE FOLLOWING LOCATIONS: CASEWORK, SHELVING, AND PANELING; ACCESSORIES AND EQUIPMENT; DOOR HARDWARE; TOILET PARTITIONS AND ACCESSORIES; ACOUSTICAL PANELS; AND OTHER LOCATIONS WHERE REQUIRED PER MANUFACTURER'S RECOMMENDATIONS OR INDUSTRY STANDARDS.

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A. AT INTERCONNECTIONS OF CONCEALED SOFFITS, DROPPED CEILINGS AND COVES
B. IN OPENINGS AROUND VENTS, PIPES, DUCTS AT CEILING / FLOOR LEVELS.
C. AT OPENINGS BETWEEN ATTIC SPACES AND MANUFACTURED CHIMNEY CHASES.

12. TJI JOISTS ARE BY TRUS-JOIST MACMILLAN CORP., BOISE IDAHO 83707. SUBSTITUTIONS MUST PROVIDE EQUIVALENT FIRE TESTED ASSEMBLIES WITH EQUAL OR BETTER ACOUSTICAL PERFORMANCE.

13. FOR PROPERTIES OF COOLER OR WALLBOARD NAILS, SEE ASTM C 514, ASTM C 547 OR ASTM F 1667.

14. THESE DETAILS REPRESENT MINIMUM ARCHITECTURAL REQUIREMENTS. IN SOME CASES THE STRUCTURAL DRAWINGS WILL DETERMINE THE ACTUAL DIMENSIONS AND CONNECTION METHODS, AND IN THOSE CASES WILL GOVERN. COORDINATE BETWEEN SCOPE SHOWN BY THE STRUCTURAL DRAWINGS AND INDICATED MINIMUM ARCHITECTURAL ASSEMBLIES.

15. DRAFTSTOPPING IS NOT REQUIRED IN FLOOR/CEILING SPACES PER IBC SECTION 717.3.2, EXCEPTION 1. THE BUILDING WILL BE EQUIPPED THROUGHOUT WITH AN AUTOMATIC SPRINKLER SYSTEM IN ACCORDANCE WITH SECTION 903.3.1.1 (NFPA 13).

16. DRAFTSTOPPING IN ATTICS IS NOT REQUIRED PER IBC SECTION 717.4.2, EXCEPTION 2. THE BUILDING WILL BE EQUIPPED THROUGHOUT WITH AN AUTOMATIC SPRINKLER SYSTEM IN ACCORDANCE WITH SECTION 903.3.1.1 (NFPA 13).

17. AIR BARRIER: SEAL PLYWOOD AND GYPSUM SHEATHING JOINTS AND PENETRATIONS.

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LOCATION
IRVINE, CA

PREPARED FOR
UCI
University of California, Irvine
Design & Construction Services
5201 California Ave Suite 250
Irvine, CA 92697

UCI PROJECT NO.
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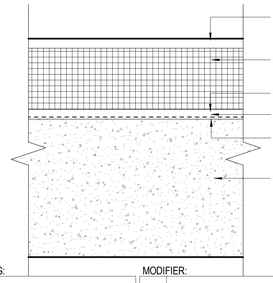
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EXTERIOR WALL ASSEMBLIES
PROJECT NO.
13292.00
DATE
MAY 30, 2014

SHEET NUMBER
A5.01
DESIGN DEVELOPMENT

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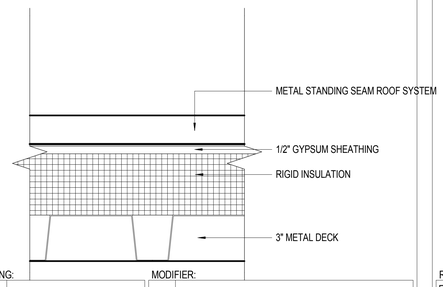
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RATING:	MODIFIER:
FIRE	
UL/GA	
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R 1 CONCRETE ROOF



RATING:	MODIFIER:
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R 2 METAL ROOF

RATING:	MODIFIER:
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PROJECT
MESA COURT EXPANSION

LOCATION
IRVINE, CA

PREPARED FOR
UCI
University of California, Irvine
Design & Construction Services
5201 California Ave Suite 250
Irvine, CA 92697

UCI PROJECT NO.
996296

KEYMAP

NO. DATE REVISION

PROJECT DIRECTOR
BL
PROJECT MANAGER
BL
PROJECT ARCHITECT
TN
PROJECT TEAM MEMBERS
MD, AO, ZJ, CH, SG, EM, KP
CHECK
KB

ARCHITECT SEAL

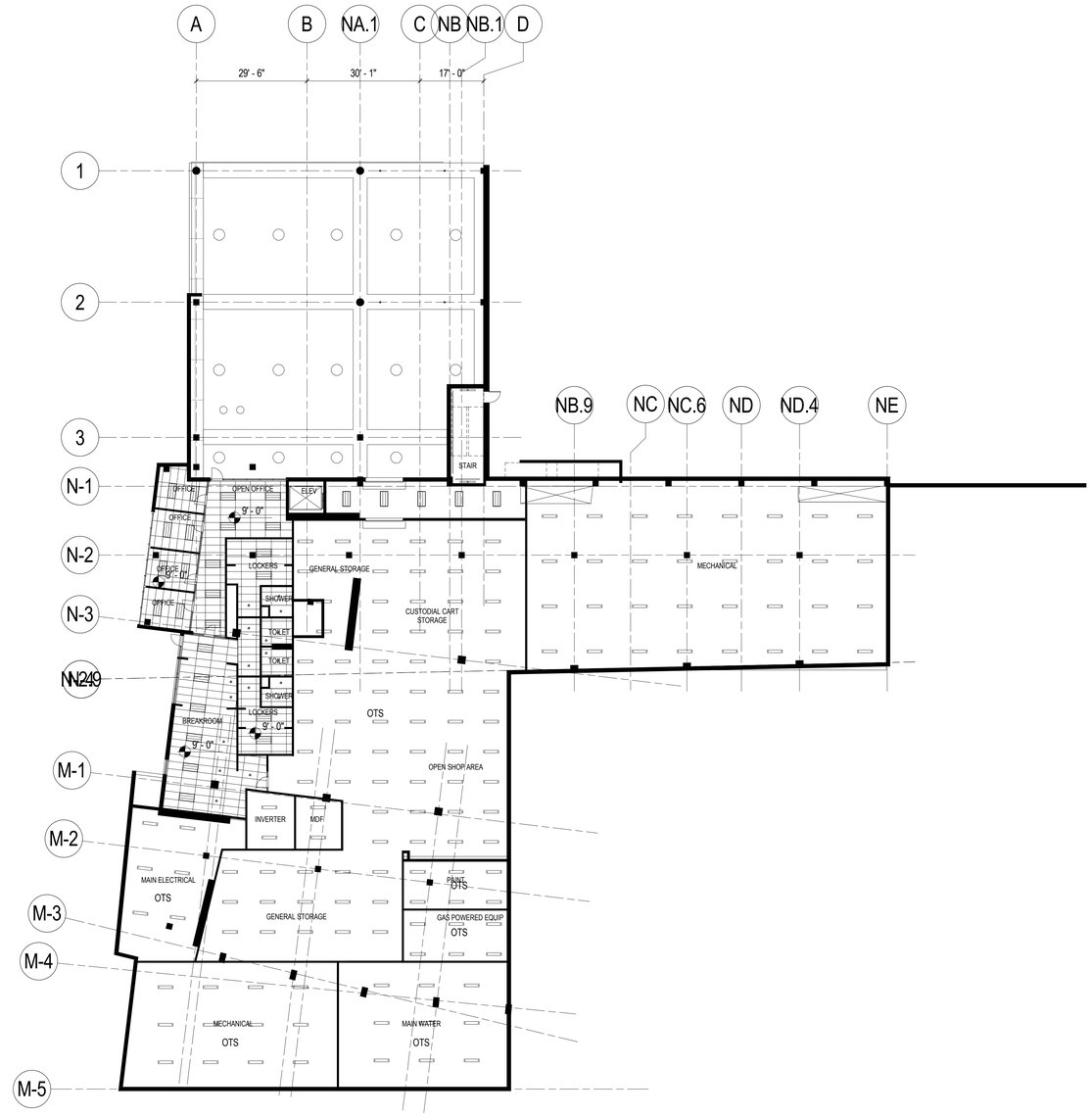
TITLE
ROOF AND FLOOR ASSEMBLIES
PROJECT NO.
13292.00
DATE
MAY 30, 2014

SHEET NUMBER
A5.02
DESIGN DEVELOPMENT

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ORIGINAL SHEET SIZE 30" x 42"

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1 LOWER LEVEL REFLECTED CEILING PLAN
1/16" = 1'-0"

CEILING LEGEND

- GYPUSM WALL BOARD
- LINEAR WOOD CEILING
- EXPOSED STRUCTURE
- 2x4 ACT
- 1x4 ACT
- 2x8 ACT
- RADIANT PANEL
- RECESSED FLOURESCENT
- SUSPENDED FLOURESCENT
- SQUARE LENS WALL WASH LED
- LINEAR ACRYLIC WRAPAROUND
- SUSPENDED LINEAR LED
- STICK PERFORATED DIFFUSER
- PENDANT
- WALL WASHER
- CATENARY LIGHTING
- SPECIAL LIGHTING

0' 4' 8' 16'

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PROJECT
MESA COURT EXPANSION

LOCATION
IRVINE, CA

PREPARED FOR
UCI
University of California, Irvine
Design & Construction Services
5201 California Ave Suite 250
Irvine, CA 92697

UCI PROJECT NO.
996296

KEYMAP

NO.	DATE	REVISION

PROJECT DIRECTOR
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BL
PROJECT ARCHITECT
TN
PROJECT TEAM MEMBERS
MD, AO, ZJ, CH, SG, EM, KP
CHECK
KB

ARCHITECT SEAL

TITLE
LOWER LEVEL REFLECTED CEILING PLAN
13292.00
DATE
MAY 30, 2014

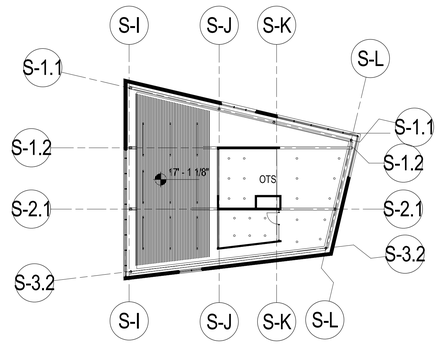
SHEET NUMBER
A7.00
DESIGN DEVELOPMENT
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ORIGINAL SHEET SIZE 30" x 42"



1 LEVEL 1 REFLECTED CEILING PLAN
1/16" = 1'-0"



2 LEVEL 1M REFLECTED CEILING PLAN
1/16" = 1'-0"

CEILING LEGEND

- GYPUSM WALL BOARD
- LINEAR WOOD CEILING
- EXPOSED STRUCTURE
- 2x4 ACT
- 1x4 ACT
- 2x8 ACT
- RADIANT PANEL
- RECESSED FLOURESCENT
- SUSPENDED FLOURESCENT
- SQUARE LENS WALL WASH LED
- LINEAR ACRYLIC WRAPAROUND
- SUSPENDED LINEAR LED
- STICK PERFORATED DIFFUSER
- PENDANT
- WALL WASHER
- CATENARY LIGHTING
- SPECIAL LIGHTING

0' 4' 8' 16'

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PROJECT
MESA COURT
EXPANSION

LOCATION
IRVINE, CA

PREPARED FOR
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Design & Construction
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UCI PROJECT NO.
996296

KEYMAP

NO.	DATE	REVISION

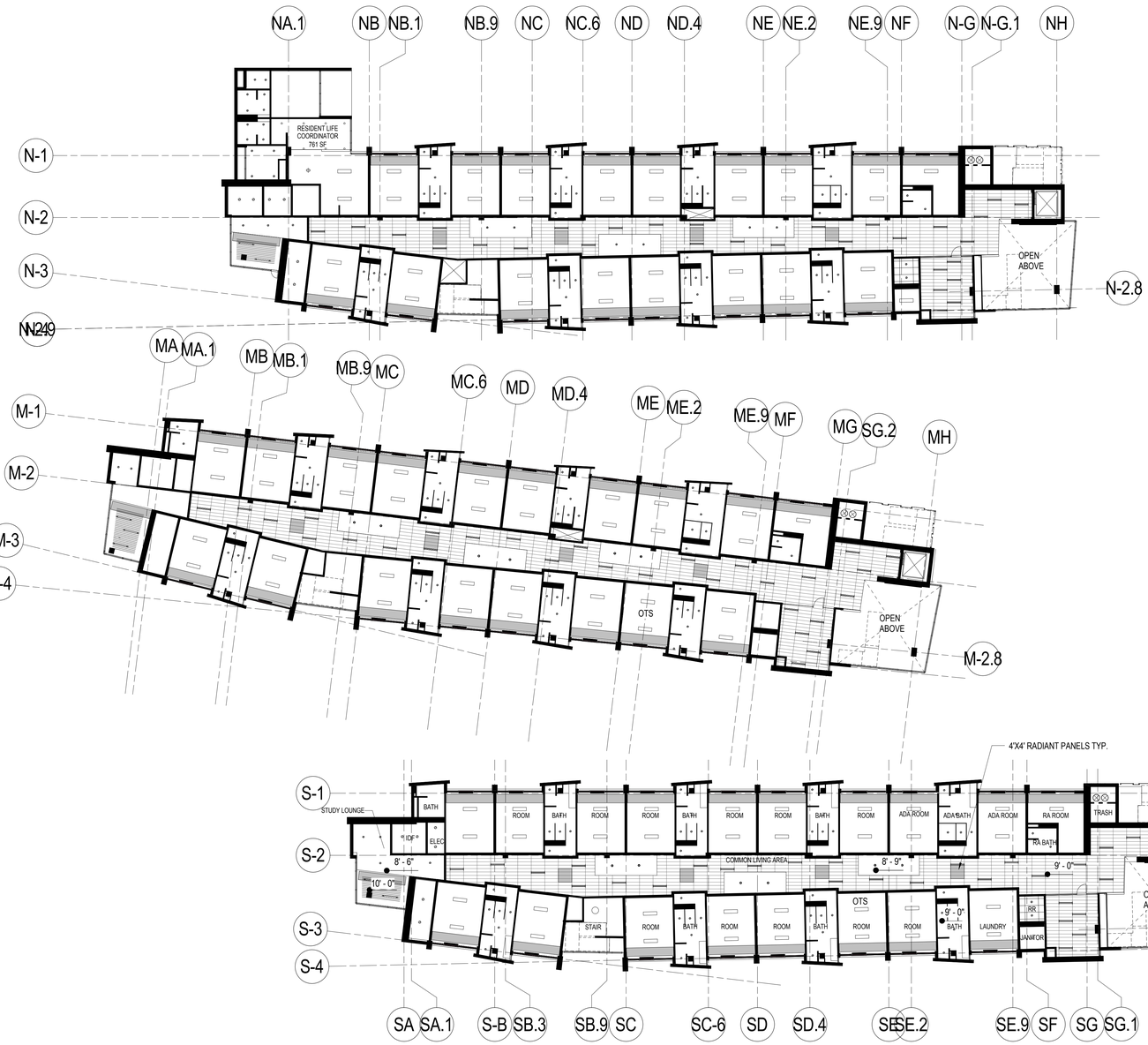
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PROJECT MANAGER
BL
PROJECT ARCHITECT
TN
PROJECT TEAM MEMBERS
MD, AO, ZJ, CH, SG, EM, KP
CHECK
KB

ARCHITECT SEAL

TITLE
LEVEL 1 REFLECTED CEILING PLAN
PROJECT NO.
13292.00
DATE
MAY 30, 2014

SHEET NUMBER
A7.01
DESIGN DEVELOPMENT
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ORIGINAL SHEET SIZE 30" x 42"



1 LEVEL 2 RCP - LEVEL 4 SIM.
1/16" = 1'-0"

CEILING LEGEND

- GYPUSM WALL BOARD
- LINEAR WOOD CEILING
- EXPOSED STRUCTURE
- 2x4 ACT
- 1x4 ACT
- 2x8 ACT
- RADIANT PANEL
- RECESSED FLOURESCENT
- SUSPENDED FLOURESCENT
- SQUARE LENS WALL WASH LED
- LINEAR ACRYLIC WRAPAROUND
- SUSPENDED LINEAR LED
- STICK PERFORATED DIFFUSER
- PENDANT
- WALL WASHER
- CATENARY LIGHTING
- SPECIAL LIGHTING

GENERAL NOTES:

1. SOUTH TOWER SHOWS LIGHTING LAYOUT TYPICAL TO NORTH AND MIDDLE TOWER

0' 4' 8' 16'

NOT FOR CONSTRUCTION

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PROJECT
MESA COURT EXPANSION

LOCATION
IRVINE, CA

PREPARED FOR
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5201 California Ave Suite 250
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UCI PROJECT NO.
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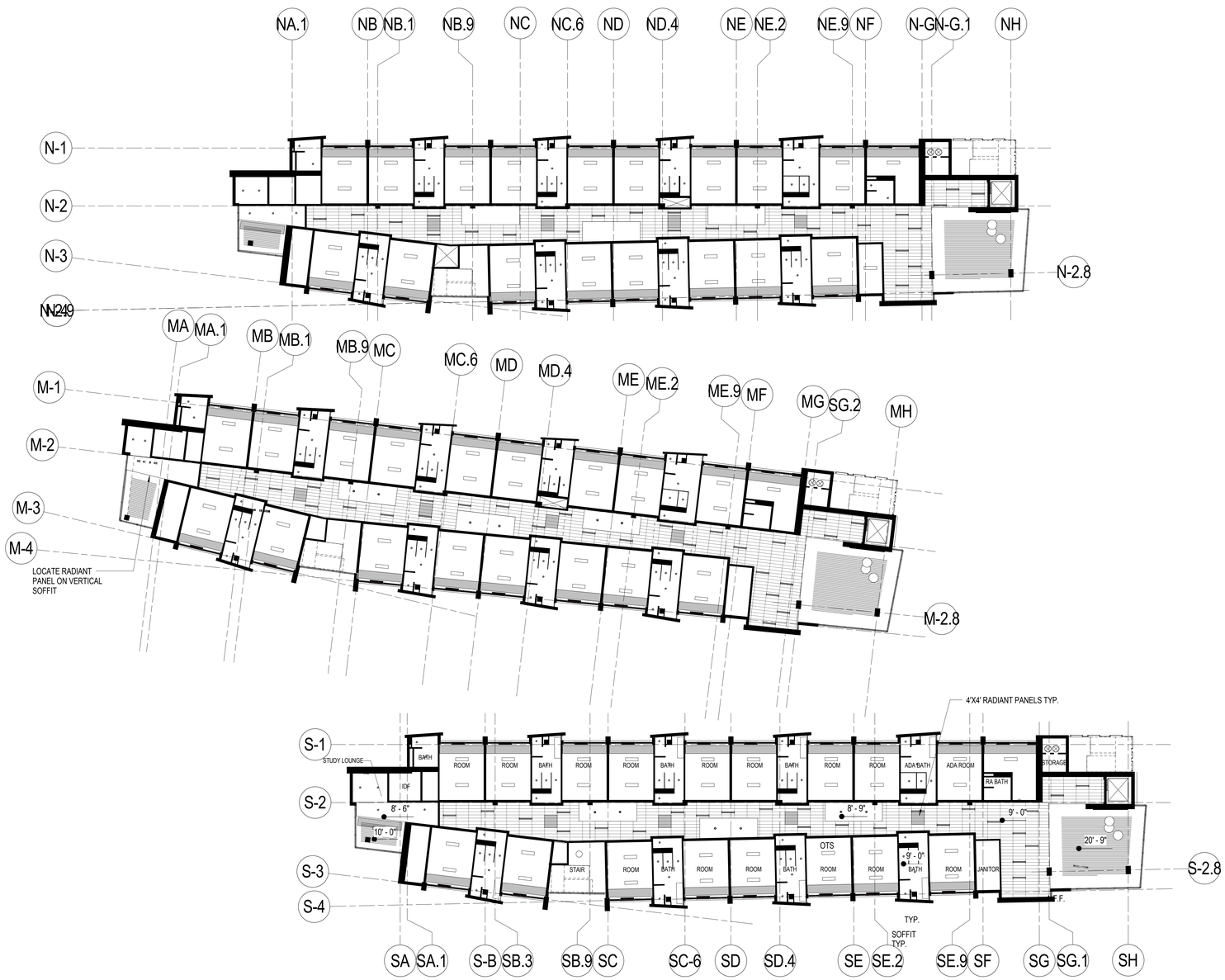
TITLE
LEVEL 2 RCP (LEVEL 4 SIM.)
PROJECT NO
13292.00
DATE
MAY 30, 2014

SHEET NUMBER
A7.02
DESIGN DEVELOPMENT

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1 LEVEL 3 RCP - LEVEL 5 SIM.
1/16" = 1'-0"

CEILING LEGEND

- GYPUSM WALL BOARD
- LINEAR WOOD CEILING
- EXPOSED STRUCTURE
- 2x4 ACT
- 1x4 ACT
- 2x8 ACT
- RADIANT PANEL
- RECESSED FLOURESCENT
- SUSPENDED FLOURESCENT
- SQUARE LENS WALL WASH LED
- LINEAR ACRYLIC WRAPAROUND
- SUSPENDED LINEAR LED
- STICK PERFORATED DIFFUSER
- PENDANT
- WALL WASHER
- CATENARY LIGHTING
- SPECIAL LIGHTING

GENERAL NOTES:

1. SOUTH TOWER SHOWS LIGHTING LAYOUT TYPICAL TO NORTH AND MIDDLE TOWER

0' 4' 8' 16'

ORIGINAL SHEET SIZE: 36" X 42"

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PROJECT
MESA COURT EXPANSION

LOCATION
IRVINE, CA

PREPARED FOR

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Design & Construction Services
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UCI PROJECT NO.
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KEYMAP

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PROJECT MANAGER
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PROJECT ARCHITECT
TN
PROJECT TEAM MEMBERS
MD, AO, ZJ, CH, SG, EM, KP
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ARCHITECT SEAL

TITLE
LEVEL 3 RCP (LEVEL 5 SIM.)
PROJECT NO
13292.00
DATE
MAY 30, 2014

SHEET NUMBER
A7.03
DESIGN DEVELOPMENT
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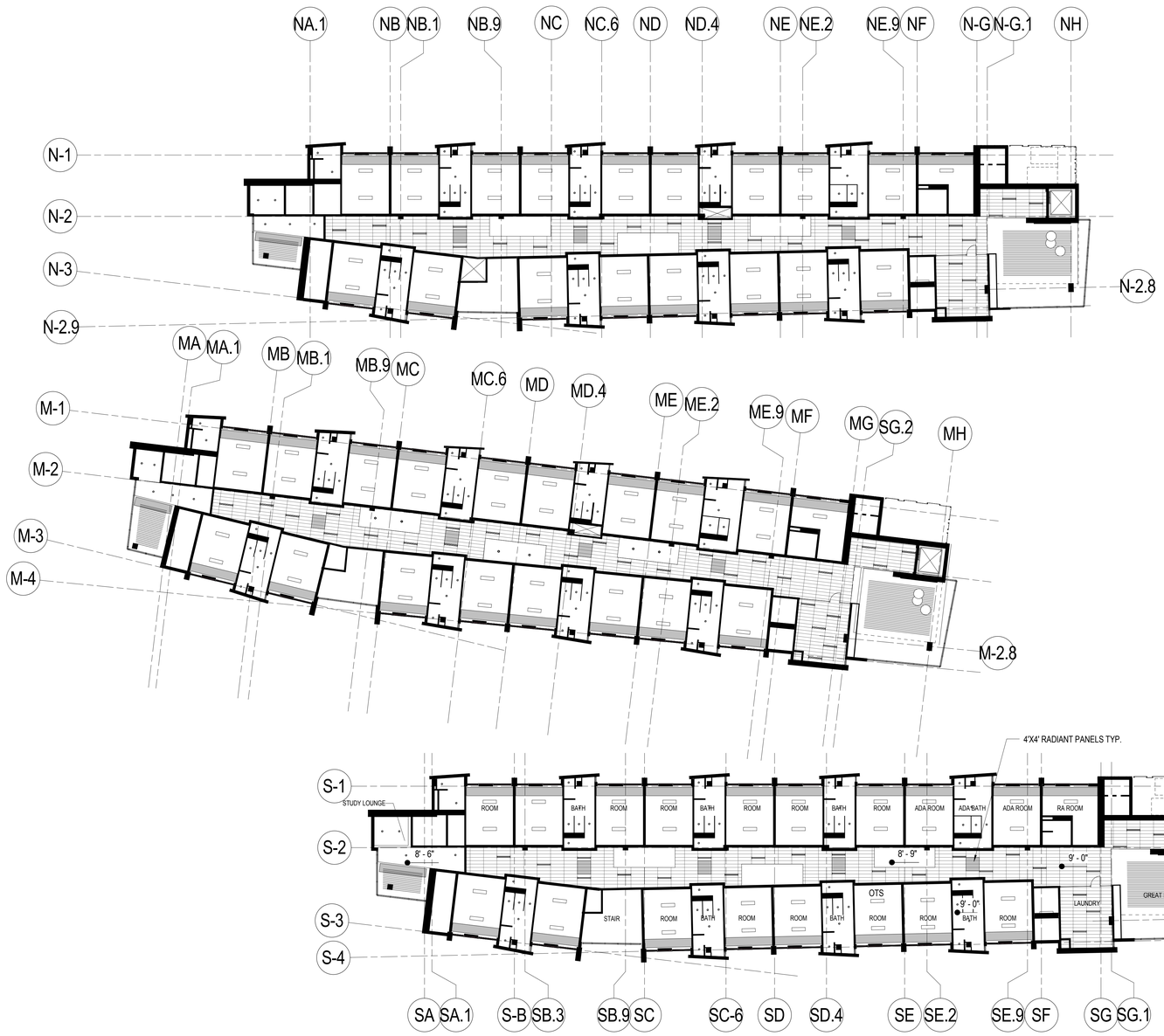
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CEILING LEGEND

- GYPUSM WALL BOARD
- LINEAR WOOD CEILING
- EXPOSED STRUCTURE
- 2x4 ACT
- 1x4 ACT
- 2x8 ACT
- RADIANT PANEL
- RECESSED FLOURESCENT
- SUSPENDED FLOURESCENT
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GENERAL NOTES:

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LOCATION
IRVINE, CA

PREPARED FOR
UCI
University of California, Irvine
Design & Construction Services
5201 California Ave Suite 250
Irvine, CA 92697

UCI PROJECT NO.
996296

KEYMAP

NO.	DATE	REVISION

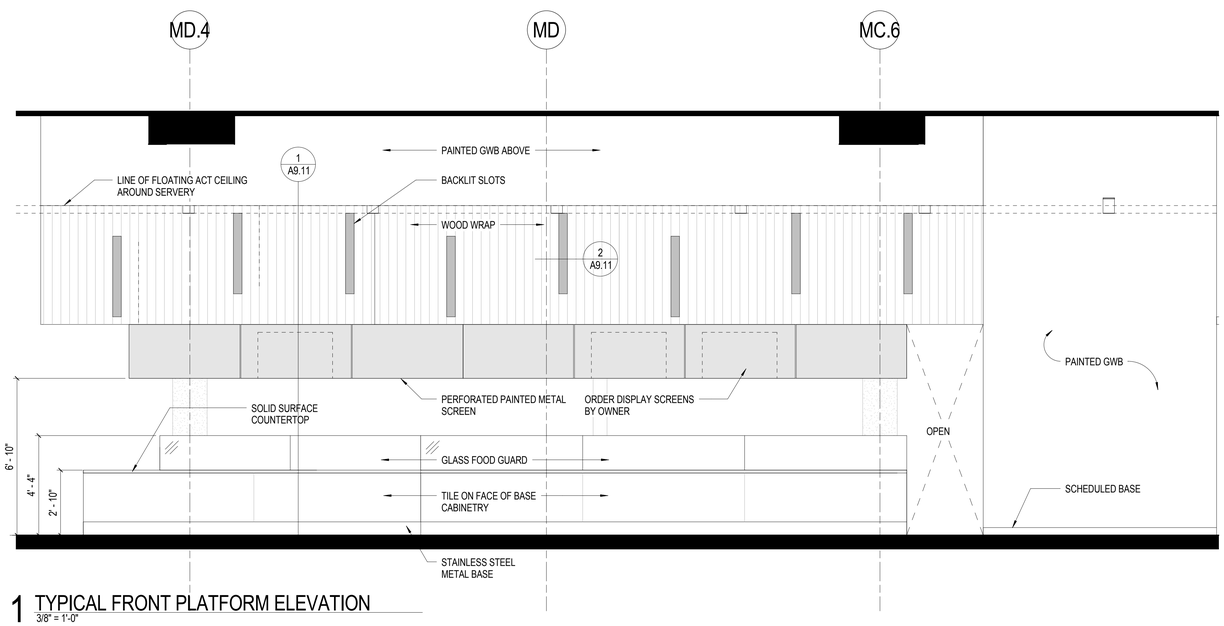
PROJECT DIRECTOR
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PROJECT MANAGER
BL
PROJECT ARCHITECT
TN
PROJECT TEAM MEMBERS
MD, AO, ZJ, CH, SG, EM, KP
CHECK
KB

ARCHITECT SEAL

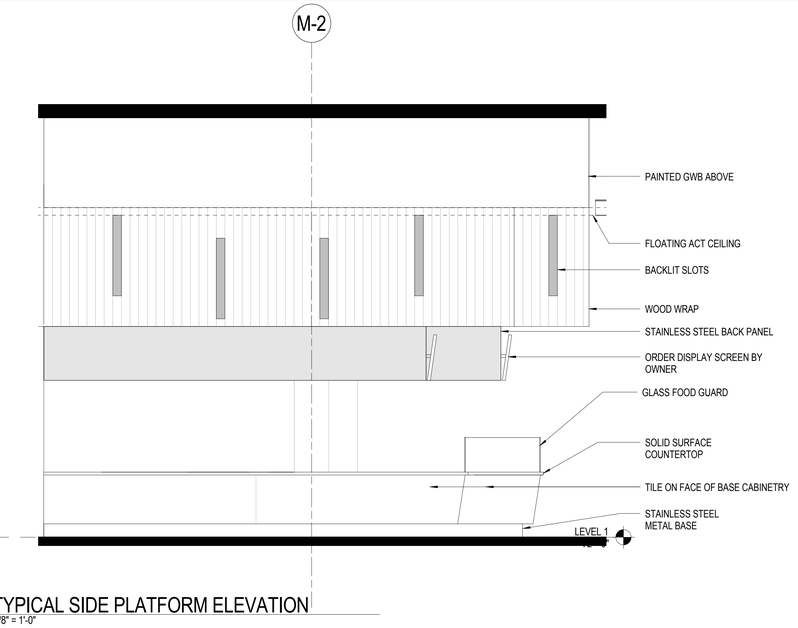
TITLE
LEVEL 6 RCP

PROJECT NO.
13292.00
DATE
MAY 30, 2014

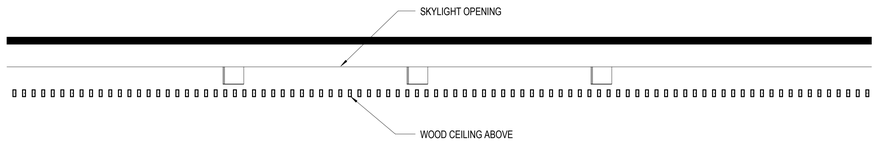
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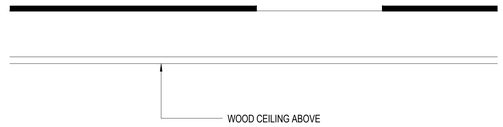


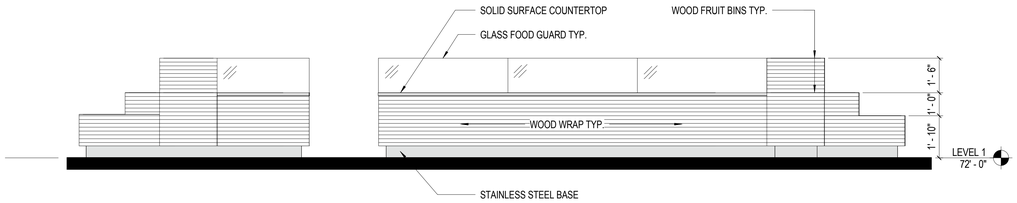
1 TYPICAL FRONT PLATFORM ELEVATION
3/8" = 1'-0"



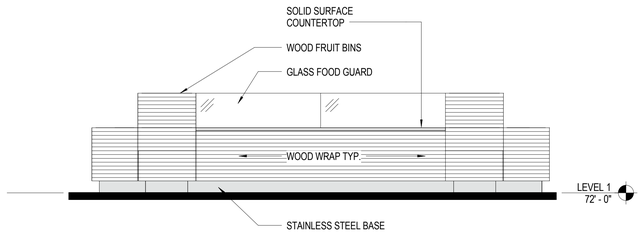
2 TYPICAL SIDE PLATFORM ELEVATION
3/8" = 1'-0"







3 MARKET WEST AND EAST ELEVATION
3/8" = 1'-0"



4 MARKET NORTH AND SOUTH ELEVATION
3/8" = 1'-0"

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TITLE
INTERIOR ELEVATIONS

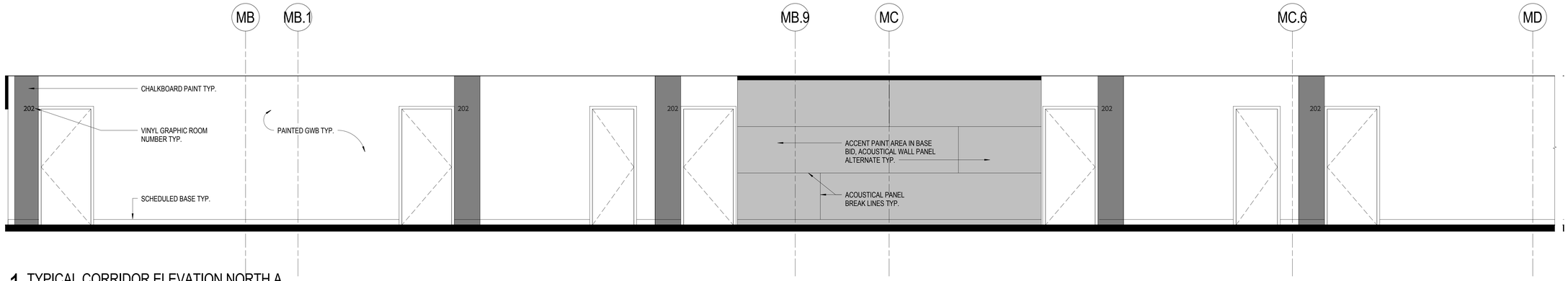
PROJECT NO.
13292.00
DATE
MAY 30, 2014

SHEET NUMBER
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DESIGN DEVELOPMENT

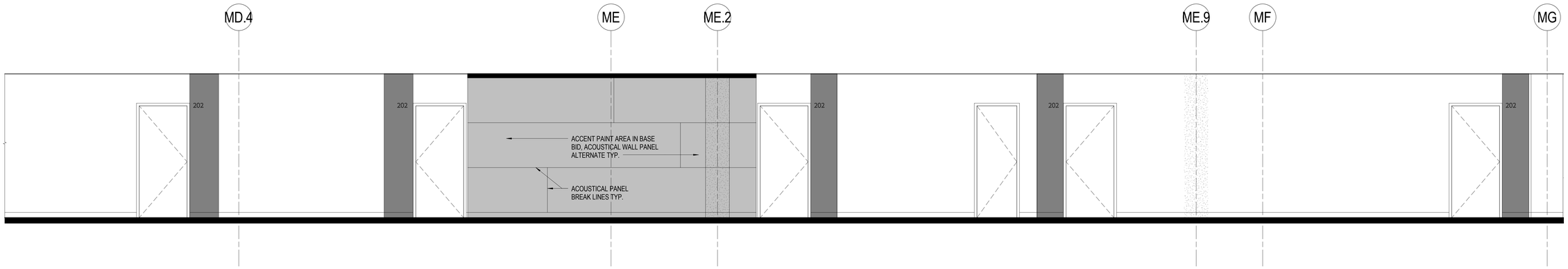
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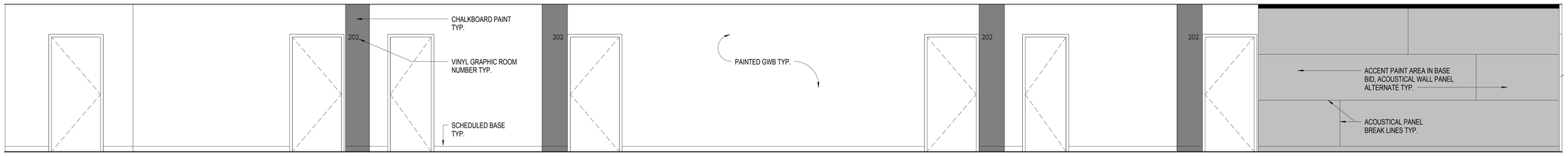
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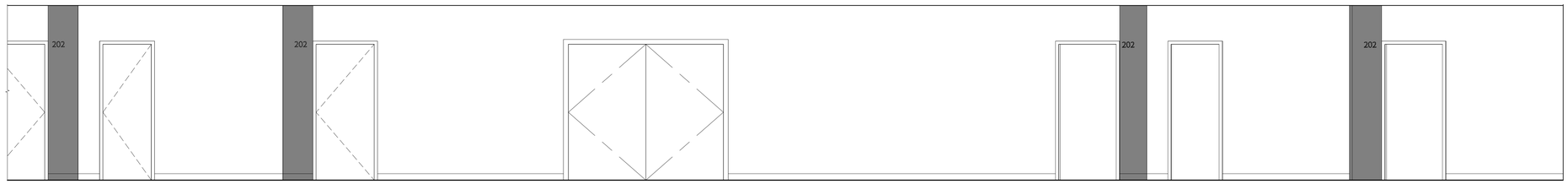
1 TYPICAL CORRIDOR ELEVATION NORTH A
3/8" = 1'-0"



2 TYPICAL CORRIDOR ELEVATION NORTH B
3/8" = 1'-0"



3 TYPICAL CORRIDOR ELEVATION SOUTH A
3/8" = 1'-0"



4 TYPICAL CORRIDOR ELEVATION SOUTH B
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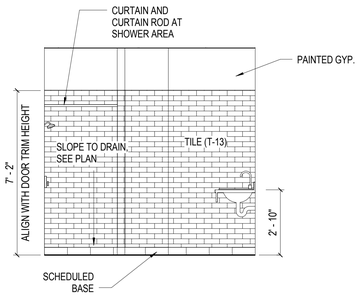
TITLE
INTERIOR ELEVATIONS

PROJECT NO.
13292.00
DATE
MAY 30, 2014

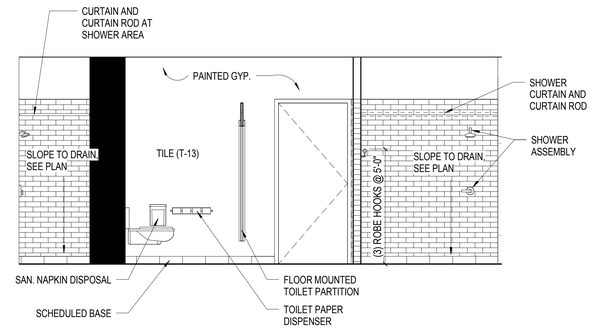
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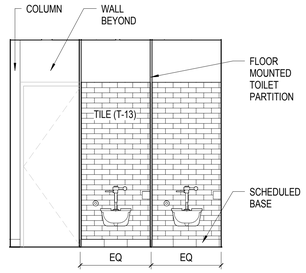
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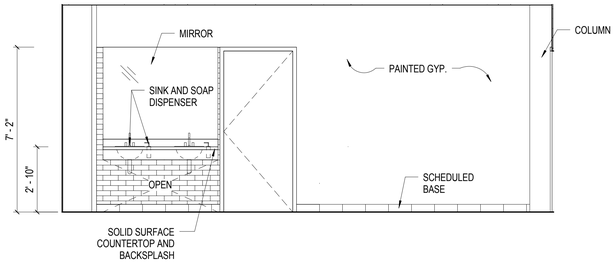
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3/8" = 1'-0"



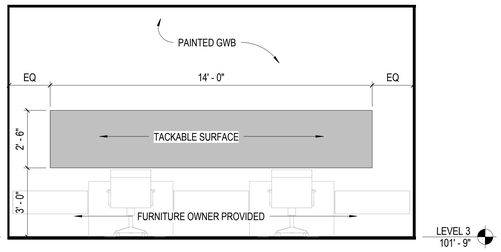
2 TYPICAL UNIT BATH ROOM ENTRY A
3/8" = 1'-0"



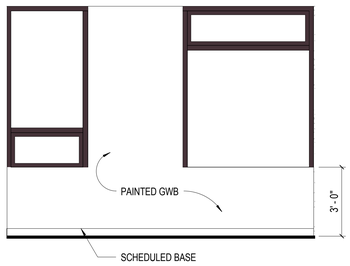
3 TYPICAL UNIT BATH TOILET WALL
3/8" = 1'-0"



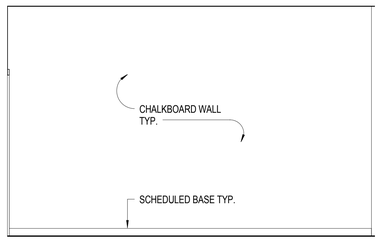
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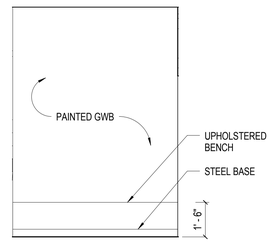
6 TYPICAL ROOM TACKABLE ELEVATION
3/8" = 1'-0"



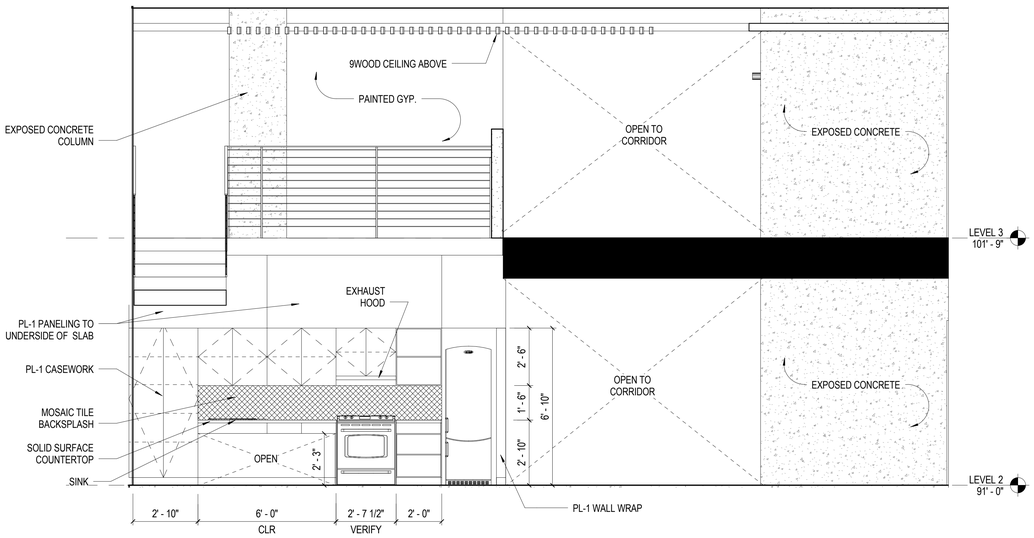
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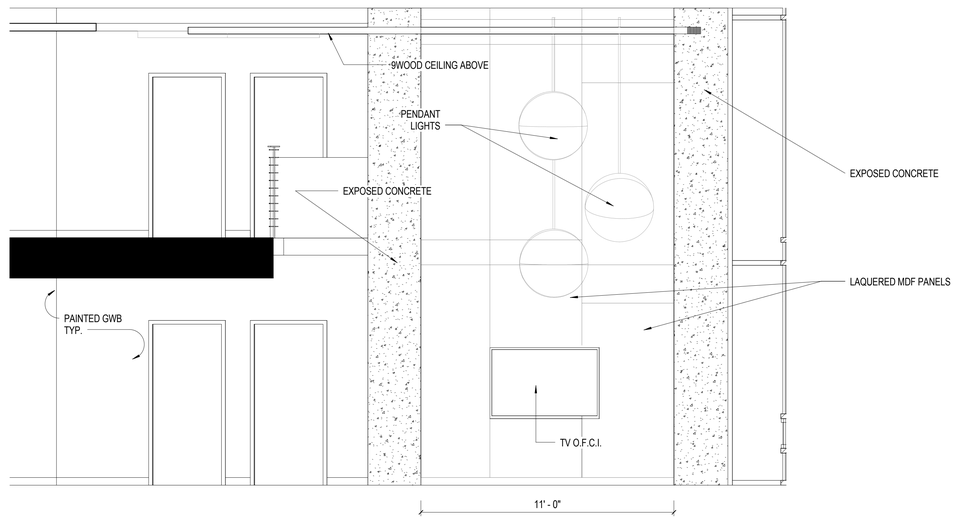
8 TYPICAL NOOK EAST ELEVATION
3/8" = 1'-0"



10 TYPICAL NOOK WEST ELEVATION
3/8" = 1'-0"



16 GREAT ROOM KITCHEN ELEVATION
3/8" = 1'-0"



18 GREAT ROOM TV WALL
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ARCHITECT SEAL

TITLE
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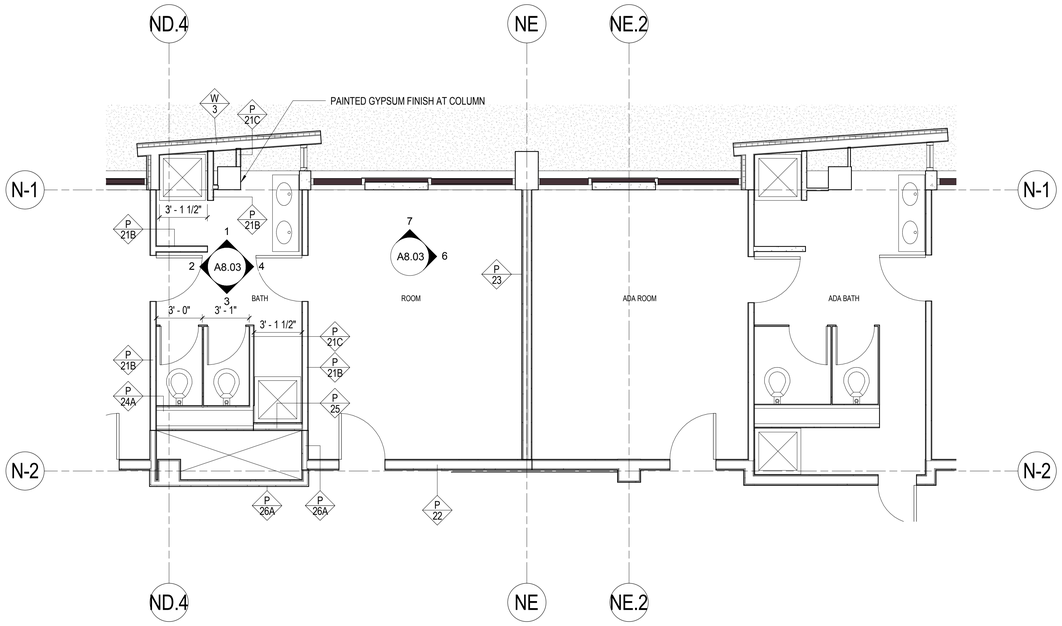
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13292.00
DATE
MAY 30, 2014

SHEET NUMBER
A8.03
DESIGN DEVELOPMENT

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1 ADA AND TYPICAL UNIT PLAN

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KHR ENGINEERS
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(949) . 864 . 1800

DESIGN BUILDER
HENSEL PHELPS
18850 Von Karman Ave, #100
Irvine, CA 92612
(949) . 852 . 0111

HENSEL PHELPS
Plan. Build. Manage.

PROJECT
MESA COURT
EXPANSION

LOCATION
IRVINE, CA

PREPARED FOR

UCI
University of California, Irvine

Design & Construction
Services
5201 California Ave Suite 250
Irvine, CA 92697

UCI PROJECT NO.
996296

KEYMAP

NO.	DATE	REVISION

PROJECT DIRECTOR
BL
PROJECT MANAGER
BL
PROJECT ARCHITECT
TN
PROJECT TEAM MEMBERS
MD, AO, ZJ, CH, SG, EM, KP
CHECK
KB

ARCHITECT SEAL

TITLE
UNIT PLANS

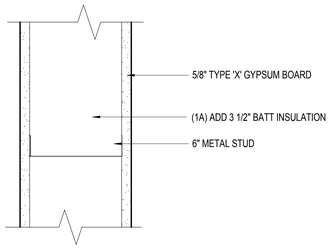
PROJECT NO.
13292.00
DATE
MAY 30, 2014

SHEET NUMBER
A8.10
DESIGN DEVELOPMENT

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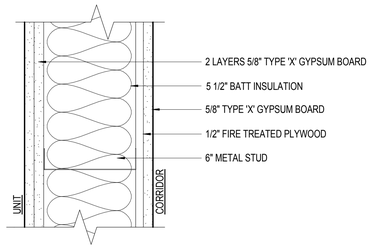
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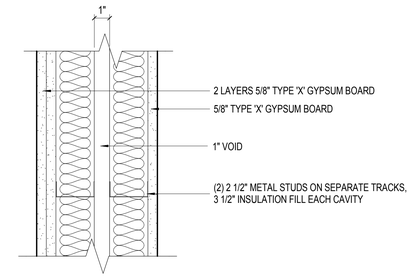
RATING:		MODIFIER:	
FIRE	1 HOUR	A	ADD ACOUSTICAL INSULATION
UL/GA	GA NO. WP1072	B	USE 3 5/8" STUD
STC	45-49 (FOR 1A)	C	USE 2 1/2" STUD
TEST	NRCC 816 NV		

P 21 PARTITION



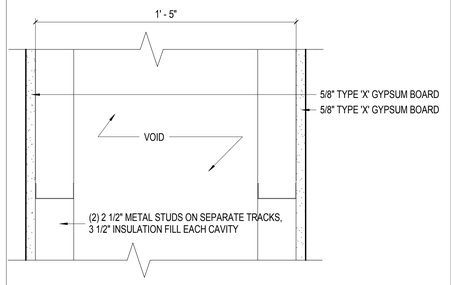
RATING:		MODIFIER:	
FIRE	1 HOUR		
UL/GA	GA NO. WP1052		
STC	50-54		
TEST			

P 22 CORRIDOR PARTITION



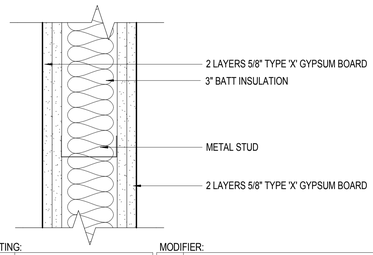
RATING:		MODIFIER:	
FIRE	1 HOUR		
UL/GA	GA NO. WP5015		
STC	50-54		
TEST	RAL TL76-155		

P 23 UNIT DEMISING PARTITION



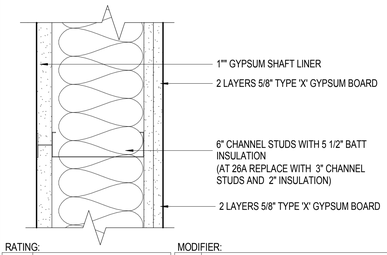
RATING:		MODIFIER:	
FIRE	(2HR AT 24A)	A	ADD 1 LAYERS TYPE 'X' GYP. EACH SIDE
UL/GA	GA NO. WP5015		
STC	50-54		
TEST			

P 24 SINGLE PLUMBING PARTITION



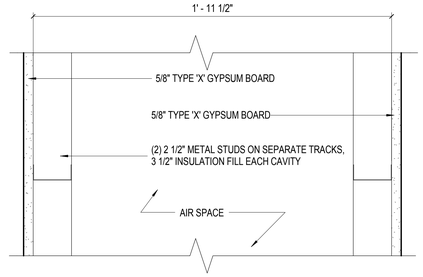
RATING:		MODIFIER:	
FIRE	2 HOUR	A	USE 6" STUD
UL/GA	GA NO. WP 1522		
STC	55-59		
TEST			

P 25 2 HOUR PARTITION



RATING:		MODIFIER:	
FIRE	2 HOUR	A	USE 3" CHANNEL STUDS W/ 2" INSULATION
UL/GA	GA NO. WP7051		
STC	50-54		
TEST			

P 26 SHAFT PARTITION



RATING:		MODIFIER:	
FIRE			
UL/GA			
STC			
TEST			

P 27 BACK-TO-BACK PLUMBING PARTITION

RATING:		MODIFIER:	
FIRE			
UL/GA			
STC			
TEST			

P

RATING:		MODIFIER:	
FIRE			
UL/GA			
STC			
TEST			

P

RATING:		MODIFIER:	
FIRE			
UL/GA			
STC			
TEST			

P

RATING:		MODIFIER:	
FIRE			
UL/GA			
STC			
TEST			

P

RATING:		MODIFIER:	
FIRE			
UL/GA			
STC			
TEST			

P

RATING:		MODIFIER:	
FIRE			
UL/GA			
STC			
TEST			

P

RATING:		MODIFIER:	
FIRE			
UL/GA			
STC			
TEST			

P

BUILDING ASSEMBLIES SCHEDULE NOTES

1. THE PARTION SYMBOL. PARTITION TYPE KEYED TO THE ADJACENT SCHEDULE.

P 12A — PARTITION TYPE (WITH ALPHA MODIFIER IF INDICATED)

2. FIRE RATED ASSEMBLIES ARE BASED ON IBC, UL, OR US GYPSUM ASSOCIATION (GA) TEST DATA AND ARE TO BE CONSTRUCTED IN ACCORDANCE WITH THE REQUIREMENTS OF THE TESTING AGENCIES. REFER TO SPECIFIC TEST REPORTS INDICATED FOR REQUIRED COMPONENTS AND ASSEMBLY. CONTRACTOR SHALL PROVIDE (2) COPIES OF EACH REFERENCED MANUAL TO THE JOBSITE TO COORDINATE FIRE RESISTIVE ATTACHMENT WITH SHEAR CONNECTORS AND SOUND RATED ASSEMBLIES. GA 600 MANUAL IS ACCEPTED BY 2009 IBC TABLE 720.1(2) NOTE O FOR NON-PROPRIETARY ASSEMBLIES.

3. EXTENTS OF ASSEMBLIES ARE SHOWN ON THE PLANS AND SECTIONS. FIRE RATED WALL ASSEMBLIES FORM A SEPARATION THAT SHALL BE CONTINUOUS FROM FLOOR TO STRUCTURE ABOVE WITH NO BREAKS AT COLUMNS, WALL TRANSITIONS, OR OTHER OBSTRUCTIONS.

4. ALL PENETRATIONS IN FIRE RATED ASSEMBLIES REQUIRED TO HAVE PROTECTED OPENINGS SHALL BE FIRESTOPPED OR PROVIDED WITH APPROVED SMOKE AND/OR FIRE DAMPERS PER CODE REQUIREMENTS.

5. PROVIDE THRU-PENETRATION FIRESTOP SYSTEMS FOR RATED ROOFS, WALLS, AND FLOORS THAT ARE PRODUCED AND INSTALLED TO RESIST THE SPREAD OF FIRE ACCORDING TO REQUIREMENTS INDICATED, RESIST PASSAGE OF SMOKE AND OTHER GASES, AND MAINTAIN ORIGINAL FIRE-RESISTANCE RATING OF THE ASSEMBLY PENETRATED.

6. FIRE RATED WALLS MAY HAVE OPENINGS FOR STEEL ELECTRICAL BOXES NOT TO EXCEED 16 SQUARE INCHES PROVIDED THE AGGREGATE AREA OF ALL BOXES DOES NOT EXCEED 100 SQUARE INCHES FOR ANY 100 SQUARE FEET OF PARTITION.

7. ALL GYPSUM BOARD SHALL BE TYPE "X" UNLESS NOTED OTHERWISE.

8. SUBSTITUTE TYPE "X" MOLD AND WATER RESISTANT GYPSUM BOARD AT TOILET, SHOWER, JANITOR, AND KITCHEN ROOMS, KITCHENETTE, AND SIMILAR "WET" USES.

9. PROVIDE TILE BACKER BOARD AT TILE FINISHES. DO NOT REDUCE REQUIRED FIRE-RESISTANCE RATING OF WALL ASSEMBLY.

10. PROVIDE BLOCKING AT THE FOLLOWING LOCATIONS: CASEWORK, SHELVING, AND PANELING; ACCESSORIES AND EQUIPMENT; DOOR HARDWARE; TOILET PARTITIONS AND ACCESSORIES; ACOUSTICAL PANELS; AND OTHER LOCATIONS WHERE REQUIRED PER MANUFACTURER'S RECOMMENDATIONS OR INDUSTRY STANDARDS.

11. FIREBLOCK IN ACCORDANCE WITH 2009 IBC SECTION 717 AT THE FOLLOWING CONCEALED DRAFT LOCATIONS: IN CONCEALED WALL SPACES AT 10' O.C. EACH WAY AND AT CEILING / FLOOR LEVELS.
A. AT INTERCONNECTIONS OF CONCEALED SOFFITS, DROPPED CEILINGS AND COVES
B. IN OPENINGS AROUND VENTS, PIPES, DUCTS AT CEILING / FLOOR LEVELS.
C. AT OPENINGS BETWEEN ATTIC SPACES AND MANUFACTURED CHIMNEY CHASES.

12. TJI JOISTS ARE BY TRUS-JOIST MACMILLAN CORP., BOISE IDAHO 83707. SUBSTITUTIONS MUST PROVIDE EQUIVALENT FIRE TESTED ASSEMBLIES WITH EQUAL OR BETTER ACOUSTICAL PERFORMANCE.

13. FOR PROPERTIES OF COOLER OR WALLBOARD NAILS, SEE ASTM C 514, ASTM C 547 OR ASTM F 1667.

14. THESE DETAILS REPRESENT MINIMUM ARCHITECTURAL REQUIREMENTS. IN SOME CASES THE STRUCTURAL DRAWINGS WILL DETERMINE THE ACTUAL DIMENSIONS AND CONNECTION METHODS, AND IN THOSE CASES WILL GOVERN. COORDINATE BETWEEN SCOPE SHOWN BY THE STRUCTURAL DRAWINGS AND INDICATED MINIMUM ARCHITECTURAL ASSEMBLIES.

15. DRAFTSTOPPING IS NOT REQUIRED IN FLOOR/CEILING SPACES PER IBC SECTION 717.3.2, EXCEPTION 1. THE BUILDING WILL BE EQUIPPED THROUGHOUT WITH AN AUTOMATIC SPRINKLER SYSTEM IN ACCORDANCE WITH SECTION 903.3.1.1 (NFPA 13).

16. DRAFTSTOPPING IN ATTICS IS NOT REQUIRED PER IBC SECTION 717.4.2, EXCEPTION 2. THE BUILDING WILL BE EQUIPPED THROUGHOUT WITH AN AUTOMATIC SPRINKLER SYSTEM IN ACCORDANCE WITH SECTION 903.3.1.1 (NFPA 13).

17. AIR BARRIER: SEAL PLYWOOD AND GYPSUM SHEATHING JOINTS AND PENETRATIONS.

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MESA COURT EXPANSION

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Design & Construction Services
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MD, AO, ZJ, CH, SG, EM, KP
CHECK
KB

ARCHITECT SEAL

TITLE
PARTITION TYPES

PROJECT NO.
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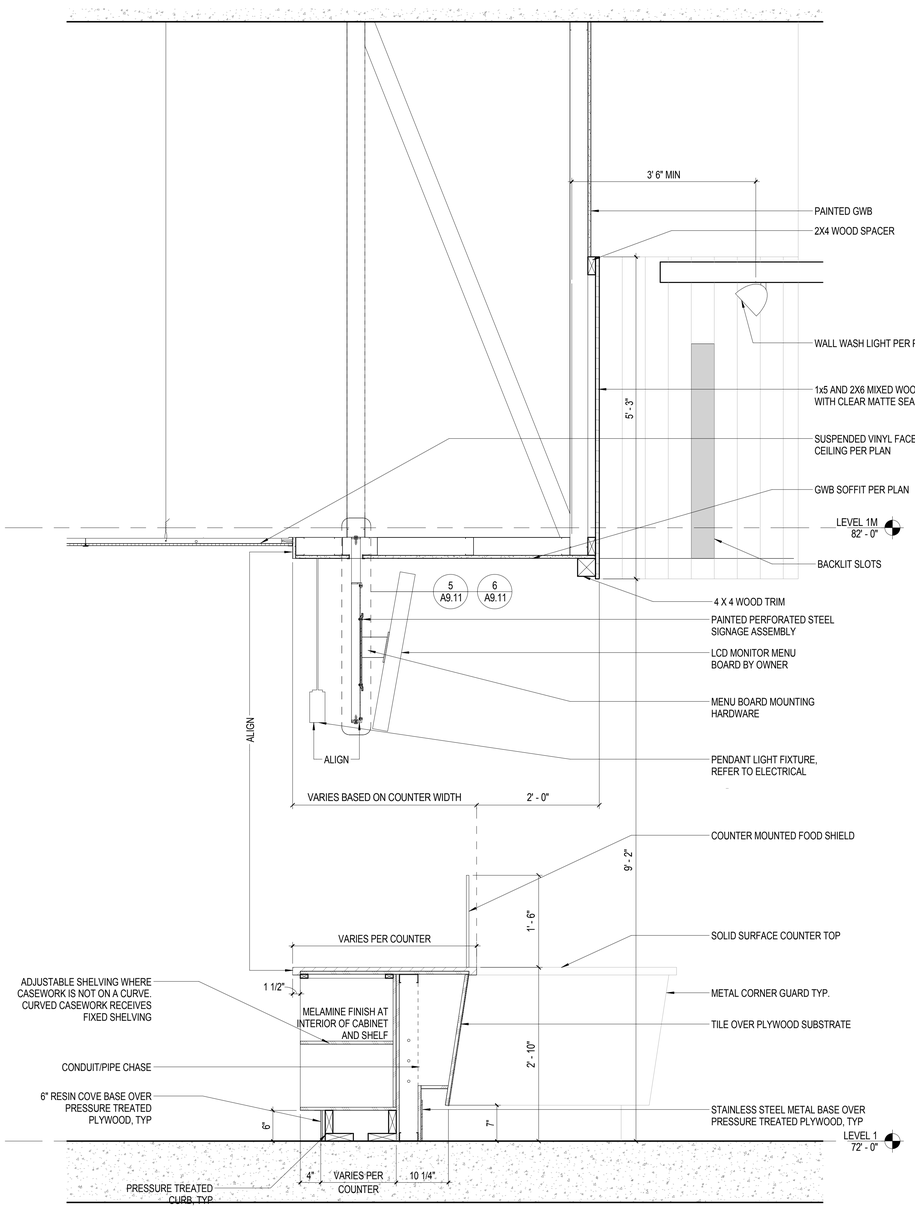
SHEET NUMBER
A9.01
DESIGN DEVELOPMENT

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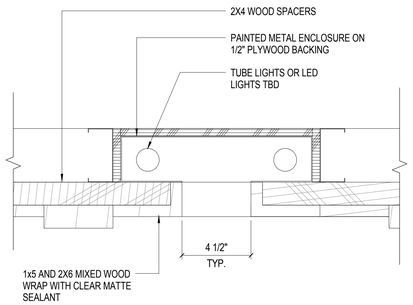
ORIGINAL SHEET SIZE 30" x 42"

NOT FOR CONSTRUCTION

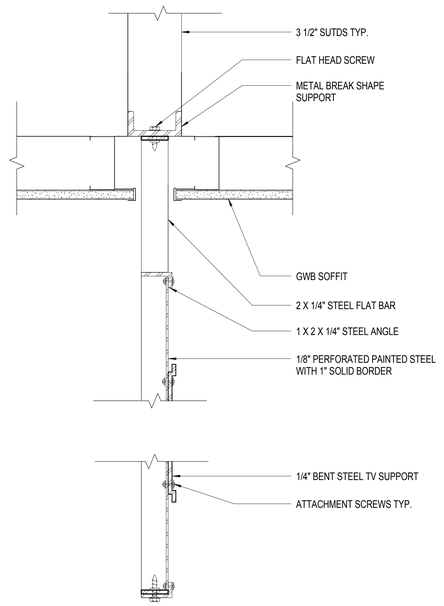
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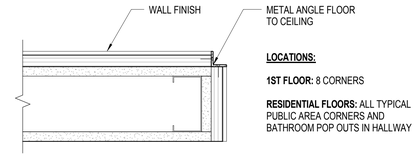
1 TYPICAL DINING SERVERY DETAIL
1" = 1'-0"



2 WOOD WRAP BACKLIT SLOT DETAIL
3" = 1'-0"



5 SERVERY SIGNAGE DETAIL
3" = 1'-0"

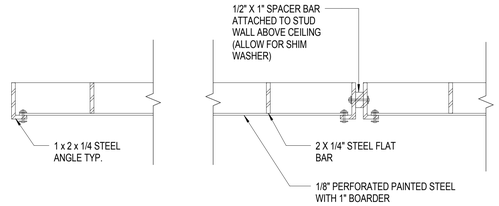


LOCATIONS:

1ST FLOOR: 8 CORNERS

RESIDENTIAL FLOORS: ALL TYPICAL PUBLIC AREA CORNERS AND BATHROOM POP OUTS IN HALLWAY

4 TYPICAL GWB CORNER DETAIL
3" = 1'-0"



6 SERVERY SIGNAGE PLAN DETAIL
3" = 1'-0"

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INTERIOR DETAILS

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ORIGINAL SHEET SIZE 30" x 42"

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FINISH SCHEDULE (PODIUM)_MESA COURT EXPANSION

NAME	NUMBER	FLOOR FINISH	BASE FINISH	WALL FINISH NORTH	WALL FINISH EAST	WALL FINISH SOUTH	WALL FINISH WEST	GWB FINISH LEVEL (UNO)	CEILING FINISH	WINDOW COVERINGS	COMMENTS
LOWER LEVEL											
BREAKROOM	001	CPT-1	B-2	P-1	P-1	P-1	P-1		ACP-1		
CORRIDOR	002	RF-5	B-1	P-1	P-1	P-1	P-1		ACP-1		
LOCKERS	003	T-7	B-3	P-1 / T-8	P-1 / T-8	P-1 / T-8	P-1 / T-8		ACP-1		7' 2" TILE WAINSCOT AT WET WALLS
SHOWER	004	T-7	B-3	P-1 / T-8	P-1 / T-8	P-1 / T-8	P-1 / T-8		ACP-1/ P-1		7' 2" TILE WAINSCOT AT WET WALLS
CLOSET	005	CONC-1	B-1	P-1	P-1	P-1	P-1		P-1		
TOILET	006	T-7	B-3	P-1 / T-8	P-1 / T-8	P-1 / T-8	P-1 / T-8		ACP-1		7' 2" TILE WAINSCOT AT WET WALLS
TOILET	007	T-7	B-3	P-1 / T-8	P-1 / T-8	P-1 / T-8	P-1 / T-8		ACP-1		7' 2" TILE WAINSCOT AT WET WALLS
SHOWER	008	T-7	B-3	P-1 / T-8	P-1 / T-8	P-1 / T-8	P-1 / T-8		ACP-1 / P-1		7' 2" TILE WAINSCOT AT WET WALLS
LOCKERS	009	T-7	B-3	P-1 / T-8	P-1 / T-8	P-1 / T-8	P-1 / T-8		ACP-1		7' 2" TILE WAINSCOT AT WET WALLS
CLOSET	010	CONC-1	B-1	P-1	P-1	P-1	P-1		P-1		
CORRIDOR	011	CPT-1	B-2	P-1	P-1	P-1	P-1		ACP-1		
OFFICE	012	CPT-1	B-2	P-1	P-1	P-1	P-1		ACP-1		
OFFICE	013	CPT-1	B-2	P-1	P-1	P-1	P-1		ACP-1		
OFFICE	014	CPT-1	B-2	P-1	P-1	P-1	P-1		ACP-1		
OFFICE	015	CPT-1	B-2	P-1	P-1	P-1	P-1		ACP-1		
OPEN OFFICE	016	CPT-1	B-2	P-1	P-1	P-1	P-1		ACP-1		
GENERAL STORAGE	017	CONC-1	B-1	P-1	P-1	P-1	P-1		NONE		
MACH	018										
CORRIDOR	020	CONC-1	B-1	P-1	P-1	P-1	P-1		NONE		
CUSTODIAL CART STORAGE	021	CONC-1	B-1	P-1	P-1	P-1	P-1		NONE		
MECHANICAL	022	CONC-1	B-1	P-1	P-1	P-1	P-1		NONE		
OPEN SHOP AREA	023	CONC-1	B-1	P-1	P-1	P-1	P-1		NONE		
GAS POWERED EQUIP	024	CONC-1	B-1	P-1	P-1	P-1	P-1		NONE		
PAINT	025	CONC-1	B-1	P-1	P-1	P-1	P-1		NONE		
MAIN WATER	026	CONC-1	B-1	P-1	P-1	P-1	P-1		NONE		
MECHANICAL	027	CONC-1	B-1	P-1	P-1	P-1	P-1		NONE		
GENERAL STORAGE	028	CONC-1	B-1	P-1	P-1	P-1	P-1		NONE		
MDF	029	CONC-1	B-1	P-1	P-1	P-1	P-1		NONE		
INVERTER	030	CONC-1	B-1	P-1	P-1	P-1	P-1		NONE		
MAIN ELECTRICAL	031	CONC-1	B-1	P-1	P-1	P-1	P-1		NONE		
ELECTRICAL	032	CONC-1	B-1	P-1	P-1	P-1	P-1		NONE		
ELEV	E-04	-	-	-	-	-	-		-		
CORRIDOR	S260	CONC-1	B-1	P-1	P-1	P-1	P-1		NONE		
STAIR	ST-07	CONC-1	B-1	P-1	P-1	P-1	P-1		NONE		
LEVEL 1											
STORAGE	033	CONC-1	B-1	P-1	P-1	P-1	P-1		NONE		
REC ROOM	101	CONC-2	B-2	P-1	P-1	P-1	P-1		NONE		
ENTRY	102	WO-1	B-2	P-1	P-1	P-1	P-1		ACP-1		
RR	103	T-7	B-3	P-1 / T-8	P-1 / T-8	P-1 / T-8	P-1 / T-8		P-1		
OFFICE	104	CPT-1	B-2	P-1	P-1	P-1	P-1		NONE		
RR	106	T-7	B-3	P-1 / T-8	P-1 / T-8	P-1 / T-8	P-1 / T-8		P-1		
FITNESS	107	WD-5 / RF-6	B-1	P-1	P-1	P-1	P-1		ACP-1		
LEADERSHIP	108	CONC-2	B-2	P-1	P-1	P-1	P-1		ACP-1		
STORAGE	109	CONC-1	B-1	P-1	P-1	P-1	P-1		ACP-1		
POSTER	110	CONC-2	B-2	P-1	P-1	P-1	P-1		ACP-1		
TOILET	111	T-7	B-3	P-1 / T-8	P-1 / T-8	P-1 / T-8	P-1 / T-8		P-1		
TOILET	112	T-7	B-3	P-1 / T-8	P-1 / T-8	P-1 / T-8	P-1 / T-8		P-1		
GROUP STUDY	113	CPT-1	B-2	P-1	P-1	P-1	P-1		P-1		
VESTIBULE	114	WO-1	B-2	P-1	P-1	P-1	P-1		NONE		
MEETING	115	CPT-1	B-2	P-1	P-1	P-1	P-1		ACP-1		
STOR.	116	CONC-1	B-1	P-1	P-1	P-1	P-1		P-1		
STOR	117	CONC-1	B-1	P-1	P-1	P-1	P-1		P-1		
ELEC.	118	CONC-1	B-1	P-1	P-1	P-1	P-1		P-1		
IDF	119	CONC-1	B-1	P-1	P-1	P-1	P-1		P-1		
COMPUTER LAB	120	CPT-1	B-2	P-1	WD-6 / G-1	P-1	P-1		NONE		SEE ELEVATION DRAWINGS - PLYWOOD AND GLASS PANEL WRAP AROUND GROUP ROOMS
GROUP STUDY	121	CPT-1	B-2	WD-6 / G-1	WD-6 / G-1	WD-6 / G-1	WD-6 / G-1		P-1		SEE ELEVATION DRAWINGS - PLYWOOD AND GLASS PANEL WRAP AROUND GROUP ROOMS
GROUP STUDY	122	CPT-1	B-2	WD-6 / G-1	WD-6 / G-1	WD-6 / G-1	WD-6 / G-1		P-1		SEE ELEVATION DRAWINGS - PLYWOOD AND GLASS PANEL WRAP AROUND GROUP ROOMS
QUIET STUDY	123	CPT-1	B-2	P-1	P-1	P-1	WD-6 / G-1		P-1		SEE ELEVATION DRAWINGS - PLYWOOD AND GLASS PANEL WRAP AROUND GROUP ROOMS
IDF	124	CONC-1	B-1	P-1	P-1	P-1	P-1		P-1		
ELEC	125	CONC-1	B-1	P-1	P-1	P-1	P-1		P-1		
LOBBY	126	CONC-2	B-2	P-1	P-1	P-1	P-1		NONE		
RECEPTION	127	CONC-2	B-2	P-1	P-1	P-1	P-1		ACP-1		
CONFERENCE	128	CPT-1	B-2	P-1	P-1	P-1	P-1		P-1		
MAIL	129	CONC-2	B-2	P-1 / WD-6	P-1 / WD-6	P-1	P-1 / WD-6		ACP-1		
IDF	130	CONC-1	B-1	P-1	P-1	P-1	P-1		P-1		
ELEC	131	CONC-1	B-1	P-1	P-1	P-1	P-1		P-1		
PACKAGE	132	CONC-1	B-1	P-1	P-1	P-1	P-1		ACP-1		
SORTING	133	CONC-2	B-2	P-1	P-1	P-1	P-1		P-1		
OPEN OFFICE	134	CONC-2	B-2	P-1	P-1	P-1	P-1		ACP-1		
OFFICE	135	CONC-1	B-1	P-1	P-1	P-1	P-1		P-1		
CORRIDOR	136	CONC-1	B-1	P-1	P-1	P-1	P-1		NONE		
TOILET	137	T-7	B-3	P-1 / T-8	P-1 / T-8	P-1 / T-8	P-1 / T-8		P-1		7' 2" TILE WAINSCOT AT WET WALLS
TOILET	137	T-7	B-3	P-1 / T-8	P-1 / T-8	P-1 / T-8	P-1 / T-8		P-1		7' 2" TILE WAINSCOT AT WET WALLS
COFFEE HOUSE	139	CONC-2 / T-9	B-2 / B-4	P-1	P-1	P-1	P-1		P-1		
DINING	150	CONC-2	B-2	VARIES	VARIES	VARIES	VARIES		P-1 / WD-4 / ACP-1		SEE ELEVATION DRAWINGS
PREP	151	T-9	B-4	P-1	P-1	P-1	P-1		ACP-1		
DISHWASH	152	T-9	B-4	P-1	P-1	P-1	P-1		ACP-1		
JANITOR	153	CONC-1	B-1	P-1 / FRP-1	P-1 / FRP-1	P-1 / FRP-1	P-1 / FRP-1		NONE		
PRIVATE DINING	154	CPT-1	B-2	P-1	P-1	P-1	P-1		ACP-1		
PRIVATE DINING	155	CPT-1	B-2	P-1	P-1	P-1	P-1		ACP-1		
STORAGE	156	CONC-1	B-1	P-1	P-1	P-1	P-1		NONE		
ELEC	157	CONC-1	B-1	P-1	P-1	P-1	P-1		NONE		
IDF	158	CONC-1	B-1	P-1	P-1	P-1	P-1		NONE		
PREP	159	T-9	B-4	P-1	P-1	P-1	P-1		ACP-1		
STORAGE	160	CONC-1	B-1	P-1	P-1	P-1	P-1		ACP-1		
RECYCLE	161	CONC-1	B-1	P-1	P-1	P-1	P-1		P-1		
POTWASH	162	CONC-1	B-1	P-1	P-1	P-1	P-1		ACP-1		
CHEF	163	CPT-1	B-2	P-1	P-1	P-1	P-1		ACP-1		
OFFICE	164	CPT-1	B-2	P-1	P-1	P-1	P-1		ACP-1		
OFFICE	165	CPT-1	B-2	P-1	P-1	P-1	P-1		ACP-1		
MEAT PREP	166	CONC-1	B-1	P-1	P-1	P-1	P-1		ACP-1		
DRY STORAGE	167	CONC-1	B-1	P-1	P-1	P-1	P-1		ACP-1		
SODA	168	CONC-1	B-1	P-1	P-1	P-1	P-1		ACP-1		
LOCKERS	169	T-7	B-3	P-1 / T-8	P-1 / T-8	P-1 / T-8	P-1 / T-8		ACP-1		7' 2" TILE WAINSCOT AT WET WALLS
TOILET	170	T-7	B-3	P-1 / T-8	P-1 / T-8	P-1 / T-8	P-1 / T-8		ACP-1		7' 2" TILE WAINSCOT AT WET WALLS
TOILET	171	T-7	B-3	P-1 / T-8	P-1 / T-8	P-1 / T-8	P-1 / T-8		ACP-1		7' 2" TILE WAINSCOT AT WET WALLS
CIRCULATION	180	T-9	B-4	P-1	P-1	P-1	P-1		ACP-1		
PANTRY	181	CONC-1	B-1	P-1	P-1	P-1	P-1		ACP-1		
PANTRY	182	CONC-1	B-1	P-1	P-1	P-1	P-1		ACP-1		

FINISH SCHEDULE (PODIUM)_MESA COURT EXPANSION

NAME	NUMBER	FLOOR FINISH	BASE FINISH	WALL FINISH NORTH	WALL FINISH EAST	WALL FINISH SOUTH	WALL FINISH WEST	GWB FINISH LEVEL (UNO)	CEILING FINISH	WINDOW COVERINGS	COMMENTS
RES ENTRY LOBBY	M100	EXT. PAVERS	B-2	P-1	P-1	P-1	P-1		NONE		
TRASH	M101	CONC-1	B-1	P-1	P-1	P-1	P-1		NONE		
RES ENTRY LOBBY	N100	CONC-2	B-2	P-1	P-1	P-1	P-1		NONE		
TRASH	N101	CONC-1	B-1	P-1	P-1	P-1	P-1		NONE		
STOR	P172	CONC-1	B-1	P-1	P-1	P-1	P-1		P-1		
RES. ENTRY	S100	EXT. PAVERS	B-2	P-1	P-1	P-1	P-1		NONE		
TRASH	S101	CONC-1	B-1	P-1	P-1	P-1	P-1		NONE		
COOLER	S244	CONC-1	B-1	P-1	P-1	P-1	P-1		ACP-1		
COOLER	S256	CONC-1	B-1	P-1	P-1	P-1	P-1		ACP-1		
CORRIDOR	S261	CONC-2	B-2	P-1	P-1	P-1	P-1		ACP-1		
STAIR	S399	CPT-1	B-2	WD-6 / G-1	P-1	P-1	P-1		ACP-1		
PANTRY	S561	CONC-1	B-1	P-1	P-1	P-1	P-1		NONE		
STAIR	ST-04	CONC-1	B-1	P-1	P-1	P-1	P-1		NONE		
STAIR	ST-06	CONC-1	B-1	P-1	P-1	P-1	P-1		NONE		
LEVEL 1M											
COMPUTER LAB	MZ100	CPT-1	B-2	P-1	P-1	P-1	WD-6 / G-1		ACP-1		
GROUP STUDY	MZ101	CPT-1	B-2	WD-6 / G-1	WD-6 / G-1	WD-6 / G-1	WD-6 / G-1		ACP-1		SEE ELEVATION DRAWINGS - PLYWOOD AND GLASS PANEL WRAP AROUND GROUP ROOMS
QUIET STUDY	S258	CPT-1	B-2	WD-6 / G-1	WD-6 / G-1	WD-6 / G-1	WD-6 / G-1		ACP-1		SEE ELEVATION DRAWINGS - PLYWOOD AND GLASS PANEL WRAP AROUND GROUP ROOMS

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Plan. Build. Manage.

PROJECT
MESA COURT EXPANSION

LOCATION
IRVINE, CA

PREPARED FOR

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UCI PROJECT NO.
996296

KEYMAP

NO.	DATE	REVISION

PROJECT DIRECTOR
BL
PROJECT MANAGER
BL
PROJECT ARCHITECT
TN
PROJECT TEAM MEMBERS
MD, AO, ZJ, CH, SG, EM, KP
CHECK
KB

ARCHITECT SEAL

TITLE
FINISH SCHEDULE PODIUM LEVEL

PROJECT NO.
13292.00
DATE
MAY 30, 2014

SHEET NUMBER
A10.01
DESIGN DEVELOPMENT

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ORIGINAL SHEET SIZE 36" x 42"

NOT FOR CONSTRUCTION

FINISH SCHEDULE (RES LEVEL 2, 4 TYP.)_MESA COURT EXPANSION

NAME	Area	NUMBER	FLOOR FINISH	BASE FINISH	WALL FINISH				GWB FINISH LEVEL (UNO)	CEILING FINISH	WINDOW COVERINGS	COMMENTS
					NORTH	EAST	SOUTH	WEST				
COMMON LIVING AREA	2,229 SF	M201	CPT-5 / CPT-10	B-2	P-1 / P-4 / AP-1	P-1	P-1 / P-4 / AP-1	P-1		ACP-1 / P-1 / AP-1		SEE ELEVATION DRAWINGS, AP-1 AS ALTERNATE TO PAINTED GYP. TYP.
GREAT ROOM	750 SF	M202	CPT-6 / RF-2	B-2	DP-3 / DP-4	P-1	P-1	P-1		WD-2		SEE ELEVATION DRAWINGS
LAUNDRY	270 SF	M203	RF-2	B-1	P-1	P-1	P-1	P-1		ACP-1		
JANITOR	48 SF	M204	CONC-1	B-1	P-1 / FRP-1	P-1 / FRP-1	P-1 / FRP-1	P-1 / FRP-1		P-1		FRP-1 UP TO 48" WAINSCOT TYP.
TOILET	55 SF	M205	T-11	B-6	P-1 / T-13	P-1 / T-13	P-1 / T-13	P-1 / T-13		P-1		SEE ELEVATION DRAWINGS TYP.
ROOM	248 SF	M206	CPT-6	B-2	P-1	P-5	P-1	P-1 / TK-1		NONE		SEE ROOM ELEVATION FOR TACKABLE SURFACE LOCATION, TYP.
BATH	176 SF	M207	T-11 / T-15	B-6	P-1 / T-13	P-1 / T-13	P-1 / T-13	P-1 / T-13		P-1		
ROOM	248 SF	M208	CPT-6	B-2	P-1	P-5	P-1	P-1 / TK-1		NONE		
ROOM	248 SF	M209	CPT-6	B-2	P-1	P-5	P-1	P-1 / TK-1		NONE		
BATH	176 SF	M210	T-11 / T-15	B-6	P-1 / T-13	P-1 / T-13	P-1 / T-13	P-1 / T-13		P-1		
ROOM	248 SF	M211	CPT-6	B-2	P-1	P-5	P-1	P-1 / TK-1		NONE		
ROOM	248 SF	M212	CPT-6	B-2	P-1	P-5	P-1	P-1 / TK-1		NONE		
BATH	176 SF	M213	T-11 / T-15	B-6	P-1 / T-13	P-1 / T-13	P-1 / T-13	P-1 / T-13		P-1		
ROOM	248 SF	M214	CPT-6	B-2	P-1	P-5	P-1	P-1 / TK-1		NONE		
NOOK	78 SF	M215	CPT-5	B-2	P-1	P-4	P-1	P-7		P-1		
ROOM	248 SF	M216	CPT-6	B-2	P-1	P-5	P-1	P-1 / TK-1		NONE		
BATH	176 SF	M217	T-11 / T-15	B-6	P-1 / T-13	P-1 / T-13	P-1 / T-13	P-1 / T-13		P-1		
ROOM	248 SF	M218	CPT-6	B-2	P-1	P-5	P-1	P-1 / TK-1		NONE		
STORAGE	118 SF	M219	CONC-1	B-1	P-1	P-1	P-1	P-1		P-1		
STUDY LOUNGE	397 SF	M220	CPT-5	B-1	P-1	P-1 / WRIT-1	P-1	P-1		WD-2		48 SQ. FT. OF WRITABLE SURFACE ON EAST WALL TYP.
IDF	88 SF	M221	CONC-1	B-1	P-1	P-1	P-1	P-1		P-1		
ELEC	46 SF	M222	CONC-1	B-1	P-1	P-1	P-1	P-1		P-1		
BATH	74 SF	M223	T-11 / T-15	B-6	P-1 / T-13	P-1 / T-13	P-1 / T-13	P-1 / T-13		P-1		
ROOM	249 SF	M224	CPT-6	B-2	P-1	P-5	P-1	P-1 / TK-1		NONE		
ROOM	248 SF	M225	CPT-6	B-2	P-1	P-5	P-1	P-1 / TK-1		NONE		
BATH	177 SF	M226	T-11 / T-15	B-6	P-1 / T-13	P-1 / T-13	P-1 / T-13	P-1 / T-13		P-1		
ROOM	248 SF	M227	CPT-6	B-2	P-1	P-5	P-1	P-1 / TK-1		NONE		
ROOM	248 SF	M228	CPT-6	B-2	P-1	P-5	P-1	P-1 / TK-1		NONE		
BATH	176 SF	M229	T-11 / T-15	B-6	P-1 / T-13	P-1 / T-13	P-1 / T-13	P-1 / T-13		P-1		
ROOM	248 SF	M230	CPT-6	B-2	P-1	P-5	P-1	P-1 / TK-1		NONE		
ROOM	245 SF	M231	CPT-6	B-2	P-1	P-5	P-1	P-1 / TK-1		NONE		
BATH	152 SF	M232	T-11 / T-15	B-6	P-1 / T-13	P-1 / T-13	P-1 / T-13	P-1 / T-13		P-1		
ROOM	245 SF	M233	CPT-6	B-2	P-1	P-5	P-1	P-1 / TK-1		NONE		
ADA ROOM	248 SF	M234	CPT-6	B-2	P-1	P-1	P-1	P-5		NONE		
ADA BATH	215 SF	M235	T-11 / T-15	B-6	P-1 / T-13	P-1 / T-13	P-1 / T-13	P-1 / T-13		P-1		
ROOM	248 SF	M236	CPT-6	B-2	P-1	P-5	P-1	P-1 / TK-1		NONE		
ROOF	16,634 SF	M237	-	-	-	-	-	-		-		
RA BATH	211 SF	M238	RF-2	B-1	P-1	P-1	P-1	P-1		P-1		
TRASH ROOM	77 SF	M239	CONC-1	B-1	P-1	P-1	P-1	P-1		NONE		
COMMON LIVING AREA	2,282 SF	N201	CPT-7 / CPT-11	B-2	P-1 / P-4 / AP-1	P-1	P-1 / P-4 / AP-1	P-1		ACP-1 / P-1 / AP-1		SEE ELEVATION DRAWINGS, AP-1 AS ALTERNATE TO PAINTED GYP.
GREAT ROOM	724 SF	N202	CPT-7 / RF-3	B-2	DP-5 / DP-6 / DP-7	P-1	P-1	P-1		WD-3		SEE ELEVATION DRAWINGS
LAUNDRY	274 SF	N203	RF-3	B-1	P-1	P-1	P-1	P-1		ACP-1		
JANITOR	49 SF	N204	CONC-1	B-1	P-1 / FRP-1	P-1 / FRP-1	P-1 / FRP-1	P-1 / FRP-1		P-1		
TOILET	55 SF	N205	T-12	B-7	P-1 / T-13	P-1 / T-13	P-1 / T-13	P-1 / T-13		P-1		
ROOM	248 SF	N206	CPT-8	B-2	P-1	P-5	P-1	P-1 / TK-1		NONE		
BATH	176 SF	N207	T-12 / T-16	B-7	P-1 / T-13	P-1 / T-13	P-1 / T-13	P-1 / T-13		P-1		
ROOM	248 SF	N208	CPT-8	B-2	P-1	P-5	P-1	P-1 / TK-1		NONE		
ROOM	248 SF	N209	CPT-8	B-2	P-1	P-5	P-1	P-1 / TK-1		NONE		
BATH	176 SF	N210	T-12 / T-16	B-7	P-1 / T-13	P-1 / T-13	P-1 / T-13	P-1 / T-13		P-1		
ROOM	248 SF	N211	CPT-8	B-2	P-1	P-5	P-1	P-1 / TK-1		NONE		
ROOM	248 SF	N212	CPT-8	B-2	P-1	P-5	P-1	P-1 / TK-1		NONE		
BATH	176 SF	N213	T-12 / T-16	B-7	P-1 / T-13	P-1 / T-13	P-1 / T-13	P-1 / T-13		P-1		
ROOM	248 SF	N214	CPT-8	B-2	P-1	P-5	P-1	P-1 / TK-1		NONE		
NOOK	66 SF	N215	CPT-7	B-2	P-1	P-4	P-1	P-8		P-1		SEE ELEVATION DRAWINGS
ROOM	246 SF	N216	CPT-8	B-2	P-1	P-5	P-1	P-1 / TK-1		NONE		
BATH	178 SF	N217	T-12 / T-16	B-7	P-1 / T-13	P-1 / T-13	P-1 / T-13	P-1 / T-13		P-1		
ROOM	260 SF	N218	CPT-8	B-2	P-1	P-5	P-1	P-1 / TK-1		NONE		
STORAGE	113 SF	N219	CONC-1	B-1	P-1	P-1	P-1	P-1		P-1		
STUDY LOUNGE	272 SF	N220	CPT-7	B-2	P-1	P-1	P-1	P-1		WD-3		48 SQ. FT. OF WRITABLE SURFACE ON EAST WALL TYP.
IDF	87 SF	N221	CONC-1	B-1	P-1	P-1	P-1	P-1		P-1		
ELEC	69 SF	N222	CONC-1	B-1	P-1	P-1	P-1	P-1		P-1		
RESIDENT LIFE COORDINATOR	761 SF	N223	CPT-8 / RF-3	B-2 / B-1	P-5	P-1	P-1	P-1		P-1 / EXPOSED		
BATH	84 SF	N225	T-12 / T-16	B-7	P-1 / T-13	P-1 / T-13	P-1 / T-13	P-1 / T-13		P-1		
ROOM	245 SF	N226	CPT-8	B-2	P-1	P-5	P-1	P-1 / TK-1		NONE		
ROOM	248 SF	N227	CPT-8	B-2	P-1	P-5	P-1	P-1 / TK-1		NONE		
BATH	177 SF	N228	T-12 / T-16	B-7	P-1 / T-13	P-1 / T-13	P-1 / T-13	P-1 / T-13		P-1		
ROOM	248 SF	N229	CPT-8	B-2	P-1	P-5	P-1	P-1 / TK-1		NONE		
ROOM	248 SF	N230	CPT-8	B-2	P-1	P-5	P-1	P-1 / TK-1		NONE		
BATH	176 SF	N231	T-12 / T-16	B-7	P-1 / T-13	P-1 / T-13	P-1 / T-13	P-1 / T-13		P-1		
ROOM	248 SF	N232	CPT-8	B-2	P-1	P-5	P-1	P-1 / TK-1		NONE		
ROOM	245 SF	N233	CPT-8	B-2	P-1	P-5	P-1	P-1 / TK-1		NONE		
BATH	152 SF	N234	T-12 / T-16	B-7	P-1 / T-13	P-1 / T-13	P-1 / T-13	P-1 / T-13		P-1		
ROOM	245 SF	N235	CPT-8	B-2	P-1	P-5	P-1	P-1 / TK-1		NONE		
ADA ROOM	248 SF	N236	CPT-8	B-2	P-1	P-1	P-1	P-5		NONE		
ADA BATH	215 SF	N237	T- 12 / T-16	B-7	P-1 / T-13	P-1 / T-13	P-1 / T-13	P-1 / T-13		P-1		
ADA ROOM	248 SF	N238	CPT-8	B-2	P-1	P-5	P-1	P-1		NONE		
RA ROOM	211 SF	N239	CPT-8	B-2	P-1	P-5	P-1	P-1		NONE		
RA BATH	61 SF	N240	RF-3	B-1	P-1	P-1	P-1	P-1		P-1		
TRASH ROOM	78 SF	N241	CONC-1	B-1	P-1	P-1	P-1	P-1		NONE		
COMMON LIVING AREA	2,233 SF	S201	CPT-3 / CPT-9	B-2	P-1 / P-4 / AP-1	P-1	P-1 / P-4 / AP-1	P-1		ACP-1 / P-1 / AP-1		SEE ELEVATION DRAWINGS, AP-1 AS ALTERNATE TO PAINTED GYP.
GREAT ROOM	743 SF	S202	CPT--4 / RF-1	B-2	DP-1 / DP-2	P-1	P-1	P-1		WD-1		SEE ELEVATION DRAWINGS
LAUNDRY	274 SF	S203	RF-1	B-1	P-1	P-1	P-1	P-1		ACP-1		
JANITOR	48 SF	S204	CONC-1	B-1	P-1	P-1	P-1	P-1		P-1		
RR	55 SF	S205	T-10	B-5	P-1 / T-13	P-1 / T-13	P-1 / T-13	P-1 / T-13		P-1		
LAUNDRY	248 SF	S206	RF-4	B-1	P-1	P-1	P-1	P-1		P-1		
BATH	176 SF	S207	T-10 / T-14	B-5	P-1 / T-13	P-1 / T-13	P-1 / T-13	P-1 / T-13		P-1		
ROOM	247 SF	S208	T-10 / T-14	B-5	P-1 / T-13	P-1 / T-13	P-1 / T-13	P-1 / T-13		P-1		
ROOM	248 SF	S209	CPT-4	B-2	P-1	P-5	P-1	P-1 / TK-1		NONE		
BATH	176 SF	S210	T-10 / T-14	B-5	P-1 / T-13	P-1 / T-13	P-1 / T-13	P-1 / T-13		P-1		
ROOM	248 SF	S211	CPT-4	B-2	P-1	P-5	P-1	P-1 / TK-1		NONE		
ROOM	248 SF	S212	CPT-4	B-2	P-1	P-5	P-1	P-1 / TK-1		NONE		
BATH	177 SF	S213	T-10 / T-14	B-5	P-1 / T-13	P-1 / T-13	P-1 / T-13	P-1 / T-13		P-1		
ROOM	247 SF	S214	T-10 / T-14	B-5	P-1 / T-13	P-1 / T-13	P-1 / T-13	P-1 / T-13		P-1		
NOOK	79 SF	S215	CPT-3	B-2	P-1	P-4	P-1	P-6		P-1		
STUDY LOUNGE	403 SF	S220	RF-4	B-1	P-1	P-1	P-1	P-1		P-1		48 SQ. FT. OF WRITABLE SURFACE ON EAST WALL TYP.
IDF	88 SF	S221	CONC-1	B-1	P-1	P-1	P-1	P-1		P-1		
ELEC	46 SF	S222	CONC-1	B-1	P-1	P-1	P-1	P-1		P-1		
BATH	75 SF	S223	T-10 / T-14	B-5	P-1 / T-13	P-1 / T-13	P-1 / T-13	P-1 / T-13		P-1		
ROOM	247 SF	S225	CPT-4	B-2	P-1	P-5	P-1	P-1 / TK-1		P-1		
BATH	177 SF	S226	T-10 / T-14	B-5	P-1 / T-13	P-1 / T-13	P-1 / T-13	P-1 / T-13		P-1		
ROOM	248 SF	S227	CPT-4	B-2	P-1	P-5	P-1	P-1 / TK-1		NONE		
ROOM	248 SF	S228	CPT-4	B-2	P-1	P-5	P-1	P-1 / TK-1		NONE		

FINISH SCHEDULE (RES LEVEL 2, 4 TYP.)_MESA COURT EXPANSION

NAME	Area	NUMBER	FLOOR FINISH	BASE FINISH	WALL FINISH				GWB FINISH LEVEL (UNO)	CEILING FINISH	WINDOW COVERINGS	COMMENTS
					NORTH	EAST	SOUTH	WEST				
BATH	158 SF	S229	T-10 / T-14	B-5	P-1 / T-13	P-1 / T-13	P-1 / T-13	P-1 / T-13		P-1		
ROOM	248 SF	S230	CPT-4	B-2	P-1	P-1 / TK-1	P-1	P-5		NONE		
ROOM	248 SF	S231	CPT-4	B-2	P-1	P-5	P-1	P-1 / TK-1		NONE		
BATH	175 SF	S232	T-10 / T-14	B-5	P-1 / T-13	P-1 / T-13	P-1 / T-13	P-1 / T-13		P-1		
ROOM	248 SF	S233	CPT-4	B-2	P-1	P-5	P-1	P-1 / TK-1		NONE		
ADA ROOM	248 SF	S234	RF-1	B-1	P-1	P-1	P-1	P-1		P-1		
ADA BATH	216 SF	S235	T-10 / T-14	B-5	P-1 / T-13	P-1 / T-13	P-1 / T-13	P-1 / T-13		P-1		
ADA ROOM	248 SF	S236	CPT-4	B-2	P-1	P-1	P-1	P-5		NONE		
RA BATH	61 SF	S237	T-10 / T-14	B-5	P-1 / T-13	P-1 / T-13	P-1 / T-13	P-1 / T-13		P-1		
RA ROOM	211 SF	S238	CPT-4	B-2	P-1	P-5	P-1	P-1		NONE		
TRASH	79 SF	S239	CONC-1	B-1	P-1	P-1	P-1	P-1		NONE		
ROOM	108 SF	S452										
ROOM	248 SF	S453										
ROOM	177 SF	S454										
ROOM	248 SF	S455										
ROOM	249 SF	S483										

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FINISH SCHEDULE (RES LEVEL 3, 5 TYP.)_MESA COURT EXPANSION

NAME	Area	NUMBER	FLOOR FINISH	BASE FINISH	WALL FINISH				GWB FINISH LEVEL (UNO)	CEILING FINISH	WINDOW COVERINGS	COMMENTS
					NORTH	EAST	SOUTH	WEST				
LEVEL 3												
COMMON LIVING AREA	2,306 SF	M301	CPT-5 / CPT-10	B-2	P-1 / P-4 / AP-1	P-1	P-1 / P-4 / AP-1	P-1		ACP-1 / P-1 / AP-1		SEE ELEVATION DRAWINGS, AP-1 AS ALTERNATE TO PAINTED GYP. TYP.
MEZZANINE	324 SF	M303	CPT-5	B-2	P-1	-	P-1	P-7		ACP-1		
STORAGE	114 SF	M304	CONC-1	B-1	P-1	P-1	P-1	P-1		P-1		
ROOM	248 SF	M305	CPT-6	B-2	P-1	P-5	P-1	P-1 / TK-1		NONE		SEE ROOM ELEVATION FOR TACKABLE SURFACE LOCATION, TYP.
BATH	176 SF	M306	T-11 / T-15	B-6	P-1 / T-13	P-1 / T-13	P-1 / T-13	P-1 / T-13		P-1		7' 2" TILE WAINSCOT- SEE ELEVATION DRAWINGS
ROOM	248 SF	M307	CPT-6	B-2	P-1	P-5	P-1	P-1 / TK-1		NONE		
ROOM	248 SF	M308	CPT-6	B-2	P-1	P-5	P-1	P-1 / TK-1		NONE		
BATH	176 SF	M309	T-11 / T-15	B-6	P-1 / T-13	P-1 / T-13	P-1 / T-13	P-1 / T-13		P-1		
ROOM	248 SF	M310	CPT-6	B-2	P-1	P-5	P-1	P-1 / TK-1		NONE		
ROOM	248 SF	M311	CPT-6	B-2	P-1	P-5	P-1	P-1 / TK-1		NONE		
BATH	176 SF	M312	T-11 / T-15	B-6	P-1 / T-13	P-1 / T-13	P-1 / T-13	P-1 / T-13		P-1		
ROOM	249 SF	M313	CPT-6	B-2	P-1	P-5	P-1	P-1 / TK-1		NONE		
NOOK	75 SF	M314	CPT-5	B-2	P-1	P-4	P-1	P-7		P-1		
ROOM	248 SF	M315	CPT-6	B-2	P-1	P-5	P-1	P-1 / TK-1		NONE		
BATH	176 SF	M316	T-11 / T-15	B-6	P-1 / T-13	P-1 / T-13	P-1 / T-13	P-1 / T-13		P-1		
ROOM	248 SF	M317	CPT-6	B-2	P-1	P-5	P-1	P-1 / TK-1		NONE		
STOR	118 SF	M318	RF-4	B-1	P-1	P-1	P-1	P-1		P-1		
STUDY LOUNGE	398 SF	M319	CPT-5	B-2	P-1	P-1	P-1	P-1		WD-2		48 SQ. FT. OF WRITABLE SURFACE ON EAST WALL TYP.
IDF	88 SF	M320	CONC-1	B-1	P-1	P-1	P-1	P-1		P-1		
IDF	47 SF	M321	CONC-1	B-1	P-1	P-1	P-1	P-1		P-1		
BATH	74 SF	M322	T-11 / T-15	B-6	P-1 / T-13	P-1 / T-13	P-1 / T-13	P-1 / T-13		P-1		
ROOM	248 SF	M323	CPT-6	B-2	P-1	P-5	P-1	P-1 / TK-1		NONE		
ROOM	248 SF	M324	CPT-6	B-2	P-1	P-5	P-1	P-1 / TK-1		NONE		
BATH	177 SF	M325	T-11 / T-15	B-6	P-1 / T-13	P-1 / T-13	P-1 / T-13	P-1 / T-13		P-1		
ROOM	248 SF	M326	CPT-6	B-2	P-1	P-5	P-1	P-1 / TK-1		NONE		
ROOM	248 SF	M327	CPT-6	B-2	P-1	P-5	P-1	P-1 / TK-1		NONE		
BATH	176 SF	M328	T-11 / T-15	B-6	P-1 / T-13	P-1 / T-13	P-1 / T-13	P-1 / T-13		P-1		
ROOM	248 SF	M329	CPT-6	B-2	P-1	P-5	P-1	P-1 / TK-1		NONE		
ROOM	245 SF	M330	CPT-6	B-2	P-1	P-5	P-1	P-1 / TK-1		NONE		
BATH	152 SF	M331	T-11 / T-15	B-6	P-1 / T-13	P-1 / T-13	P-1 / T-13	P-1 / T-13		P-1		
ROOM	245 SF	M332	CPT-6	B-2	P-1	P-5	P-1	P-1 / TK-1		NONE		
ADA ROOM	248 SF	M333	CPT-6	B-2	P-1	P-1	P-1	P-5		NONE		
ADA BATH	211 SF	M334	T-11 / T-15	B-6	P-1 / T-13	P-1 / T-13	P-1 / T-13	P-1 / T-13		P-1		
ADA ROOM	248 SF	M335	CPT-6	B-2	P-1	P-5	P-1	P-1		NONE		
BATH	61 SF	M336	T-11 / T-15	B-6	P-1 / T-13	P-1 / T-13	P-1 / T-13	P-1 / T-13		P-1		
DOUBLE ROOM	212 SF	M337	CPT-6	B-2	P-1	P-5	P-1	P-1		NONE		
TRASH	77 SF	M338	CONC-1	B-1	P-1	P-1	P-1	P-1		NONE		
COMMON LIVING AREA	2,339 SF	N301	CPT-7 / CPT-11	B-2	P-1 / P-4 / AP-1	P-1	P-1 / P-4 / AP-1	P-1		ACP-1 / P-1 / AP-1		SEE ELEVATION DRAWINGS, AP-1 AS ALTERNATE TO PAINTED GYP. TYP.
MEZZANINE	316 SF	N303	CPT-7	B-2	-	-	P-1	P-8		ACP-1 / P-1		
STORAGE	115 SF	N304	CONC-1	B-1	P-1	P-1	P-1	P-1		P-1		
ROOM	248 SF	N305	CPT-8	B-2	P-1	P-5	P-1	P-1 / TK-1		NONE		
BATH	176 SF	N306	T-12 / T-16	B-7	P-1 / T-13	P-1 / T-13	P-1 / T-13	P-1 / T-13		P-1		
ROOM	248 SF	N307	CPT-8	B-2	P-1	P-5	P-1	P-1 / TK-1		NONE		
ROOM	248 SF	N308	CPT-8	B-2	P-1	P-5	P-1	P-1 / TK-1		NONE		
BATH	176 SF	N309	T-12 / T-16	B-7	P-1 / T-13	P-1 / T-13	P-1 / T-13	P-1 / T-13		P-1		
ROOM	248 SF	N310	CPT-8	B-2	P-1	P-5	P-1	P-1 / TK-1		NONE		
ROOM	248 SF	N311	CPT-8	B-2	P-1	P-5	P-1	P-1 / TK-1		NONE		
BATH	176 SF	N312	T-12 / T-16	B-7	P-1 / T-13	P-1 / T-13	P-1 / T-13	P-1 / T-13		P-1		
ROOM	248 SF	N313	CPT-8	B-2	P-1	P-5	P-1	P-1 / TK-1		NONE		
NOOK	64 SF	N314	CPT-7	B-2	P-1	P-4	P-1	P-8		P-1		
ROOM	248 SF	N315	CPT-8	B-2	P-1	P-5	P-1	P-1 / TK-1		NONE		
BATH	178 SF	N316	T-12 / T-16	B-7	P-1 / T-13	P-1 / T-13	P-1 / T-13	P-1 / T-13		P-1		
ROOM	260 SF	N317	CPT-8	B-2	P-1	P-5	P-1	P-1 / TK-1		NONE		
STORAGE	113 SF	N318	CONC-1	B-1	P-1	P-1	P-1	P-1		P-1		
STUDY LOUNGE	262 SF	N319	CPT-7	B-2	P-1	P-1	P-1	P-1		WD-3		48 SQ. FT. OF WRITABLE SURFACE ON EAST WALL TYP.
IDF	87 SF	N320	CONC-1	B-1	P-1	P-1	P-1	P-1		P-1		
ELEC	69 SF	N321	CONC-1	B-1	P-1	P-1	P-1	P-1		P-1		
ROOM	248 SF	N322	CPT-8	B-2	P-1	P-5	P-1	P-1 / TK-1		NONE		
BATH	76 SF	N323	T-12 / T-16	B-7	P-1 / T-13	P-1 / T-13	P-1 / T-13	P-1 / T-13		P-1		
ROOM	248 SF	N324	CPT-8	B-2	P-1	P-5	P-1	P-1 / TK-1		NONE		
BATH	177 SF	N325	T-12 / T-16	B-7	P-1 / T-13	P-1 / T-13	P-1 / T-13	P-1 / T-13		P-1		
ROOM	248 SF	N326	CPT-8	B-2	P-1	P-5	P-1	P-1 / TK-1		NONE		
ROOM	248 SF	N327	CPT-8	B-2	P-1	P-5	P-1	P-1 / TK-1		NONE		
BATH	176 SF	N328	T-12 / T-16	B-7	P-1 / T-13	P-1 / T-13	P-1 / T-13	P-1 / T-13		P-1		
ROOM	248 SF	N329	CPT-8	B-2	P-1	P-5	P-1	P-1 / TK-1		NONE		
ROOM	245 SF	N330	CPT-8	B-2	P-1	P-5	P-1	P-1 / TK-1		NONE		
BATH	152 SF	N331	T-12 / T-16	B-7	P-1 / T-13	P-1 / T-13	P-1 / T-13	P-1 / T-13		P-1		
ROOM	245 SF	N332	CPT-8	B-2	P-1	P-5	P-1	P-1 / TK-1		NONE		
ROOM	248 SF	N333	CPT-8	B-2	P-1	P-5	P-1	P-1 / TK-1		NONE		
ADA BATH	215 SF	N334	T- 12 / T-16	B-7	P-1 / T-13	P-1 / T-13	P-1 / T-13	P-1 / T-13		P-1		
ADA ROOM	248 SF	N335	CPT-8		P-1	P-5	P-1	P-1		NONE		
BATH	61 SF	N336	T-12 / T-16	B-7	P-1 / T-13	P-1 / T-13	P-1 / T-13	P-1 / T-13		P-1		
DOUBLE ROOM	213 SF	N337	CPT-8	B-2	P-1	P-5	P-1	P-1		NONE		
COMMON LIVING AREA	2,309 SF	S301	CPT-3 / CPT-9	B-2	P-1 / P-4 / AP-1	P-1	P-1 / P-4 / AP-1	P-1		ACP-1 / P-1 / AP-1		SEE ELEVATION DRAWINGS, AP-1 AS ALTERNATE TO PAINTED GYP. TYP.
MEZZANINE	319 SF	S303	CPT-3	B-2	P-1	-	P-1	P-6		ACP-1		
JANITOR	116 SF	S304	CONC-1	B-1	P-1 / FRP-1	P-1 / FRP-1	P-1 / FRP-1	P-1 / FRP-1		P-1		
ROOM	248 SF	S305	T-10 / T-14	B-5	P-1 / T-13	P-1 / T-13	P-1 / T-13	P-1 / T-13		P-1		
BATH	176 SF	S306	T-10 / T-14	B-5	P-1 / T-13	P-1 / T-13	P-1 / T-13	P-1 / T-13		P-1		
ROOM	248 SF	S307	CPT-4	B-2	P-1	P-5	P-1	P-1 / TK-1		NONE		
ROOM	248 SF	S308	CPT-4	B-2	P-1	P-5	P-1	P-1 / TK-1		NONE		
BATH	176 SF	S309	T-10 / T-14	B-5	P-1 / T-13	P-1 / T-13	P-1 / T-13	P-1 / T-13		P-1		
ROOM	248 SF	S310	CPT-4	B-2	P-1	P-5	P-1	P-1 / TK-1		NONE		
ROOM	248 SF	S311	CPT-4	B-2	P-1	P-5	P-1	P-1 / TK-1		NONE		
BATH	177 SF	S312	T-10 / T-14	B-5	P-1 / T-13	P-1 / T-13	P-1 / T-13	P-1 / T-13		P-1		
ROOM	248 SF	S313	CPT-4	B-2	P-1	P-5	P-1	P-1 / TK-1		NONE		
NOOK	81 SF	S314	CPT-3	B-2	P-1	P-4	P-1	P-6		P-1		
ROOM	247 SF	S315	CPT-4	B-2	P-1	P-5	P-1	P-1 / TK-1		NONE		
BATH	178 SF	S316	T-10 / T-14	B-5	P-1 / T-13	P-1 / T-13	P-1 / T-13	P-1 / T-13		P-1		
ROOM	248 SF	S317	CPT-4	B-2	P-1	P-5	P-1	P-1 / TK-1		NONE		
STOR	107 SF	S318	RF-4	B-1	P-1	P-1	P-1	P-1		P-1		
STUDY LOUNGE	403 SF	S319	CPT-3	B-2	P-1	P-1	P-1	P-1		WD-1		48 SQ. FT. OF WRITABLE SURFACE ON EAST WALL TYP.
IDF	88 SF	S320	CONC-1	B-1	P-1	P-1	P-1	P-1		P-1		
ELEC	46 SF	S321	CONC-1	B-1	P-1	P-1	P-1	P-1		P-1		
ROOM	248 SF	S322	CPT-4	B-2	P-1	P-5	P-1	P-1 / TK-1		NONE		
BATH	75 SF	S323	T-10 / T-14	B-5	P-1 / T-13	P-1 / T-13	P-1 / T-13	P-1 / T-13		P-1		
ROOM	248 SF	S324	CPT-4	B-2	P-1	P-5	P-1	P-1 / TK-1		NONE		
BATH	177 SF	S325	T-10 / T-14	B-5	P-1 / T-13	P-1 / T-13	P-1 / T-13	P-1 / T-13		P-1		
ROOM	248 SF	S326	CPT-4	B-2	P-1	P-5	P-1	P-1 / TK-1		NONE		
ROOM	248 SF	S327	CPT-4	B-2	P-1	P-5	P-1	P-1 / TK-1		NONE		
BATH	176 SF	S328	T-10 / T-14	B-5	P-1 / T-13	P-1 / T-13	P-1 / T-13	P-1 / T-13		P-1		
ROOM	248 SF	S329	CPT-4	B-2	P-1	P-5	P-1	P-1 / TK-1		NONE		
ROOM	248 SF	S330	CPT-4	B-2	P-1	P-5	P-1	P-1 / TK-1		NONE		
BATH	175 SF	S331	T-10 / T-14	B-5	P-1 / T-13	P-1 / T-13	P-1 / T-13	P-1 / T-13		P-1		
ROOM	248 SF	S332	CPT-4	B-2	P-1	P-5	P-1	P-1 / TK-1		NONE		
ROOM	248 SF	S333	CPT-4	B-2	P-1	P-5	P-1	P-1 / TK-1		NONE		
ADA BATH	215 SF	S334	T-10 / T-14	B-5	P-1 / T-13	P-1 / T-13	P-1 / T-13	P-1 / T-13		P-1		
ADA ROOM	248 SF	S335	CPT-4		P-1	P-5	P-1	P-1		NONE		
RA BATH	61 SF	S336	CPT-4	B-2	P-1	P-5	P-1	P-1		NONE		
DBL ROOM	211 SF	S337										
STORAGE	79 SF	S338	CONC-1	B-1	P-1	P-1	P-1	P-1		P-1		
TRASH ROOM	78 SF	S338	CONC-1	B-1	P-1	P-1	P-1	P-1		NONE		

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HENSEL PHELPS
Plan. Build. Manage.

PROJECT
MESA COURT EXPANSION

LOCATION
IRVINE, CA

PREPARED FOR
UCI
University of California, Irvine
Design & Construction Services
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Irvine, CA 92697

UCI PROJECT NO.
996296

KEYMAP

NO.	DATE	REVISION

PROJECT DIRECTOR
BL
PROJECT MANAGER
BL
PROJECT ARCHITECT
TN
PROJECT TEAM MEMBERS
MD, AO, ZJ, CH, SG, EM, KP
CHECK
KB

ARCHITECT SEAL

TITLE
FINISH SCHEDULE LEVELS 3, 5

PROJECT NO.
13292.00

DATE
MAY 30, 2014

SHEET NUMBER
A10.03

DESIGN DEVELOPMENT

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ORIGINAL SHEET SIZE 30" x 42"

NOT FOR CONSTRUCTION

FINISH SCHEDULE (RES LEVEL 6)_MESA COURT EXPANSION

NAME	Area	NUMBER	FLOOR FINISH	BASE FINISH	WALL FINISH				GWB FINISH LEVEL (UNO)	CEILING FINISH	WINDOW COVERINGS	COMMENTS
					NORTH	EAST	SOUTH	WEST				
LEVEL 6												
COMMON LIVING AREA	2,246 SF	M601	CPT-5 / CPT-10	B-2	P-1 / P-4 / AP-1	P-1	P-1 / P-4 / AP-1	P-1		ACP-1 / P-1 / AP-1		SEE ELEVATION DRAWINGS, AP-1 AS ALTERNATE TO PAINTED GYP. TYP.
GREAT ROOM	736 SF	M602	CPT-6 / RF-2	B-2	DP-3 / DP-4	P-1	P-1	P-1		WD-2		SEE ELEVATION DRAWINGS
LAUNDRY	274 SF	M603	RF-2	B-1	P-1	P-1	P-1	P-1		ACP-1		
JANITOR	48 SF	M604	CONC-1	B-1	P-1	P-1	P-1	P-1		P-1		
TOILET	55 SF	M605	T-11	B-6	P-1 / T-13	P-1 / T-13	P-1 / T-13	P-1 / T-13		P-1		SEE ELEVATION DRAWINGS TYP.
ROOM	248 SF	M606	CPT-6	B-2	P-1	P-5	P-1	P-1 / TK-1		NONE		SEE ROOM ELEVATION FOR TACKABLE SURFACE LOCATION, TYP.
BATH	176 SF	M607	T-11 / T-15	B-6	P-1 / T-13	P-1 / T-13	P-1 / T-13	P-1 / T-13		P-1		
ROOM	248 SF	M608	CPT-6	B-2	P-1	P-5	P-1	P-1 / TK-1		NONE		
ROOM	248 SF	M609	CPT-6	B-2	P-1	P-5	P-1	P-1 / TK-1		NONE		
BATH	176 SF	M610	T-11 / T-15	B-6	P-1 / T-13	P-1 / T-13	P-1 / T-13	P-1 / T-13		P-1		
ROOM	248 SF	M611	CPT-6	B-2	P-1	P-5	P-1	P-1 / TK-1		NONE		
ROOM	248 SF	M612	CPT-6	B-2	P-1	P-5	P-1	P-1 / TK-1		NONE		
BATH	176 SF	M613	T-11 / T-15	B-6	P-1 / T-13	P-1 / T-13	P-1 / T-13	P-1 / T-13		P-1		
ROOM	248 SF	M614	CPT-6	B-2	P-1	P-5	P-1	P-1 / TK-1		NONE		
NOOK	78 SF	M615	CPT-5	B-2	P-1	P-4	P-1	P-7		P-1		
ROOM	248 SF	M616	CPT-6	B-2	P-1	P-5	P-1	P-1 / TK-1		NONE		
BATH	176 SF	M617	T-11 / T-15	B-6	P-1 / T-13	P-1 / T-13	P-1 / T-13	P-1 / T-13		P-1		
ROOM	248 SF	M618	CPT-6	B-2	P-1	P-5	P-1	P-1 / TK-1		NONE		
STORAGE	117 SF	M619	CONC-1	B-1	P-1	P-1	P-1	P-1		P-1		
STUDY LOUNGE	398 SF	M620	CPT-5	B-2	P-1	WRIT-1 / P-1	P-1	P-1		WD-2		48 SQ. FT. OF WRITABLE SURFACE ON EAST WALL TYP.
IDF	87 SF	M621	CONC-1	B-1	P-1	P-1	P-1	P-1		P-1		
ELEC	45 SF	M622	CONC-1	B-1	P-1	P-1	P-1	P-1		P-1		
BATH	74 SF	M623	T-11 / T-15	B-6	P-1 / T-13	P-1 / T-13	P-1 / T-13	P-1 / T-13		P-1		
ROOM	248 SF	M624	CPT-6	B-2	P-1	P-5	P-1	P-1 / TK-1		NONE		
ROOM	248 SF	M625	CPT-6	B-2	P-1	P-5	P-1	P-1 / TK-1		NONE		
BATH	177 SF	M626	T-11 / T-15	B-6	P-1 / T-13	P-1 / T-13	P-1 / T-13	P-1 / T-13		P-1		
ROOM	248 SF	M627	CPT-6	B-2	P-1	P-1	P-1	P-1		NONE		
ROOM	248 SF	M628	CPT-6	B-2	P-1	P-5	P-1	P-1 / TK-1		NONE		
BATH	176 SF	M629	T-11 / T-15	B-6	P-1 / T-13	P-1 / T-13	P-1 / T-13	P-1 / T-13		P-1		
ROOM	248 SF	M630	CPT-6	B-2	P-1	P-5	P-1	P-1 / TK-1		NONE		
ROOM	245 SF	M631	CPT-6	B-2	P-1	P-5	P-1	P-1 / TK-1		NONE		
BATH	152 SF	M632	T-11 / T-15	B-6	P-1 / T-13	P-1 / T-13	P-1 / T-13	P-1 / T-13		P-1		
ROOM	245 SF	M633	CPT-6	B-2	P-1	P-5	P-1	P-1 / TK-1		NONE		
ADA ROOM	248 SF	M634	CPT-6		P-1	P-1	P-1	P-5		NONE		
ADA BATH	215 SF	M635	T-11 / T-15	B-6	P-1 / T-13	P-1 / T-13	P-1 / T-13	P-1 / T-13		P-1		
ADA ROOM	248 SF	M636	CPT-6		P-1	P-5	P-1	P-1		NONE		
RA ROOM	211 SF	M637	CPT-6	B-2	P-1	P-5	P-1	P-1		NONE		
RA BATH	62 SF	M638	RF-2	B-1	P-1	P-1	P-1	P-1		P-1		
TRASH ROOM	77 SF	M639	CONC-1	B-1	P-1 / FRP-1	P-1 / FRP-1	P-1 / FRP-1	P-1 / FRP-1		P-1		
COMMON LIVING AREA	2,281 SF	N601	CPT-7 / CPT-11	B-2	P-1 / P-4 / AP-1	P-1	P-1 / P-4 / AP-1	P-1		ACP-1 / P-1 / AP-1		SEE ELEVATION DRAWINGS, AP-1 AS ALTERNATE TO PAINTED GYP. TYP.
GREAT ROOM	735 SF	N602	CPT-7 / RF-3	B-2	DP-5 / DP-6 / DP-7	P-1	P-1	P-1		WD-3		SEE ELEVATION DRAWINGS
LAUNDRY	274 SF	N603	RF-3	B-1	P-1	P-1	P-1	P-1		ACP-1		
JANITOR	49 SF	N604	CONC-1	B-1	P-1 / FRP-1	P-1 / FRP-1	P-1 / FRP-1	P-1 / FRP-1				
TOILET	55 SF	N605	T-12	B-7	P-1 / T-13	P-1 / T-13	P-1 / T-13	P-1 / T-13		P-1		
ROOM	248 SF	N606	CPT-8	B-2	P-1	P-5	P-1	P-1 / TK-1		NONE		
BATH	176 SF	N607	T-12 / T-16	B-7	P-1 / T-13	P-1 / T-13	P-1 / T-13	P-1 / T-13		P-1		
ROOM	248 SF	N608	CPT-8	B-2	P-1	P-5	P-1	P-1 / TK-1		NONE		
ROOM	248 SF	N609	CPT-8	B-2	P-1	P-5	P-1	P-1 / TK-1		NONE		
BATH	176 SF	N610	T-12 / T-16	B-7	P-1 / T-13	P-1 / T-13	P-1 / T-13	P-1 / T-13		P-1		
ROOM	248 SF	N611	CPT-8	B-2	P-1	P-5	P-1	P-1 / TK-1		NONE		
ROOM	248 SF	N612	CPT-8	B-2	P-1	P-5	P-1	P-1 / TK-1		NONE		
BATH	176 SF	N613	T-12 / T-16	B-7	P-1 / T-13	P-1 / T-13	P-1 / T-13	P-1 / T-13		P-1		
ROOM	248 SF	N614	CPT-8	B-2	P-1	P-5	P-1	P-1 / TK-1		NONE		
NOOK	66 SF	N615	CPT-7	B-2	P-1	P-4	P-1	P-8		P-1		
ROOM	248 SF	N616	CPT-8	B-2	P-1	P-5	P-1	P-1 / TK-1		NONE		
BATH	178 SF	N617	T-12 / T-16	B-7	P-1 / T-13	P-1 / T-13	P-1 / T-13	P-1 / T-13		P-1		
ROOM	259 SF	N618	CPT-8	B-2	P-1	P-5	P-1	P-1 / TK-1		NONE		
STORAGE	113 SF	N619	CONC-1	B-1	P-1	P-1	P-1	P-1		P-1		
STUDY LOUNGE	262 SF	N620	CPT-7	B-2	P-1	P-1	P-1	P-1		WD-3		48 SQ. FT. OF WRITABLE SURFACE ON EAST WALL
IDF	87 SF	N621	CONC-1	B-1	P-1	P-1	P-1	P-1		P-1		
ELEC	69 SF	N622	CONC-1	B-1	P-1	P-1	P-1	P-1		P-1		
BATH	76 SF	N623	T-12 / T-16	B-7	P-1 / T-13	P-1 / T-13	P-1 / T-13	P-1 / T-13		P-1		
ROOM	248 SF	N624	CPT-8	B-2	P-1	P-5	P-1	P-1 / TK-1		NONE		
ROOM	248 SF	N625	CPT-8	B-2	P-1	P-5	P-1	P-1 / TK-1		NONE		
BATH	177 SF	N626	T-12 / T-16	B-7	P-1 / T-13	P-1 / T-13	P-1 / T-13	P-1 / T-13		P-1		
ROOM	248 SF	N627	CPT-8	B-2	P-1	P-5	P-1	P-1 / TK-1		NONE		
ROOM	248 SF	N628	CPT-8	B-2	P-1	P-5	P-1	P-1 / TK-1		NONE		
BATH	175 SF	N629	T-12 / T-16	B-7	P-1 / T-13	P-1 / T-13	P-1 / T-13	P-1 / T-13		P-1		
ROOM	248 SF	N630	CPT-8	B-2	P-1	P-5	P-1	P-1 / TK-1		NONE		
ROOM	245 SF	N631	CPT-8	B-2	P-1	P-5	P-1	P-1 / TK-1		NONE		
BATH	152 SF	N632	T-12 / T-16	B-7	P-1 / T-13	P-1 / T-13	P-1 / T-13	P-1 / T-13		P-1		
ROOM	245 SF	N633	CPT-8	B-2	P-1	P-5	P-1	P-1 / TK-1		NONE		
ADA ROOM	248 SF	N634	CPT-8	B-2	P-1	P-1	P-1	P-5		NONE		
ADA BATH	215 SF	N635	T- 12 / T-16	B-7	P-1 / T-13	P-1 / T-13	P-1 / T-13	P-1 / T-13		P-1		
ADA ROOM	248 SF	N636	CPT-8	B-2	P-1	P-5	P-1	P-1		NONE		
RA BATH	62 SF	N637	RF-3	B-1	P-1	P-1	P-1	P-1		P-1		
RA ROOM	211 SF	N638	CPT-8	B-2	P-1	P-5	P-1	P-1		NONE		
Room	248 SF	S262										
Room	247 SF	S263										
COMMON LIVING AREA	2,218 SF	S601	CPT-3 / CPT-9	B-2	P-1 / P-4 / AP-1	P-1	P-1 / P-4 / AP-1	P-1		ACP-1 / P-1 / AP-1		SEE ELEVATION DRAWINGS, AP-1 AS ALTERNATE TO PAINTED GYP. TYP.
GREAT ROOM	757 SF	S602	CPT--4 / RF-1	B-2	DP-1 / DP-2	P-1	P-1	P-1		WD-1		SEE ELEVATION DRAWINGS
LAUNDRY	274 SF	S603	RF-1	B-1	P-1	P-1	P-1	P-1		ACP-1		
JANITOR	48 SF	S604	CONC-1	B-1	P-1 / FRP-1	P-1 / FRP-1	P-1 / FRP-1	P-1 / FRP-1		P-1		
RR	55 SF	S605	CONC-1	B-1	P-1 / FRP-1	P-1 / FRP-1	P-1 / FRP-1	P-1 / FRP-1		P-1		
ROOM	247 SF	S606	CPT-4	B-2	P-1	P-5	P-1	P-1 / TK-1		NONE		
BATH	176 SF	S607	T-10 / T-14	B-5	P-1 / T-13	P-1 / T-13	P-1 / T-13	P-1 / T-13		P-1		
ROOM	248 SF	S608	CPT-4	B-2	P-1	P-5	P-1	P-1 / TK-1		NONE		
ROOM	247 SF	S609	CPT-4	B-2	P-1	P-5	P-1	P-1 / TK-1		NONE		
BATH	176 SF	S610	T-10 / T-14	B-5	P-1 / T-13	P-1 / T-13	P-1 / T-13	P-1 / T-13		P-1		
ROOM	248 SF	S611	CPT-4	B-2	P-1	P-5	P-1	P-1 / TK-1		NONE		
ROOM	247 SF	S612	CPT-4	B-2	P-1	P-5	P-1	P-1 / TK-1		NONE		
BATH	177 SF	S613	T-10 / T-14	B-5	P-1 / T-13	P-1 / T-13	P-1 / T-13	P-1 / T-13		P-1		
ROOM	248 SF	S614	CPT-4	B-2	P-1	P-5	P-1	P-1 / TK-1		NONE		
NOOK	79 SF	S615	CPT-3	B-2	P-1	P-4	P-1	P-6		P-1		
BATH	178 SF	S617	T-10 / T-14	B-5	P-1 / T-13	P-1 / T-13	P-1 / T-13	P-1 / T-13		P-1		
ROOM	248 SF	S618	CPT-4	B-2	P-1	P-5	P-1	P-1 / TK-1		NONE		
STORAGE	107 SF	S619	CONC-1	B-1	P-1	P-1	P-1	P-1		P-1		
STUDY LOUNGE	403 SF	S620	CPT-3	B-2	P-1	P-1	P-1	P-1		WD-1		48 SQ. FT. OF WRITABLE SURFACE ON EAST WALL

FINISH SCHEDULE (RES LEVEL 6)_MESA COURT EXPANSION

NAME	Area	NUMBER	FLOOR FINISH	BASE FINISH	WALL FINISH				GWB FINISH LEVEL (UNO)	CEILING FINISH	WINDOW COVERINGS	COMMENTS
					NORTH	EAST	SOUTH	WEST				
IDF	88 SF	S621	CONC-1	B-1	P-1	P-1	P-1	P-1		P-1		
ELEC	46 SF	S622	CONC-1	B-1	P-1	P-1	P-1	P-1		P-1		
ROOM	248 SF	S623	CPT-4	B-2	P-1	P-5	P-1	P-1 / TK-1		NONE		
BATH	75 SF	S624	T-10 / T-14	B-5	P-1 / T-13	P-1 / T-13	P-1 / T-13	P-1 / T-13		P-1		
BATH	177 SF	S626	T-10 / T-14	B-5	P-1 / T-13	P-1 / T-13	P-1 / T-13	P-1 / T-13		P-1		
ROOM	248 SF	S627	CPT-4	B-2	P-1	P-5	P-1	P-1 / TK-1		NONE		
ROOM	248 SF	S628	CPT-4	B-2	P-1	P-5	P-1	P-1 / TK-1		NONE		
BATH	176 SF	S629	T-10 / T-14	B-5	P-1 / T-13	P-1 / T-13	P-1 / T-13	P-1 / T-13		P-1		
ROOM	248 SF	S630	CPT-4	B-2	P-1	P-5	P-1	P-1 / TK-1		NONE		
ROOM	248 SF	S631	CPT-4	B-2	P-1	P-5	P-1	P-1 / TK-1		NONE		
BATH	175 SF	S632	T-10 / T-14	B-5	P-1 / T-13	P-1 / T-13	P-1 / T-13	P-1 / T-13		P-1		
ROOM	248 SF	S633	CPT-4	B-2	P-1	P-5	P-1	P-1 / TK-1		NONE		
ADA ROOM	248 SF	S634	CPT-4		P-1	P-1	P-1	P-5		NONE		
ADA BATH	215 SF	S635	T-10 / T-14	B-5	P-1 / T-13	P-1 / T-13	P-1 / T-13	P-1 / T-13		P-1		
ADA ROOM	246 SF	S636	CPT-4		P-1	P-5	P-1	P-1		NONE		
RA ROOM	211 SF	S637	CPT-4	B-2	P-1	P-5	P-1	P-1		NONE		
RA BATH	61 SF	S638	T-10 / T-14	B-5	P-1 / T-13	P-1 / T-13	P-1 / T-13	P-1 / T-13		P-1		
TRASH ROOM		S639	CONC-1	B-1	P-1	P-1	P-1	P-1		NONE		

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HENSEL PHELPS
Plan. Build. Manage.

PROJECT
MESA COURT EXPANSION

LOCATION
IRVINE, CA

PREPARED FOR

UCI
University of California, Irvine

Design & Construction Services
5201 California Ave Suite 250
Irvine, CA 92697

UCI PROJECT NO.
996296

KEYMAP

NO.	DATE	REVISION

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TN
PROJECT TEAM MEMBERS
MD, AO, ZJ, CH, SG, EM, KP
CHECK
KB

ARCHITECT SEAL

TITLE
FINISH SCHEDULE LEVEL 6
PROJECT NO.
13292.00
DATE
MAY 30, 2014

SHEET NUMBER
A10.04
DESIGN DEVELOPMENT

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ORIGINAL SHEET SIZE 30" x 42"

NOT FOR CONSTRUCTION

INTERIOR FINISH LEGEND

ITEM #	DESCRIPTION	MANUFACTURER	STYLE/MODEL#	COLOR/FINISH	SIZE/TYPE	CONTACT	COMMENTS
ACOUSTIC CEILING PANEL							
ACP-1	ACOUSTIC CEILING PANEL						
ACOUSTIC PANEL							
AP-1	ACOUSTIC PANEL	SNAPTEX					AT RESIDENTIAL CORRIDOR GATHERING SPACES ON WALL
BASE							
B-1	BASE	ROPPE		123 CHARCOAL	4" STANDARD TOE		OVERALL RUBBER WALL BASE
B-2	BASE	PER CONTRACTOR SPECIFICATION	PAINTED MDF	TO MATCH ADJACENT WALL	4" HIGH		OVERALL MDF WALL BASE
B-3	BASE		TILE COVE BASE				PUBLIC RESTROOM COVE BASE
B-4	BASE	DALTILE	QUARRY TILE / Q-3565	ARID GRAY	5 X 6" COVE BASE	CHUCK HILL 206.999.6890 CHUCK.HILL@DALTILE.COM	QUARRY TILE COVE BASE
B-5	BASE	DALTILE	UNITY / S-36C9T	GRIGIO P402 / UNPOLISHED	6 X 12" COVE BASE	CHUCK HILL 206.999.6890 CHUCK.HILL@DALTILE.COM	PLAYA RESTROOM COVE BASE (COORDINATES WITH T-10)
B-6	BASE	DALTILE	UNITY / S-36C9T	TOBACCO P403 / UNPOLISHED	6 X 12" COVE BASE	CHUCK HILL 206.999.6890 CHUCK.HILL@DALTILE.COM	CABALLO RESTROOM COVE BASE (COORDINATES WITH T-11)
B-7	BASE	DALTILE	UNITY / S-36C9T	ASHGREY P405 / UNPOLISHED	6 X 12" COVE BASE	CHUCK HILL 206.999.6890 CHUCK.HILL@DALTILE.COM	MARIPOSA RESTROOM COVE BASE (COORDINATES WITH T-12)
CARPET							
CPT-1	CARPET	INTERFACE	RECLAIM / 127530AK00	104147 COTTAGE TAUPE	25 CM X 1 M TILE	LYNN ALLEN 425.931.2366 Lynn.Allen@interfaceflor.com	OVERALL PODIUM CARPET
CPT-2	CARPET	INTERFACE				LYNN ALLEN 425.931.2366 Lynn.Allen@interfaceflor.com	PRIVATE OFFICE CARPET
CPT-3	CARPET	INTERFACE	GROUND WAVES / 138730AK00	104056 PEWTER / COLORS	25 CM X 1 M TILE	LYNN ALLEN 425.931.2366 Lynn.Allen@interfaceflor.com	PLAYA RESIDENTIAL CORRIDOR CARPET, ASHLAR INSTALLATION
CPT-4	CARPET	INTERFACE	HARMONIZE	104044 PEWTER	25 CM X 1 M TILE	LYNN ALLEN 425.931.2366 Lynn.Allen@interfaceflor.com	PLAYA RESIDENTIAL UNIT CARPET, ASHLAR INSTALLATION
CPT-5	CARPET	INTERFACE	RECLAIM / 127530AK00	104146 WORN OLIVE	25 CM X 1 M TILE	LYNN ALLEN 425.931.2366 Lynn.Allen@interfaceflor.com	CABALLO RESIDENTIAL CORRIDOR CARPET, ASHLAR INSTALLATION
CPT-6	CARPET	INTERFACE	HARMONIZE	104042 IRON	25 CM X 1 M TILE	LYNN ALLEN 425.931.2366 Lynn.Allen@interfaceflor.com	CABALLO RESIDENTIAL UNIT CARPET, ASHLAR INSTALLATION
CPT-7	CARPET	INTERFACE	GROUND WAVES / 138730AK00	CUSTOM (GULL FIELD, PRAIRIE COLORS)	25 CM X 1 M TILE	LYNN ALLEN 425.931.2366 Lynn.Allen@interfaceflor.com	MARIPOSA RESIDENTIAL CORRIDOR CARPET, ASHLAR INSTALLATION
CPT-8	CARPET	INTERFACE	HARMONIZE /	104047 GULL	25 CM X 1 M TILE	LYNN ALLEN 425.931.2366 Lynn.Allen@interfaceflor.com	MARIPOSA RESIDENTIAL UNIT CARPET, ASHLAR INSTALLATION
CPT-9	CARPET	INTERFACE	ON LINE		25 CM X 1 M TILE	LYNN ALLEN 425.931.2366 Lynn.Allen@interfaceflor.com	PLAYA RESIDENTIAL CORRIDOR ACCENT CARPET
CPT-10	CARPET	INTERFACE	ON LINE		25 CM X 1 M TILE	LYNN ALLEN 425.931.2366 Lynn.Allen@interfaceflor.com	CABALLO RESIDENTIAL CORRIDOR ACCENT CARPET
CPT-11	CARPET	INTERFACE	ON LINE		25 CM X 1 M TILE	LYNN ALLEN 425.931.2366 Lynn.Allen@interfaceflor.com	MARIPOSA RESIDENTIAL CORRIDOR ACCENT CARPET
CARPET WALK-OFF							
CPT W.O.-1	CARPET WALK-OFF	INTERFACE	SUPER FLOR	609009 / MOUSE GREY	50 CM X 50 CM TILE	LYNN ALLEN 425.931.2366 Lynn.Allen@interfaceflor.com	PODIUM WALK-OFF MAT, QUARTER-TURN INSTALLATION
CONCRETE							
CONC-1	CONCRETE		FLOOR SEALER COAT				BACK OF HOUSE AND SERVICE AREAS - FLOORS
CONC-2	CONCRETE		POLISHED CONCRETE FLOOR				MISC. PUBLIC AREAS
DECORATIVE PANEL							
DP-1	DECORATIVE PANEL	LUMICOR	LUMINOUS	PACIFIC, MATTE FINISH	24MM THICKNESS,	GEORGE TOMISSER george.tomisser@comcast.net	PLAYA GREAT ROOM ACCENT PANEL
DP-2	DECORATIVE PANEL	3FORM	CHROMA	SEA + CBLT.+SURF*2 + GHOST, MATTE FINISH	25.4MM THICKNESS	JO SPIGEL 206.697.0311	PLAYA GREAT ROOM ACCENT PANEL
DP-3	DECORATIVE PANEL	3FORM	CHROMA	MOSS, MATTE FINISH	25.4MM THICKNESS	JO SPIGEL 206.697.0311	CABALLO GREAT ROOM ACCENT PANEL
DP-4	DECORATIVE PANEL	3FORM	CHROMA	MOSS + LAWN + SABLE*2 + WHITE.O., MATTE FINISH	25.4MM THICKNESS	JO SPIGEL 206.697.0311	CABALLO GREAT ROOM ACCENT PANEL
DP-5	DECORATIVE PANEL	LIGHTBLOCKS	ICE WITH RESIN				MARIPOSA GREAT ROOM ACCENT PANEL
DP-6	DECORATIVE PANEL	3FORM	CHROMA	MAI TAI, MATTE FINSIH	25.4MM THICKNESS	JO SPIGEL 206.697.0311	MARIPOSA GREAT ROOM ACCENT PANEL
DP-7	DECORATIVE PANEL	3FORM	CHROMA	VITAMIN C, MATTE FINISH	25.4MM THICKNESS	JO SPIGEL 206.697.0311	MARIPOSA GREAT ROOM ACCENT PANEL
DRAPERY SHADE							
DSS-1	DRAPERY SHADE	MECHOSHADE	ECOVEIL	TBD	3% OPENNESS FACTOR	LARRY HARTMAN 206-842-1846	MISC AREAS
FIBERGLASS REINFORCED PLASTIC							
FRP-1	FIBERGLASS REINFORCED PLASTIC	MARLITE	STANDARD FRP	TBD - VFY W/ ARCHITECT			JANITOR, 48" WAINSCOT
GLASS							
G-1	GLASS	PER CONTRACTOR SPECIFICATION	WRITABLE GLASS				
GROUT							
GRT-1	GROUT	TBD		TBD - VFY W/ ARCHITECT			FLOOR TILE GROUT TO MATCH ASSOCIATED TILE-TBD
GRT-2	GROUT	TBD		TBD - VFY W/ ARCHITECT			WALL TILE GROUT TO MATCH ASSOCIATED TILE-TBD
METAL							
MTL-1	METAL			RAW UNFINISHED			
MTL-2	METAL			STAINLESS STEEL - BRUSHED			
MTL-4	METAL			POWDER COATED - COLOR TBD			
MTL-5	METAL			PAINTED - PLATE STEEL			
PAINT							
P-1	PAINT	SHERWIN WILLIAMS	PER CONTRACTOR SPECIFICATION	SW7006 EXTRA WHITE			OVERALL FIELD PAINT
P-2	PAINT	SHERWIN WILLIAMS	PER CONTRACTOR SPECIFICATION	SW7541 GRECIAN IVORY			PODIUM DINING AND AMENITY ACCENT PAINT
P-3	PAINT	SHERWIN WILLIAMS	PER CONTRACTOR SPECIFICATION	SW7504 KEYSTONE GRAY			PODIUM DINING AND AMENITY ACCENT PAINT
P-4	PAINT	SHERWIN WILLIAMS	CHALKBOARD PAINT				DINING, RESIDENTIAL CHALKBOARD ACCENT PAINT
P-5	PAINT	SHERWIN WILLIAMS	PER CONTRACTOR SPECIFICATION	SW7051 ANALYTICAL GRAY			UNIT ACCENT PAINT
P-6	PAINT	SHERWIN WILLIAMS	PER CONTRACTOR SPECIFICATION	SW6479 DRIZZLE			PLAYA RESIDENTIAL ACCENT PAINT
P-7	PAINT	SHERWIN WILLIAMS	PER CONTRACTOR SPECIFICATION	SW6404 GRANDIOSE			CABALLO RESIDENTIAL ACCENT PAINT
P-8	PAINT	SHERWIN WILLIAMS	PER CONTRACTOR SPECIFICATION	SW6678 SUNFLOWER			MARIPOSA RESEDENTIAL ACCENT PAINT

INTERIOR FINISH LEGEND

ITEM #	DESCRIPTION	MANUFACTURER	STYLE/MODEL#	COLOR/FINISH	SIZE/TYPE	CONTACT	COMMENTS
PLASTIC LAMINATE							
PL-1	PLASTIC LAMINATE	FORMICA	COLOR CORE / 7223C-90	NEW WHITE GLOSS FINISH	-	ANGELA WINGERT 206.387.2780 ANGELA.WINGERT@FORMICA.COM	RESIDENTIAL GREAT ROOM CASEWORK FACES
PL-2	PLASTIC LAMINATE	FORMICA					DINING BEVERAGE AND CONDIMENT STATION CASEWORK
RESILIENT FLOORING							
RF-1	RESILIENT FLOORING	FORBO	MARMOLEUM CONCRETE (SHEET)	FOSSIL	79"W X 105'L X 2.5MM THICKNESS	ANNA ANDERSON 425 239 9804 ANNA.ANDERSON@FORBO.COM	PLAYA GREAT ROOM KITCHEN AND LAUNDRY FLOORING
RF-2	RESILIENT FLOORING	FORBO	MARMOLEUM CONCRETE (SHEET)	SILT	79"W X 105'L X 2.5MM THICKNESS	ANNA ANDERSON 425 239 9804 ANNA.ANDERSON@FORBO.COM	CABALLO GREAT ROOM KITCHEN AND LAUNDRY FLOORING
RF-3	RESILIENT FLOORING	FORBO	MARMOLEUM CONCRETE (SHEET)	SATELLITE	79"W X 105'L X 2.5MM THICKNESS	ANNA ANDERSON 425 239 9804 ANNA.ANDERSON@FORBO.COM	MARIPOSA GREAT ROOM KITCHEN AND LAUNDRY FLOORING
RF-4	RESILIENT FLOORING	FORBO	MARMOLEUM CONCRETE (SHEET)		279"W X 105'L X 2.5MM THICKNESS	ANNA ANDERSON 425 239 9804 ANNA.ANDERSON@FORBO.COM	MISC., UTILITY / CUSTODIAN ROOM FLOORING
RF-5	RESILIENT FLOORING	FORBO	MARMOLEUM CONCRETE (SHEET)	METEORITE	79"W X 105'L X 2.5MM THICKNESS	ANNA ANDERSON 425 239 9804 ANNA.ANDERSON@FORBO.COM	LOWER LEVEL, PODIUM FLOORING
RF-6	RESILIENT FLOORING		RUBBER ATHLETIC FLOORING				FITNESS ROOM
RF-7	RESILIENT FLOORING	FORBO	FLOTEX SHEET	METRO	78.74" X 40.4"	ANNA ANDERSON 425 239 9804 ANNA.ANDERSON@FORBO.COM	DINING ACCENT FLOORING
RF-8	RESILIENT FLOORING	FORBO	FLOTEX SHEET	METRO	78.74" X 40.4"	ANNA ANDERSON 425 239 9804 ANNA.ANDERSON@FORBO.COM	DINING ACCENT FLOORING
SOLID SURFACE							
SS-1	SOLID SURFACE	SQUAK MOUNTAIN STONE	SQUAK MOUNTAIN STONE SLAB	LATTE	56" X 96" X 1 3/8" (NOMINAL THICKNESS)		PLAYA GREAT ROOM KITCHEN COUNTER SURFACE
SS-2	SOLID SURFACE	SQUAK MOUNTAIN STONE	SQUAK MOUNTAIN STONE SLAB	HAZEL	56" X 96" X 1 3/8" (NOMINAL THICKNESS)		CABALLO GREAT ROOM KITCHEN COUNTER SURFACE
SS-3	SOLID SURFACE	SQUAK MOUNTAIN STONE	SQUAK MOUNTAIN STONE SLAB	NATURAL	56" X 96" X 1 3/8" (NOMINAL THICKNESS)		MARIPOSA GREAT ROOM KITCHEN COUNTER SURFACE
SS-4	SOLID SURFACE	PENTAL	PENTALQUARTZ	BS300P SANTA FE TAN POLISHED	3/4" SLAB THICKNESS	JENNIFER HAYDEN 206.255.1714 JENNIFER@PENTALONLINE.COM	PLAYA UNIT RESTROOM AND LAUNDRY COUNTERTOP
SS-5	SOLID SURFACE	PENTAL	PENTALQUARTZ	BS4010P OASIS POLISHED	3/4" SLAB THICKNESS	JENNIFER HAYDEN 206.255.1714 JENNIFER@PENTALONLINE.COM	CABALLO UNIT RESTROOM AND LAUNDRY COUNTERTOP
SS-6	SOLID SURFACE	PENTAL	PENTALQUARTZ	BS182P ALTEA POLISHED	3/4" SLAB THICKNESS	JENNIFER HAYDEN 206.255.1714 JENNIFER@PENTALONLINE.COM	MARIPOSA UNIT RESTROOM AND LAUNDRY COUNTERTOP
SS-7	SOLID SURFACE	PENTAL	PENTALQUARTZ		3/4" SLAB THICKNESS	JENNIFER HAYDEN 206.255.1714 JENNIFER@PENTALONLINE.COM	DINING PLATFORM COUNTERTOP
TACKABLE SURFACE							
TK-1	TACKABLE SURFACE	WALLTALKERS	TAC-WALL	04 STONE	1/4" THICKNESS		RESIDENTIAL UNIT TACKABLE SURFACE, SPECIFY WITH ALUMINUM TRIM
TILE							
T-1	TILE	BRIX / STATEMENTS TILE	I FRAMMENTI	AZURE MATTE	1/5" X 1/5" ON 12 X 12 SHEET	JILL REID 206.250.2415 JILLR@STATEMENTSTILE.COM	PLAYA GREAT ROOM KITCHEN BACKSPLASH
T-2	TILE						DINING ACCENT TILE
T-3	TILE	JASBA / UNITED TILE	LOOP	LEMON YELLOW GLOSSY	0.5 X 0.5	LISA ANDERSON 425.251.5290 LISA@UNITEDTILE.COM	CABALLO GREAT ROOM KITCHEN BACKSPLASH
T-5	TILE	EMSER TILE	IMAGE	CONCEPT, GLOSS	0.5 X 0.5	TED MULARONI 206.713.6410 TED MULARONI@EMSER.COM	MARIPOSA GREAT ROOM KITCHEN BACKSPLASH
T-7	TILE						PUBLIC RESTROOM FLOOR TILE
T-8	TILE						PUBLIC RESTROOM WALL TILE
T-9	TILE	DALTILE	QUARRY TILE	0Q42 ARID GRAY	6 X 6 FIELD TILE	CHUCK HILL 206.999.6890 CHUCK.HILL@DALTILE.COM	DINING BACK OF HOUSE QUARRY TILE
T-10	TILE	DALTILE	UNITY	P402 GRIGIO / UNPOLISHED	12 X 12 FIELD TILE	CHUCK HILL 206.999.6890 CHUCK.HILL@DALTILE.COM	PLAYA UNIT RESTROOM FLOOR TILE
T-11	TILE	DALTILE	UNITY	P403 TOBACCO / UNPOLISHED	12 X 12 FIELD TILE	CHUCK HILL 206.999.6890 CHUCK.HILL@DALTILE.COM	CABALLO UNIT RESTROOM FLOOR TILE
T-12	TILE	DALTILE	UNITY	P405 ASHGREY / UNPOLISHED	12 X 12 FIELD TILE	CHUCK HILL 206.999.6890 CHUCK.HILL@DALTILE.COM	MARIPOSA UNIT RESTROOM FLOOR TILE
T-13	TILE	STATEMENTS TILE	SUBWAY	WHITE	4 X 12 FIELD TILE	JILL REID 206.250.2415 JILLR@STATEMENTSTILE.COM	UNIT RESTROOM WALL TILE / 7'-2" WAINSCOT
T-14	TILE				3 X 3 FIELD TILE		PLAYA, CABALLO, MARIPOSA UNIT RESTROOM SHOWER FLOOR TILE
T-15	TILE	LAMINAM					DINING PLATFORM PANELING
WHITE OAK PANELING							
WD-7	WHITE OAK PANELING	PER CONTRACTOR SPECIFICATION					DINING PLATFORM SOFFIT WRAP
WOOD							
WD-1	WOOD	9 WOOD	LINEAR WOOD CEILING	WIDE PINE, BURNISHED-UNFINISHED			PLAYA ACCENT WOOD PANEL OR CEILING ELEMENT
WD-2	WOOD	9 WOOD	LINEAR WOOD CEILING	RECLAIMED DOUGLAS FIR	JW4/104, 1/4" GAP		CABALLO ACCENT WOOD PANEL OR CEILING ELEMENT
WD-3	WOOD	9 WOOD	LINEAR WOOD CEILING	RECLAIMED VG HEART PINE, WIRE BRUSHED, WHITEWASHED			MARIPOSA ACCENT WOOD PANEL OR CEILING ELEMENT
WD-4	WOOD	9 WOOD	LINEAR WOOD CEILING	WHITE OAK			DINING SPACE CEILING ELEMENT
WD-5	WOOD	TERAGREN	SYNERGY BAMBOO FLOORING				BAMBOO FLOORING
WD-6	WOOD	PER CONTRACTOR SPECIFICATION	PLYWOOD, CLEAR COAT		4 X 8 SHEETS		PLYWOOD WALL PANEL
WRITABLE SURFACE							
WRIT-1	WRITABLE SURFACE	EGAN	VERSAPRO DIMENSION BOARD				STUDY LOUNGE WRITABLE SURFACE

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1 LOWER LEVEL
1/16" = 1'-0"

PRELIMINARY FINISH PLAN KEY

- CONC-1
- CONC-2
- CPT-1
- CPT-2
- CPT-7
- CPT-8
- EXT. PAVERS
- RF-3
- RF-5
- RF-7
- T-2
- T-7
- T-9
- T-12
- WD-5
- WO-1

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Plan. Build. Manage.

PROJECT
MESA COURT
EXPANSION

LOCATION
IRVINE, CA

PREPARED FOR
UCI
University of California, Irvine
Design & Construction
Services
5201 California Ave Suite 250
Irvine, CA 92697

UCI PROJECT NO.
996296

KEYMAP

NO.	DATE	REVISION

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TN
PROJECT TEAM MEMBERS
MD, AO, ZJ, CH, SG, EM, KP
CHECK
KB

ARCHITECT SEAL

TITLE
FINISH FLOOR PLAN
LOWER LEVEL

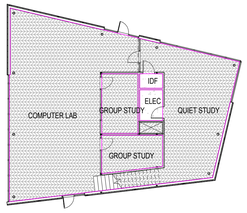
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MAY 30, 2014

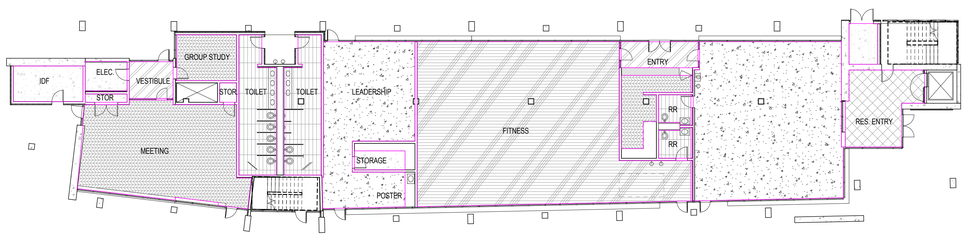
SHEET NUMBER
A10.06
DESIGN DEVELOPMENT
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ORIGINAL SHEET SIZE 30" x 42"

NOT FOR CONSTRUCTION







1 LEVEL 1
1/16" = 1'-0"

PRELIMINARY FINISH PLAN KEY

- CONC-1
- CONC-2
- CPT-1
- CPT-2
- CPT-7
- CPT-8
- EXT. PAVERS
- RF-3
- RF-5
- RF-7
- T-2
- T-7
- T-9
- T-12
- WD-5
- WO-1

MITHUN

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PROJECT
MESA COURT EXPANSION

LOCATION
IRVINE, CA

PREPARED FOR
UCI
University of California, Irvine
Design & Construction Services
5201 California Ave Suite 250
Irvine, CA 92697

UCI PROJECT NO.
996296

KEYMAP

NO.	DATE	REVISION

PROJECT DIRECTOR
BL
PROJECT MANAGER
BL
PROJECT ARCHITECT
TN
PROJECT TEAM MEMBERS
MD, AO, ZJ, CH, SG, EM, KP
CHECK
KB

ARCHITECT SEAL

TITLE
FINISH PLAN LEVEL 1

PROJECT NO.
13292.00
DATE
MAY 30, 2014

SHEET NUMBER
A10.07
DESIGN DEVELOPMENT
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NOTE: MIDDLE AND SOUTH BUILDING ARE THE SAME AS THE NORTH BUILDING SHOWN ABOVE

1 LEVEL 2
1/16" = 1'-0"

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PROJECT MANAGER
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PROJECT ARCHITECT
TN
PROJECT TEAM MEMBERS
MD, AO, ZJ, CH, SG, EM, KP
CHECK
KB

ARCHITECT SEAL

TITLE
FINISH PLAN LEVEL 2 (TYP. RES. FLOOR)
PROJECT NO.
13292.00
DATE
MAY 30, 2014

SHEET NUMBER
A10.08
DESIGN DEVELOPMENT

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STRUCTURAL - GENERAL NOTES

GENERAL REQUIREMENTS

GOVERNING CODE: The design and construction of this project is governed by the **"California Building Code (CBC)", 2013 Edition**, hereafter referred to as the CBC, as adopted and modified by the University of California, Irvine understood to be the Authority Having Jurisdiction (AHJ).

REFERENCE STANDARDS: Refer to Chapter 35 of 2013 CBC. Where other Standards are noted in the drawings, use the latest edition of the standard unless a specific date is indicated. Reference to a specific section in a code does not relieve the contractor from compliance with the entire standard.

DEFINITIONS: The following definitions cover the meanings of certain terms used in these notes:

"**Architect/Engineer**" – The Architect of Record and the Structural Engineer of Record.

- "**Structural Engineer of Record" (SER)** – The structural engineer who is licensed to stamp & sign the structural documents for the project. The SER is responsible for the design of the Primary Structural System.
- "**Submit for review**" - Submit to the Architect/Engineer for review prior to fabrication or construction.
- "**Per Plan**" – Indicates references to the structural plans, elevations and structural general notes.
- **"Specialty Structural Engineer" (SSE) –** A professional engineer (PE or SE), licensed in the State where the project is located, (typically not the SER), who performs specialty structural engineering services for selected specialty-engineered elements identified in the Contract Documents, and who has experience and training in the Specialty. Documents stamped and signed by the SSE shall be completed by or under the direct supervision of the SSE.
- **"Bidder-designed" –** Components of the structure that require the general contractor, subcontractor, or supplier who is responsible for the design, fabrication and installation of specialty-engineered elements identified in the Contract Documents to retain the services of an SSE. Submittals of "Bidder-designed" elements shall be stamped and signed by the SSE.

SPECIFICATIONS: Refer to the project specifications issued as part of the contract documents for information supplemental to these drawings.

OTHER DRAWINGS: Refer to the architectural, mechanical, electrical, civil and plumbing drawings for additional information including but not limited to: dimensions, elevations, slopes, door and window openings, non-bearing walls, stairs, finishes, drains, waterproofing, railings, curtain walls, elevators, curbs, depressions, mechanical unit locations, and other nonstructural items.

STRUCTURAL DETAILS: The structural drawings are intended to show the general character and extent of the project and are not intended to show all details of the work. Use entire detail sheets and specific details referenced in the plans as "typical" wherever they apply. Similarly, use details on entire sheets with "typical" in the name wherever they apply.

STRUCTURAL RESPONSIBILITIES: The structural engineer (SER) is responsible for the strength and stability of the primary structure in its completed form.

COORDINATION: The Contractor is responsible for coordinating details and accuracy of the work; for confirming and correlating all quantities and dimensions; for selecting fabrication processes; for techniques of assembly; and for performing work in a safe and secure manner.

PRE-CONSTRUCTION MEETINGS: The Contractor is responsible for coordinating pre-construction meetings prior to commencing work. Pre-con meetings, scheduled approximately two weeks prior to the start of the relevant work, are required for the following phases of construction: **Post-tensioned slabs, Concrete,**. Attendees for pre-construction meeting are to include contractor, relevant subcontractors, fabricators, inspectors, architect/engineer, and representative of the Authority Having Jurisdiction where required. Meeting agendas are to include review of the work scope, project schedule relevant to the work, contact information of responsible parties, inspection points, review of materials and any special cases or issues, procedures for clarifications if required, testing and acceptance, etc.]

MEANS, METHODS and SAFETY REQUIREMENTS: The contractor is responsible for the means and methods of construction and all job related safety standards such as OSHA and DOSH (Department of Occupational Safety and Health).

BRACING/SHORING DESIGN ENGINEER: The contractor shall at his discretion employ an SSE, a registered professional engineer for the design of any temporary bracing and shoring. Submit construction sequence to Architect/Engineer for review.

TEMPORARY SHORING, BRACING: The contractor is responsible for the strength and stability of the structure during construction and shall provide temporary shoring, bracing and other elements required to maintain stability until the structure is complete. It is the contractor's responsibility to be familiar with the work required in the construction documents and the requirements for executing it properly.

CONSTRUCTION LOADS: Loads on the structure during construction shall not exceed the design loads as noted in DESIGN CRITERIA & LOADS below or the capacity of partially completed construction as determined by the Contractor's SSE for Bracing/Shoring.

CHANGES IN LOADING: The contractor has the responsibility to notify the SER of any architectural, mechanical, electrical, or plumbing load imposed onto the structure that differs from, or that is not documented on the original Contract Documents (architectural / structural / mechanical / electrical or plumbing drawings). Provide documentation of location, load, size and anchorage of all undocumented loads in excess of 400 pounds. Provide marked-up structural plan indicating locations of any new equipment or loads. Submit plans to the Architect/Engineer for review prior to installation.

NOTE PRIORITIES: Plan and detail notes and specific loading data provided on individual plans and detail drawings supplements information in the Structural General Notes.

DISCREPANCIES: In case of discrepancies between the General Notes, Specifications, Plans/Details or Reference Standards, the Architect/Engineer shall determine which shall govern. Discrepancies shall be brought to the attention of the Architect/Engineer before proceeding with the work. Should any discrepancy be found in the Contract Documents, the Contractor will be deemed to have included in the price the most expensive way of completing the work, unless prior to the submission of the price, the Contractor asks for a decision from the Architect as to which shall govern. Accordingly, any conflict in or between the Contract Documents shall not be a basis for adjustment in the Contract Price.

SITE VERIFICATION: The contractor shall verify all dimensions and conditions at the site. Conflicts between the drawings and actual site conditions shall be brought to the attention of the Architect/Engineer before proceeding with the work.

ADJACENT UTILITIES: The contractor shall determine the location of all adjacent underground utilities prior to earthwork, foundations, shoring, and excavation and prior to drilling holes for piles and tieback anchors. Any utility information shown on the drawings and details is approximate and not necessarily complete.

ALTERNATES: Alternate products of similar strength, nature and form for specified items may be submitted with adequate technical documentation (proper test report, etc.) to the Architect/Engineer for review. Alternate materials that are submitted without adequate technical documentation or that significantly deviate from the design intent of materials specified may be returned without review. Alternates that require substantial effort to review will not be reviewed unless authorized by the Owner.

DESIGN CRITERIA AND LOADS

OCCUPANCY:	Risk Category of Building per 2013 CBC Table 1604.5 =	II

WIND DESIGN:	**MAIN WIND FORCE RESISTING SYSTEM**		
	Ultimate Design Wind Speed, V_{ULT} (MPH)		
	Exposure Category		
	Internal Pressure Coefficient	**Cpi =**	+/- 0.18
	Topographic Factor	**Kzt =**	1.0
	Wind Analysis procedure used:		Method 2 – Analytical
	COMPONENT & CLADDING PRESSURES for DESIGN		**PSF**
	Wall Cladding, Typical Zone		
	Wall Cladding, Edge Zone within 10 feet of corners		
	Roof Cladding, Middle Zone		
	Roof Cladding, Edge Zone within 10 feet of edge		
	Roof Cladding, Corner Zone within 10 feet of corners		
	Uplift Load [Net]		

SEISMIC DESIGN:	**Seismic Design Category:**	**SDC =**	D
	Basic Structural System		**Building Frame**
	Seismic Force Resisting System		**Special Reinf Conc Shear Walls**
	Response Modification Factor:	**R =**	6
	System Over strength Factor	**Omega =**	2.5
	Deflection Amplification Factor	**Cd =**	5
	Site Classification per CBC 1613.3.2 & ASCE 7-10, Ch. 20 **Site Class =**		D
	Seismic Importance Factor per ASCE 7-10 Table 1.5-2	**Ie =**	1.25 for North Tower; 1.00 for South Tower
	Spectral Response Acceleration (Short Period)	**S_s =**	1.584
	Spectral Response Acceleration (1-Second Period)	**S_1 =**	0.578
	Spectral Design Response Coefficient (Short Period)	**S_{DS} =**	1.056 g
	Spectral Design Response Coefficient (1-Second Period)	**S_{D1} =**	0.578 g
	Seismic response coefficient(s)	**Cs =**	0.22
	Redundancy Factor (North/South Direction)	**N/S rho=**	1.3
	Redundancy Factor (East / West Direction)	**E/W rho=**	1.3
	Design Base Shear (North/South Direction) (KIPS)		
	Design Base Shear (East / West Direction) (KIPS)		
	Base shear governed by:		Seismic
	Seismic Analysis procedure used:		Modal Response Spectrum

DESIGN LIVE LOADS	**AREA**	**LIVE LOADS (PSF) UNO**	**REMARKS & FOOT-NOTES**
	Handrails & Pedestrian Guardrails	50 PLF or 200 LB	(1)
	Stairs & Exits	100 PSF or 300 LB	Stair treads per note (2)
	Vehicle Barrier	6000 lbs	Applied horizontally at both 18" and 27" above the level (3)
	Lobbies	100	2000 lbs. (Movable seats)
	Corridors at First Floor	100	
	Corridors above first Floor	----	Same as occupancy served
	Balconies & Decks	----	Same as Occupancy served
	Kitchens	150	Commercial
	Dining Rooms & Restaurants	100	
	Retail	100	1000 lb
	Mechanical Rooms	150	
	Light Storage Area	125	
	Roofs	20 PSF or 300 LB	Area load is reducible. Point load per note (2). See above for Snow Load

(1) Top rail shall be designed to resist 50 PLF line load or 200 lb point load applied in any direction at any point. Intermediate rails (all those except the handrail), balusters and panel fillers shall be designed to withstand a horizontally applied normal load of 50 LB on an area not to exceed 1 ft square. These three loads are to be considered separately with worst case used for design.
(2) Place 300 lb concentrated load over 2"x2" area at any point to produce maximum stress. Area load and concentrated load are to be considered separately with worst case used for design.
(3) Need not apply concurrently with other handrail and guardrail loads; applied over not more than 1 square foot.

SUBMITTALS

SUBMIT FOR REVIEW: SUBMITTALS of shop drawings, product data and mill tests are required for items noted in the individual materials sections and for *bidder designed* elements.

SUBMITTAL REVIEW PERIOD: Submittals shall be made in time to provide a minimum of TWO WEEKS or 10 WORKING DAYS for review by the Architect/Engineer prior to the onset of fabrication.

GENERAL CONTRACTOR'S PRIOR REVIEW: Prior to submission to the Architect/Engineer, the Contractor shall review the submittal for completeness. Dimensions and quantities are not reviewed by the SER, and therefore, must be verified by the General Contractor. Contractor shall provide any necessary dimensional details requested by the Detailer and provide the Contractor's review stamp and signature before forwarding to the Architect/Engineer.

SHOP DRAWING REVIEW: Once the contractor has completed his review, the SER will review the submittal for general conformance with the design concept and the contract documents of the building and will stamp the submittal accordingly. Markings or comments shall not be construed as relieving the contractor from compliance with the project plans and specifications, nor departures there from. The SER will return submittals in the form they are submitted in (either hard copy or electronic). For hard copy submittals, the contractor is responsible for submitting the required number of copies to the SER for review.

SHOP DRAWING DEVIATIONS: When shop drawings (component design drawings) differ from or add to the requirements of the structural drawings they shall be designed and stamped by the responsible SSE.

DEFERRED SUBMITTALS

BIDDER-DESIGNED ELEMENTS
Submit "Bidder-Designed" deferred submittals to the Architect and SER for review. The deferred submittals shall also be submitted to the city for approval, if required by the city.

Design of prefabricated, "bidder designed", manufactured, pre-engineered, or other fabricated products shall be comply with the following requirements:
1) Design considers tributary dead, live, wind and earthquake loads in combinations required by CBC.
2) Design within the Deflection Limits noted herein and as specified or referenced in the CBC.
3) Design shall conform to the specifications and reference standards of the governing code.
4) Submittal shall include:
   a. Calculations prepared, stamped and signed by the SSE demonstrating code conformance.
   b. Engineered component design drawings are prepared, stamped and signed by the SSE.
   c. Product data, technical information and manufacturer's written requirements and Agency approvals as applicable.
   d. SSE may submit to the Architect/Engineer, a request to utilize relevant alternate design criteria of similar nature and generally equivalency which is recognized by the Code and acceptable to the Authority Having Jurisdiction. Submit adequate documentation of design.

DEFLECTION LIMITS:	**VERTICAL**	**LIMIT**
	Roof Members, Dead + Live or Snow or Wind, Total Load (TL) Deflection	L / 240, where (L is span length,inches)
	Roof, Live or Snow or Wind Load (RLL)	L / 360
	Floor Members, Total Load (TL) uno	L / 240
	Floor Live Load (LL) uno	L / 360
	Members Supporting Masonry	L / 1200 or 1/4" max masonry DL only
	Operable Partition Support Members	L / 600 or ½" maximum
	HORIZONTAL	**LIMIT and FOOTNOTE**
	Members Supporting Brittle Finishes	L / 240 (1)
	Members Supporting Flexible Finishes	L / 180 (1)
	Members Supporting Masonry	L / 600 @ 0.7 x Cladding Wind or 0.7E (1)

(1) Wind Load is reducible to 0.42 times the Component and Cladding Loads per Table 1604.3 footnote f.

GENERAL CONTRACTOR'S PRIOR REVIEW: Once the contractor has completed his review of the SSE component drawings, the SER will review the submittal for general conformance with the design of the building and will stamp the submittal accordingly. Review of the Specialty Structural Engineer's (SSE) shop drawings (component design drawings) is for compliance with design criteria and compatibility with the design of the primary structure and does not relieve the SSE of responsibility for that design. All necessary bracing, ties, anchorage, proprietary products shall be furnished and installed per manufacturer's instructions or the SSE's design drawings and calculations. These elements include but are not limited to:

- Steel Stairs
- Handrails, Guardrails and Balcony Rail Anchorages
- Exterior Cladding Systems: Curtain Wall Systems, Pre-engineered Panels
- Roof Mounted Components: Skylights, hatches
- Window Washing System Tie-down Anchorage
- Mechanical, Electrical, Plumbing & Sprinkler Hanger Plans
- Temporary Shoring Systems
- Reshoring for PT Slabs
- Precast Structural Elements
- Cold-formed Metal Studs - Exterior Wall Assemblies
- Space Frames (Unistrut)
- Dock Lifts
- Canvas awnings
- Antennas, satellite dishes,
- Storage tanks & Cooling towers
- Fountain or pool structures / equipment vaults

INSPECTIONS, QUALITY ASSURANCE VERIFICATIONS AND TEST REQUIREMENTS

INSPECTIONS: Foundations, footings, under slab systems and framing are subject to inspection by the Building Official in accordance with CBC 110.3. Contractor shall coordinate all required inspections with the Building Official.

SPECIAL INSPECTIONS, VERIFICATIONS and TESTS: Special Inspections, Verifications and Testing shall be done in accordance with CBC Chapter 17 and the STATEMENT OF SPECIAL INSPECTIONS herein per CBC Sections 1704 and 1705, including 1705.11 for seismic resistance for projects in Seismic Design Categories C, D, E and F as applicable.

SPECIAL INSPECTION AGENCY and SPECIAL INSPECTORS: Owner shall retain an "approved agency" per CBC 1703 to provide Special Inspections for the project. Special Inspectors shall be qualified persons per CBC 1704.2.1.

STATEMENT OF SPECIAL INSPECTIONS, Special Inspections and Testing per CBC Sections 1704 and 1705 are required for the following:

FABRICATION SHOP INSPECTION: Where off-site Fabrication of gravity LOAD BEARING MEMBERS & ASSEMBLIES is performed, Special Inspector shall verify that the fabricator complies with CBC 1704.2.5, which includes the following:

- **Prior to the start of fabrication**, Special Inspector(s), representing the Owner, shall visit the Fabricator's shop(s) where the work is to be performed, and verifies that the Fabricator maintains detailed Fabrication and Quality Control procedures that provide a basis for inspection, control of workmanship, material control and fabricator's ability to conform to approved Construction Documents and referenced Standards.
- **Fabricator shall have available** for Inspector's review, detailed procedures for material control that demonstrates the fabricator's ability to maintain suitable records and procedures such that, at anytime during the fabrication process, the material specification, grade and applicable test reports for primary load-carrying members, are capable of being determined.]

SOILS & FOUNDATION CONSTRUCTION per CBC Section 1705.6

- **Periodic** inspection of soils earthwork per Table 1705.6 is required for:
  - Footing soil bearing surfaces prior to placing any reinforcing steel
  - Excavation depth and bearing layer prior to placing any reinforcing steel.
  - Compacted fill material classification.
  - Subgrade preparation prior to filling.
- **Continuous** inspection per Table(s) 1705.6, 1705.7 and 1705.8 required for:
  - Filling operations to satisfy requirements of CBC Table 1705.6 and the geotechnical report listed under SOILS & FOUNDATIONS section
  - Compacted fill density testing of each lift, proper lift thickness and material classification.

CONCRETE CONSTRUCTION per CBC Section 1705.3 and Table 1705.3 including:

- **Periodic** inspection required for:
  - Size & placement of all reinforcing steel and PT tendons prior to the pour.
  - Placement clearances around reinforcing steel and PT tendons at embedded conduit.
  - Placing & size of cast-in-place bolts and embedded fabrications prior to the pour.
  - Shape, location & dimensions of members formed.
  - Use of the required design concrete mix.
  - Maintenance of specified curing temperature and techniques.
  - Verification of in-situ concrete strength prior to removal of shores and forms from beams and structural slabs.
  - Verification of in-situ concrete strength prior to stressing of PT tendons.
- **Continuous** inspection required during the:
  - Placing of reinforced concrete for proper application techniques.
  - Placing of concrete around cast-in-place bolts and embeds.
  - Sampling of fresh concrete.
  - Determinations of slump, air content and temperature.
  - Grouting operation of post-installed bolts or rebar dowels.
  - PT Tendon stressing.]

SHOTCRETE CONSTRUCTION: per CBC 1910 including:

- **Continuous** inspection required during the:
  - Shotcrete placement for the preconstruction test panel (if required by the AHJ or the EOR).
  - Taking of core specimens for construction specimens.
  - Placing of all production shotcrete.

STRUCTURAL MASONRY per CBC Section 1705.4 and 1705.12

LEVEL B - MASONRY CONSTRUCTION per TMS 402-11/ACI 530-11/ASCE 6-11 Section 1.19.2:

- **Periodic** inspection required for:
  - Size, grade, placement and type of reinforcing steel and connectors
  - Proportions of site-prepared mortar
  - Construction of mortar joints
  - Cleanliness of grout space prior to grouting
  - Cleanout size and spacing if cleanouts are required for high-lift grouting
  - Size and location of structural elements
  - Type, size, and location of anchors, including other details of anchorage of masonry to structural members, frames, or other construction
  - Protection of masonry during cold weather (temp. below 40 degrees F)
  - Protection of masonry during hot weather (temp. above 90 degrees F).
  - Compliance with required inspection provisions of the construction documents and the approved submittals.
- **Continuous** inspection required during/for the:
  - Continuous inspection of welding of reinforcing bars.

STRUCTURAL STEEL per CBC 1704.2.5.1

A qualified Special Inspector of an "approved agency" providing Quality Assurance (QA) Special Inspections for the project shall review and confirm the Fabricator and Erector's Quality Control (QC) procedures for completeness and adequacy relative to AISC 360-10 Chapter N, the AISC 303 Code of Standard Practice, AWS D1.1-2010 Structural Welding Code, 2013 CBC code requirements for the fabricator's scope of work.

- QA Agency providing Special Inspections shall provide personnel meeting the minimum qualification requirements for Inspection and Nondestructive Testing NDT per AISC 360-10 Section N4.
- Verify Fabricator and Erector Quality Control Program per AISC 360-10 Section N2.
- Visual Welding Inspection of welds by both QC and QA personnel shall be per tables listed in AISC 360 Section N5.
- Inspection Tasks for Welding
  - Prior to Welding per AISC 360-10 Table N5.4-1
  - During Welding per AISC 360-10 Table N5.4-2
  - After Welding per AISC 360-10 Table N5.4-3
- Nondestructive Testing (NDT) of welds:
  - Non-Destructive Testing (NDT) of welded joints per AISC 360-10 N.5
  - Risk Category for determination of extent of NDT per AISC 360 N5.5b is noted in the Design Criteria and Loads section of these General Requirements.
  - NDT performed shall be documented and reports shall identify the tested weld by piece mark and location in the piece.
  - For field work, the NDT report shall identify the tested weld by location in the structure, piece mark and location in the piece.
- Inspection Tasks for Bolting per AISC 360-10 Section N5.6
  - Prior to Bolting per AISC 360-10 Table N5.6-1 Not required for snug-tight joints.
  - During Bolting per AISC 360-10 Table N5.6-2 Not required for snug-tight joints.
  - After Bolting per AISC 360-10 Table N5.6-3.
- Additional Inspection tasks per AISC 360-10 Section N5.7.
- Inspection for Composite Construction shall be done per AISC 360-10 Section N6.

POST-INSTALLED ANCHORS TO CONCRETE AND MASONRY: shall comply with CBC Section 1703. Inspections shall be in accordance with the requirements set forth in the approved ICC Evaluation Report and as indicated by the design requirements specified on the drawings. Refer to the POST INSTALLED ANCHORS section of these notes for anchors that are the basis of the design. Special inspector shall verify anchors are as specified in the POST INSTALLED ANCHORS section of these notes or as otherwise specified on the drawings. Substitutions require approval by the SER and require substantiating calculations and current 2013 CBC recognized ICC Evaluation Services (ES) Report. Special Inspector shall document in their Special Inspection Report compliance with each of the elements required within the applicable ICC Evaluation Services (ES) Report.

INSPECTION SUBMITTALS: Special inspection reports shall be provided on a weekly basis. Final special inspection reports will be required by each special inspection firm per CBC 1704.2.4. Submit copies of all inspection reports to the Architect/Engineer and the Authority Having Jurisdiction for review.

STRUCTURAL OBSERVATION: Structural Observation shall be provided for structures classified as Seismic Design Category D, E and F in accordance with CBC Section 1704.5 and Section 107.3.4. Structural observation site visits will be as follows: **prior to foundation installation, prior to wall construction,** prior to each unique elevated floor pour**.** Contractor shall notify the SER in a timely manner to allow scheduled Observations to occur. Field (Observation) Reports will be distributed to the Architect, the Contractor, Special Inspector and the Authority Having Jurisdiction.

CONTRACTOR RESPONSIBILITY: Prior to issuance of the building permit, the Contractor is required to provide the Authority Having Jurisdiction a signed, written acknowledgement of the Contractor's responsibilities associated with the above Statement of Special Inspections addressing the requirements listed in CBC Section 1704.4. Contractor is referred to CBC Sections 1705.11.5 and 1705.11.6 for architectural and MEP building systems that may be subject to additional inspections (based on the building's designated Seismic Design Category listed in the CRITERIA), including anchorage of HVAC ductwork containing hazardous materials, piping systems and mechanical units containing flammable, combustible or highly toxic materials, electrical equipment used for emergency or standby power, exterior wall panels and suspended ceiling systems.

PREFABRICATED CONSTRUCTION: All prefabricated construction shall conform to CBC Section 1703.

SOILS AND FOUNDATIONS

REFERENCE STANDARDS: Conform to CBC Chapter 18 "Soils and Foundations."

GEOTECHNICAL REPORT: Recommendations contained in [Name of Report and Report Number] by [Name of Company] dated [Date] were used for design.

CONTRACTOR'S RESPONSIBILITIES: Contractor shall be responsible to review the Geotechnical Report and shall follow the recommendations specified therein including, but not limited to, subgrade preparations, pile installation procedures, ground water management and steep slope Best Management Practices."

GEOTECHNICAL SUBGRADE INSPECTION: The Geotechnical Engineer shall inspect all sub-grades and prepared soil bearing surfaces, prior to placement of foundation reinforcing steel and concrete. Geotechnical Engineers shall provide a letter to the owner stating that soils are adequate to support the "Allowable Foundation Bearing Pressure(s)" shown below.
[Assumed values shall be field verified by the Building Official or the Geotechnical Engineer prior to placing concrete.]

DESIGN SOIL VALUES:

Safety Factor per Soils Report	1.5	
Allowable Foundation Bearing Pressure	[4000]	PSF – [Native]
Allowable Foundation Bearing Pressure	[3000]	PSF – [Structural Fill]
Passive Lateral Pressure	[300]	PSF/FT
Active Lateral Pressure (unrestrained)	[35]	PSF/FT
Active Lateral Pressure (restrained)	[55]	PSF/FT
Seismic Lateral Pressure	[8H]	PSF
Coefficient of Sliding Friction	[0.35]	

FOUNDATIONS and FOOTINGS: Foundations shall bear on either on competent native soil or compacted structural fill as per the geotechnical report. Exterior perimeter footings shall bear not less than 18 inches below finish grade, unless otherwise specified by the geotechnical engineer and/or the building official.

FOOTING DEPTH: Tops of footings shall be as shown on plans with vertical changes as indicated with steps in the footings; locations of steps shown as approximate and shall be coordinated with the civil grading plans to ensure that the exterior perimeter footings bear no less than 18 inches below finish grade, or as otherwise indicated by the geotechnical engineer or building official.

SLABS-ON-GRADE: All slabs-on-grade shall bear on compacted structural fill or competent native soil per the geotechnical report. All moisture sensitive slabs-on-grade or those subject to receive moisture sensitive coatings/covering shall be provided with an appropriate capillary break and vapor barrier/retardant over the subgrade prepared and installed as noted in the geotechnical report, barrier manufacturer's written recommendations and coordinated with the finishes specified by the Architect.

CAST-IN-PLACE CONCRETE

REFERENCE STANDARDS: Conform to:
(1) ACI 301-10 "Specifications for Structural Concrete"
(2) CBC Chapter 19 "Concrete"
(3) ACI 318-11/318R-11 "Building Code Requirements for Structural Concrete"
(4) ACI 117-10 "Specifications for Tolerances for Concrete Construction and Materials"

FIELD REFERENCE: The contractor shall keep a copy of ACI Field Reference manual, SP-15, "Standard Specifications for Structural Concrete (ACI 301) with Selected ACI and ASTM References."

CONCRETE MIXTURES: Conform to ACI 301 Section 4 "Concrete Mixtures" and CBC Section 1904.3.

MATERIALS: Conform to ACI 301 Section 4.2.1 "Materials" for requirements for cementitious materials, aggregates, mixing water and admixtures.

SUBMITTALS: Provide all submittals required by ACI 301 Section 4.1.2. Submit mix designs for each mix in the table below. Substantiating strength results from past tests shall not be older than 24 months per ACI 318 Section 5.3.

TABLE OF MIX DESIGN REQUIREMENTS

Member Type/Location	Strength f'c (psi)	Test Age (days)	Maximum Aggregate	Exposure Class	Max W/C Ratio	Air Content	Notes (1 to 8 Typical UNO)
Foundations	4000	28	1"	-	-	-	-
Slabs on Grade	3000	28	1"	-	0.5	-	-
Beams & Slabs	5000	28	1"	-	0.45	-	9
Shear Walls	8000	90	¾"	-	-	-	-
Columns	8000	90	¾"	-	-	-	-

Table of Mix Design Requirements Notes:

(1) W/C Ratio: Water–cementitious material ratios shall be based on the total weight of cementitious materials. Maximum ratios are controlled by strength noted in the Table of Mix Design Requirements and durability requirements given in ACI 318 Section 4.3.

(2) Cementitious Materials:
   a. The use of fly ash, other pozzolans, silica fume, or slag shall conform to ACI 318 Sections 4.3.1 and 4.4.2. Maximum amount of fly ash shall be 25% of total cementitious content unless reviewed and approved otherwise by SER.
   b. For concrete used in elevated floors, minimum cementitious-materials content shall conform to ACI 301 Table 4.2.2.1. Acceptance of lower cement content is contingent on providing supporting data to the SER for review and acceptance
   c. Cementitious materials shall conform to the relevant ASTM standards listed in ACI 318 Section 3.2.1.

(3) Air Content: Conform to ACI 318 Section 4.4.1. Minimum standards for exposure class are noted in the table. If freezing and thawing class is not noted, air content given is that required by the SER. Tolerance is ±1-½%. Air content shall be measured at point of placement.

(4) Aggregates shall conform to ASTM C33.

(5) Slump: Conform to ACI 301 Section 4.2.2.2. Slump shall be determined at point of placement.

(6) Chloride Content: Conform to ACI 318 Section 4.3.1.

(7) Non- chloride accelerator: Non-chloride accelerating admixture may be used in concrete placed at ambient temperatures below 50°F at the contractor's option.

(8) ACI 318, Section 4.2.1 exposure classes shall be assumed to be [F0], [S0], [P0], and [C0] unless different exposure classes are listed in the Table of Mix Design Requirements that modify these base requirements.

(9) Shrinkage Limit: Concrete used in elevated slabs and beams shall have a shrinkage limit of 0.045% at 28 days measured in accordance with ASTM C157. Submit laboratory test results to SER for approval prior to construction.

FORMWORK & RESHORING: Conform to ACI 301 Section 2 "Formwork and Form Accessories." Removal of Forms shall conform to Section 2.3.2 except strength indicated in Section 2.3.2.5 shall be 0.75 f´c. Reshoring shall conform to Section 2.3.3. In addition, mild reinforced (non post-tensioned) slabs shall be continuously reshored for a minimum of 14 days following placement of concrete or 7 days after concrete has reached 0.75 f´c, whichever is longer. Contractor shall submit formwork removal and reshore installation procedure and drawings as applicable sealed by a professional engineer licensed in the state where the project is located for the SER's information.

MEASURING, MIXING, AND DELIVERY: Conform to ACI 301 Section 4.3.

HANDLING, PLACING, CONSTRUCTING AND CURING: Conform to ACI 301 Section 5. In addition, hot weather concreting shall conform to ACI 305.1-06 and cold weather concreting shall conform to ACI 306.1-90.

CONCRETE CURING: Provide curing compounds for concrete as follows:

(1) Use membrane curing compounds that are compatible with and will not affect surfaces to be covered with finish materials applied directly to concrete.
(2) Apply curing compounds at a rate equivalent to the rate of application at which curing compound was originally tested for in conformance to the requirements of ASTM C 309-07 and the manufacturer's recommendations.
(3) Apply specified curing compound to concrete slabs as soon as final finishing operations are complete (within 2 hours and after surface water sheen has disappeared). Apply uniformly in continuous operation by power spray or roller in accordance with manufacturer's directions. Recoat areas subjected to heavy rainfall within 3 hours after initial application. Maintain continuity of coating and repair damage during curing period.
(4) Use curing compound compatible with and applied under direction of system manufacturer of protective sealer.
(5) Apply two separate coats with first allowed to become tacky before applying second. Direction of second application shall be at right angles to direction of first.

CONSTRUCTION JOINTS: Conform to ACI 301 Sections. 2.2.2.5, 5.2.2.1 and 5.3.2.6. Construction joints shall be located and detailed as on the construction drawings. Submit alternate locations per ACI 301 Section 5.1.2.3a for review and approval by the SER two weeks minimum prior to forming. Use of an acceptable adhesive, surface retardant, portland cement grout or roughening the surface is not required unless specifically noted on the drawings.

**** NTE: Review shear capacity using shear friction coefficient of 0.6. When it does not work, use one of the above methods. ****

EMBEDDED ITEMS: Position and secure in place expansion joint material, anchors and other structural and nonstructural embedded items before placing concrete. Contractor shall refer to mechanical, electrical, plumbing and architectural drawings and coordinate other embedded items.

GROUT: Use 7000 psi non-shrink grout under column base plates.

POST-INSTALLED ANCHORS to CONCRETE: Anchor location, type, diameter and embedment shall be as indicated on drawings. Reference the POST INSTALLED ANCHORS section for applicable Post-Installed Anchor Adhesives. Anchors shall be installed and inspected in strict accordance with the applicable ICC-Evaluation Service Report (ESR). Special inspection shall be per the TESTS and INSPECTIONS section.

LEAN CONCRETE BACKFILL: Conform to recommendations of ACI 229R-99 "Controlled Low Strength Materials (CLSM)" for mixing and placing lean concrete backfill shown on the drawings. Use 100 psi mix for backfill not under footings. Use 300 psi mix for backfill below footings. Use standard slump test to verify flow ability. Test in accordance with ASTM D 4832-10 "Standard Test Method for Preparation and Testing of Controlled Low Strength Material (CLSM) Test Cylinders."

SHRINKAGE: Conventional and post-tensioned concrete slabs will continue to shrink after initial placement and stressing of concrete. Contractor and subcontractor shall coordinate jointing and interior material finishes to provide adequate tolerance for expected structural frame shrinkage and shall include, but not be limited to: curtain wall, dryvit, storefront, skylight, floor finish, and ceiling suppliers. Contact Engineer for expected range of shrinkage.

FLOOR FINISHES: The contractor must provide and correctly install an isolation membrane and properly detailed expansion joints to help minimize cracking of finishes with cementitious setting beds or finish properties (tile, stone, terraz-

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UCI PROJECT NO.
996296

KEYMAP

NO.	DATE	REVISION

PROJECT DIRECTOR

PROJECT MANAGER

PROJECT ARCHITECT

PROJECT TEAM MEMBERS

CHECK

ARCHITECT SEAL

TITLE
STRUCTURAL GENERAL NOTES

PROJECT NO.
140051-0020

DATE
5-30-2014

SHEET NUMBER
S1.01

Project Status

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ORIGINAL SHEET SIZE 30" x 42"

NOT FOR CONSTRUCTION

zo, concrete topping, etc). The expansion joints shall be sized for an expected shortening movement of 0.01 inches per foot.

CLADDING CONNECTIONS and SLAB SHORTENING: At the time of installation, the cladding connection design shall accommodate a typical future vertical movement at each floor of ⅓ inch or L/600, whichever is greater, due to variable live loading and creep. This displacement will occur at the free end of cantilever beams and at midspan of edge slabs and beams.

At the time of installation, the cladding connections shall accommodate shortening of the slab edge inwards due to shrinkage and post-tensioning. Calculation of the amount of shortening is the responsibility of the design / construction team as a whole and shall be agreed upon in a preconstruction meeting. The connections shall also accommodate typical slab edge construction tolerance both inward and outward. The amount of tolerance shall be defined by the general contractor and agreed to by the cladding designer and formwork subcontractor prior to the design of the connections. The cladding shall be installed to the proper design plan location.

CONCRETE CRACK REPAIR AND MAINTENANCE PROGRAM: Concrete shrinks and continues to shrink for up to two years after construction and as a result, cracking will typically occur. These cracks do not typically impair the integrity of the structure. However, DCI recommends a one-time crack repair and maintenance program be implemented for those slabs exposed to water or chemicals. The maintenance program shall consist of:

- Inspect slabs and supporting members two years after construction
- Determine cracks in the structure to be repaired
- Repair cracks

The total length of cracking can be estimated at 0.009 feet of cracks per square feet of slab area. The owner should reserve funds for this one time maintenance program, which is to take place two years after the completion of construction.

Even though cracking is normal and most often not structurally significant, when cracking occurs during construction the contractor shall contact the Architect/Engineer for review. The contractor should budget 0.004 ft of epoxy injected crack repair per square foot of slab.

STRENGTH TESTING AND ACCEPTANCE:

Testing: Obtain samples and conduct tests in accordance with ACI 301 Section 1.6.3.2. Additional samples may be required to obtain concrete strengths at alternate intervals than shown below.

- Cure 4 cylinders for 28-day test age Cure 6 cylinders for 28-day test age post-tensioned concrete. Test 2 cylinders at 2 or 3 days for post-tensioned concrete only, test 1 cylinder at 7 days, test 2 cylinders at 28 days, and hold 1 cylinder in reserve for use as the Engineer directs. After 56 days, unless notified by the Engineer to the contrary, the reserve cylinder may be discarded without being tested for specimens meeting 28-day strength requirements.
- Cure 5 cylinders for 56-day test age. Test one at 7 days, one at 28 days, 2 at 56 days and hold 1 cylinder in reserve for use as the Engineer directs. After 72 days, unless notified by the Engineer to the contrary, the reserve cylinder may be discarded without being tested for specimens meeting 56-day strength requirements.
- Cure 6 cylinders for 90-day test age. Test one at 7 days, one at 28 days, one at 56 days, 2 at 90 days, and hold 1 cylinder in reserve for use as the Engineer directs. After 106 days, unless notified by the Engineer to the contrary, the reserve cylinder may be discarded without being tested for specimens meeting 90-day strength requirements.
- The number of cylinders indicated above reference 6 by 12 in cylinders. If 4 by 8 in cylinders are to be used, additional cylinders must be cured for testing of 3 cylinders at test age per the table of mix design requirements.

Acceptance. Strength is satisfactory when:

(1) The averages of all sets of 3 consecutive tests equal or exceed the specified strength.

(2) No individual test falls below the specified strength by more than 500 psi.

A "test" for acceptance is the average strength of two 6 by 12 in. cylinders or three 4 by 8 in. cylinders tested at the specified test age.

CONCRETE PLACEMENT TOLERANCE: Conform to ACI 117-10 for concrete placement tolerance.

FLOOR FLATNESS and FLOOR LEVELNESS: All concrete slabs (including slabs on grade) shall have a minimum Floor Flatness (FF) of 20 as measured in accordance with ACI 117. Concrete slabs that will receive wood flooring shall have a minimum FF of 35. All concrete slabs on grade shall have a minimum Floor Levelness of [20] as measured in accordance with ACI 117.

OVER-FRAMING / STRUCTURAL FOAM FILL / RIGID INSULATION

FOAM FILL: Structural foam fill / rigid insulation as shown on the drawings shall be InsulFoam GF, by InsulFoam LLC Engineered EPS, Type ASTM D6817, or approved equal. Provide in locations and thicknesses indicated on plans. Minimum Required Foam Properties are: Foam Type, InsulFoam EPS19; Density, 1.15 pcf; Compressive Resistance, 5.8 psi (at 1% deformation), 13.1 psi (at 5% deformation), and 16.0 psi (at 10% deformation).

CONCRETE REINFORCEMENT

REFERENCE STANDARDS: Conform to:
(1) ACI 301-10 "Standard Specifications for Structural Concrete", Section 3 "Reinforcement and Reinforcement Supports."
(2) ACI SP-66-04 "ACI Detailing Manual" including ACI 315-99 "Details and Detailing of Concrete Reinforcement."
(3) CRSI MSP-09, 28th Edition, "Manual of Standard Practice."
(4) ANSI/AWS D1.4 "Structural Welding Code - Reinforcing Steel."
(5) CBC Chapter 19-Concrete.
(6) ACI 318-11 "Building Code Requirements for Structural Concrete."
(7) ACI 117-10 "Specifications for Tolerances for Concrete Construction and Materials"

SUBMITTALS: Conform to ACI 301 Section 3.1.1 "Submittals, data and drawings." Submit placing drawings showing fabrication dimensions and locations for placement of reinforcement and reinforcement supports.

MATERIALS:
Reinforcing Bars ..... ASTM A615, Grade 60, deformed bars.
Weldable Reinforcing Bars ..... ASTM A706, Grade 60, deformed bars.
Smooth Welded Wire Fabric ..... ASTM A185
Deformed Welded Wire Fabric ..... ASTM A497
Bar Supports ..... CRSI MSP-09, Chapter 3 "Bar Supports."
Tie Wire ..... 16 gage or heavier, black annealed.
Stud Rails ..... ASTM A1044
Headed Deformed Bars ..... ASTM A970

EARTHQUAKE REQUIREMENTS: Longitudinal Bars in shear walls and coupling beams of shear walls shall conform to ASTM A706, grade 60 gr shall conform to the following requirements:
(1) Welding: Welding is not permitted except as specified in the drawings. Weld in accordance with AWS D1.4.
(2) Mill Tests: Submit mill certificates indicating physical and chemical properties.
(3) Yield Strength: Actual yield strength, based on mill tests, does not exceed the specified yield strength by more than 18,000 psi. (Retests shall not exceed this value by more than an additional 3000 psi.)
(4) Ultimate Strength: The ratio of the actual tensile strength to the actual yield strength is not less than 1.25.]

FABRICATION: Conform to ACI 301, Section 3.2.2. "Fabrication", and ACI SP-66 "ACI Detailing Manual."

WELDING: Bars shall not be welded unless authorized. When authorized, conform to ACI 301, Section 3.2.2.2. "Welding", AWS D1.4, and provide ASTM A706, grade 60 reinforcement.

PLACING: Conform to ACI 301, Section 3.3.2 "Placement." Placing tolerances shall conform to ACI 117.

CONCRETE COVER: Conform to the following cover requirements unless noted otherwise in the drawings.
Concrete cast against earth ..... 3"
Concrete exposed to earth or weather ..... 2"
Ties in columns and beams ..... 1-½"
Bars in slabs ..... ¾"
Bars in walls ..... ¾"
Exterior bars in Tilt-up Panels ..... 1"

SPLICES: Conform to ACI 301, Section 3.3.2.7, "Splices". Refer to "Typical Lap Splice and Development Length Schedule" for typical reinforcement splices. Refer to "Column Vertical Reinforcing Splice Schedule" and "Shear Wall Reinforcing Splice Schedule" for those specific elements. Splices indicated on individual sheets shall control over the schedule. Mechanical connections may be used when approved by the SER. For reinforcing within the lateral system (shear walls) and reinforcing connecting the diaphragm slab to the lateral system, mechanical splice strength is increased to develop 100 percent of the specified tensile strength of the splices bar.

STUDRAILS: Where studrails are indicated on the drawings the following systems are acceptable. Studrails (also referred to as punching shear resistor rails) shall conform to ASTM A1044 and be fabricated and installed in strict accordance with the applicable ICC-ESR report and manufacturer's instructions, using chairs provided by the manufacturer to position rails at the proper height. Submit current manufacturer's data and ICC ESR report of alternate systems to SER for approval.

1. Decon "Studrails" – ICC ESR-2494
2. Simpson Strong-Tie "Punching Shear Resistor Rails (PSRR)" – ICC ESR-2992

FIELD BENDING: Conform to ACI 301 Section 3.3.2.8. "Field Bending or Straightening." Bar sizes #3 through #5 may be field bent cold the first time. Other bars require preheating. Do not twist bars. Bars shall not be bent past 45 degrees.

TYPICAL CONCRETE REINFORCEMENT: Unless noted on the plans, concrete walls shall have the following minimum reinforcement. Contractor shall confirm minimum reinforcement of walls with SER prior to rebar fabrication.

TABLE of MINIMUM CONCRETE WALL REINFORCING

Wall Thickness	HORIZONTAL Bars	VERTICAL Bars	Location
6"	#4 @ 12" OC	#4 @ 12" OC	center in wall
8"	#5 @ 12" OC	#5 @ 12" OC	center in wall
10"	#4 @ 16" OC EF	#4 @ 16" OC EF	EF = each face
12"	#4 @ 12" OC EF	#4 @ 12" OC EF	EF = each face

POST-TENSIONED CONCRETE

REFERENCE STANDARDS: Conform to:
(1) ACI 301-10 "Specifications for Structural Concrete, Sec. 9 "Prestressed Concrete."
(2) PTI "Specification for Unbonded Single Strand Tendons", 2nd Edition (2000) (hereafter designated "PTI Specification").

SUBMITTALS: Conform to ACI 301 Sec 3.1.1 "Submittals, Data, and Drawings." Submit the following items for review:

(1) Coordination Drawings: Submit drawings showing size and location of all slab penetrations, blockouts, conduit, embeds and other items which may affect tendon placement.

(2) Shop Drawings. Submit shop drawings in accordance with ACI 301 Sec. 9.1.2.1 "Drawings." Include the following information: tendon support heights and chair sizes; location and profile of tendons throughout their length; size, location, details, materials and stress grade (where applicable) of tendons and accessories, including anchorages, stressing pockets, and couplers; jack clearances; jacking procedures; stressing sequence; initial tensioning forces, tendon elongation; details of reinforcing steel to prevent bursting and spalling; tendon trimming procedures and details or capping procedure; duct properties including size, material, thickness and support spacing. PT shop drawings shall be stamped by a structural engineer registered in the State of [Washington.]

(3) Stressing Records: Conform to PTI Specification Sec.1.5.7 "Stressing Records." Submit for review. The special inspector shall complete all stressing records.

(4) Mill Test Reports: Conform to PTI Specification Sec. 1.5.1. Provide certified mill test reports for each coil or pack of strand. Contractor shall keep reports on file for duration of project.

(5) Anchorages and Couplers: Conform to PTI Specification Sec. 1.5.2. Contractor to keep reports on file for the duration of the project.

(6) Sheathing and P-T Coating: Conform to PTI Specification Sec. 1.5.3 and 1.5.4. Contractor to keep reports on file for the duration of the project.

(7) Calculations: Submit calculations prepared by a SSE indicating the force provided, the specified prestressing losses, the final working stresses and the stressing sequence. The design shown in the drawings is based on a final effective force in each tendon of 26.8 kips.

POST-TENSIONING MATERIALS FOR ENCAPSULATED SYSTEMS: "encapsulated system" shall be used as follows:

(1) Strand: ASTM A416, Grade 270, ½" diameter, low relaxation type. Conform to PTI Specification Sec. 2.1 "Prestressing Steel." Strands shall originate from a PTI certified plant.

(2) Sheathing: Conform to PTI Specification Sec. 2.3 "Sheathing," including section 2.3.5 "Aggressive Environments."

(3) Anchorages & Couplers: Conform to PTI Specification. Sec. 2.2 "Anchorages and Couplers", including Sec. 2.2.6 "Anchorages and Couplers in Aggressive Environments." Provide grease caps for all anchorages at all stressing ends. Tendon anchorages and couplings shall be designed to develop static and dynamic strength requirements of Section 2.2.1.1 and Section 2.2.1.2. Castings shall be nonporous and free of sand, blow holes, voids, and other defects. Provision shall be made for plastic cap to fit tightly and seal barred end on stressing side of anchor. Bearing side of anchor casting shall have provision for plastic sleeve, which shall prevent moisture leaks into anchor casting or tendon sheathing. For wedge type anchorages, wedge grippers shall be designed to precluded premature failure of prestressing steel due to notch or pinching effects under static and dynamic test load conditions per Section 2.2.3, for low relaxation prestressing steel materials. Component parts from different manufacturers shall not be used without substantiating test data.

(4) Repair Tape: Conform to PTI Specification Section 3.2.5.

(5) Anchor Cap: Grease caps and clear/translucent greased trumpets (or the zero void system by General Technologies Incorporated (GTI) or approved equivalent) at the P-T anchors shall be used to provide watertight connections between the P-T sheathing and anchors.

(a) Stressing End: Plastic cap shall fit tightly, covering stressing end of barrel and wedges, and shall be fitted with sealing device. Cap shall allow minimum 1-¼" protrusion of strand beyond wedges.

(b) Intermediate Stressing Ends: Plastic cap similar to above shall be used with exception that cap shall be open to allow passage of strand with minimum ¾" chimney extension of cap.

(c) Coating Material: Wedge area and plastic cap shall be completely filled with same grease used along length of strand.

(6) Sleeve and Grommet: A grease filled plastic sleeve shall be used on bearing side of anchor casting which will prevent moisture leaks into anchor casting or tendon sheathing. Plastic sleeve shall be minimum 10" long. A grommet shall be used at stressing ends, split grommet at intermediate stressing points, to prevent moisture leaks into anchor casting or tendon sheathing.

CORROSION INHIBITING COATING: Conform to PTI Specification Sec. 2.4 "P-T Coating."

OTHER MATERIALS: Conform to notes for CAST-IN-PLACE CONCRETE and CONCRETE REINFORCEMENT sections, except all admixtures shall be chloride free unless approved by the Engineer.

PRE-CONSTRUCTION MEETING: the contractor shall arrange a pre-construction meeting. The contractor, structural engineer-of-record, subcontractors involved with the post-tensioning work, the Building Official and representatives of the special inspection agency shall attend this meeting.

HANDLING, STORAGE, SHIPPING: Conform to PTI Specification Sec. 1.6.2 and 1.7.

INSTALLATION REQUIREMENTS: Conform to PTI Specification Sec.3.2 "Tendon Installation."

(1) DRAPES: Place tendons parabolic between supports and conform to controlling points shown on the drawings unless noted. Dimensions shown on drawings locate the c.g. of the tendon from the bottom of the slab or beam. Low points are at mid-span unless noted otherwise.

(2) SUPPORTS: Tendons shall be firmly supported at intervals not to exceed 4 ft. to prevent displacement during placing of concrete.

(3) TENDON BUNDLES: Twisting or entwining of individual strands within the bundle will not be permitted.

(4) TOLERANCES: Vertical deviations in tendon location shall not exceed the following nor maximum cover deviations per ACI 117:

a. ± 1/4" for member thickness less than 8"
b. ± 3/8" for member dimensions from 8" to 24"
c. ± 1/2" for member dimensions more than 24"

SHEATHING REPAIR: Conform to PTI Specification Sec. 3.2.5 "Sheathing Inspection."

(1) Restore tendon grease coating in damaged area and 2 inches beyond each end of damage.

(2) Place piece of longitudinally split tubing around greased tendon. Split tubing overlap shall be on opposite side of sheathing tear. Length of split tubing shall extend past damaged area 3 inches at each end. Alternatively, use two pieces of overlapping slit sheathing. Align slits on opposite sides of tendon from each other.

(3) Tape entire length of repaired area, spirally wrapping tape around repair to provide at least two layers of tape. Taping shall overlap repaired area by 3 inches at each end. Before taping, repair area shall be dry and free of grease.

CONCRETE PLACEMENT: Conform to PTI Specification Sec. 3.3.

TENDON STRESSING: Conform to PTI Specification Sec. 3.4 "Tendon Stressing."

SCHEDULE: Stressing shall be performed within 96 hours of concrete placement unless approved by the Engineer.

SEQUENCE: Stress temperature tendons first, followed by uniformly distributed tendons, additional slab tendons, and then beam or banded tendons. Stress tendons in transfer beams with staged stressing sequence as specified per plan and details.

SHORING: Shoring shall remain in place until tendons are stressed. Shoring at closure strips and pour strips shall remain in place until concrete placed in closure strip has attained design strength.

RESHORING: When reshoring is required, reference "DESIGN BY OTHERS" above in these notes.

CONCRETE STRENGTH: Compressive strength of field-cured specimens shall be not less than 3000 psi at time of stressing.

STRESSING JACKS: Conform to PTI Specification Sec. 3.4.1.3 "Stressing Jacks" and Sec 3.4.2 "Jack Calibration." Provide calibration certificates with each jack. Contractor shall keep certificates on file for duration of project.

ELONGATIONS: Conform to PTI Specification Sec. 3.4.3 "Elongation Measurements." Measured elongations shall agree with calculated values within ±7%. Discrepancies exceeding 7% shall be resolved with the Engineer prior to cutting and capping the tendons involved.

TENDON FORCES: Forces during and after stressing shall meet the following criteria:
Maximum Force at Jacking ..... 33.0 KIPS
Maximum Force at Anchoring ..... 28.9 KIPS
Minimum Final Effective Force ..... 26.8 KIPS

TENDON FINISHING: Conform to PTI Specification Sec. 3.5 "Tendon Finishing." Finishing shall be completed within 3 days of acceptance of stressing records.

CUTTING APPROVAL: Excess strand shall not be cut without approval of the Engineer. Transmit complete stressing reports to DCI as soon as possible after stressing has been completed. DCI will promptly review and indicate whether or not cutting of tendons is acceptable. If all tendons are within tolerance, the contractor may cut excess strand at their own risk before DCI approval is received. Basic elongation tolerance is ±7% from calculated. Out of tolerance tendons will be approved by the EOR on a case by case basis.

CUTTING: Conform to PTI Specification Sec. 3.5.1 "General." Tendons may be cut by means of oxyacetylene torch, abrasive wheel or hydraulic shears. When using oxyacetylene cutting do not direct flame toward wedges.

COATING & CAPPING: Where "encapsulated system" is noted on the drawings conform to PTI Specification Sec. 3.5.2 "Aggressive Environments." Install the grease-filled plastic caps as soon as possible.

STRESSING POCKETS: Conform to PTI Spec. Sec. 3.5.3 "Stressing Pockets."

(1) Preparation: Clean the inside surfaces of the pocket to remove laitance and grease. Coat inside surfaces with a resin bonding agent after cleaning at the contractor's discretion.

(2) Filling: Fill pockets with non-metallic non-shrink grout. Grout shall not contain chlorides or other chemicals deleterious to the prestressing steel.

EMBEDS AND FASTENERS: Embeds and inserts for support of all non-structural elements, mechanical and other equipment shall be cast into the slab. Drilled or powder-driven fasteners will not be permitted except as noted below.

Immediately before concrete is placed, the position of tendons shall be marked on the forms with a material which leaves a physical impression on the underside of the slab. Congested areas shall be entirely marked off. Contractor's proposed method of marking tendons shall be submitted and reviewed by the SER and architect before starting construction. Note: there may be areas where marking of the slab is not allowed for architectural and or concrete cover reasons.

Drilled-in concrete anchors and powder-driven fasteners shall be placed a minimum distance equal to the slab thickness away from marked tendon locations. No anchors or fasteners shall be placed within a distance of five times the slab thickness from the face of any column. Exception: Powder-driven fasteners with 5/8 inch maximum embedment may be installed at any location on the slab. No reinforcing steel, concrete, or post-tensioning tendons shall be damaged by anchors or fasteners.

REINFORCED UNIT MASONRY

REFERENCE STANDARDS: Conform to:

1) CBC Chapter 21 "Masonry."
2) ACI 530-11/ASCE 5-11/TMS 402-11 "Building Code Requirements for Masonry Structures." Herein referenced as MSJC.
3) ACI 530.1-11/ASCE 6-11/TMS 602-11 "Specification for Masonry Structures." Herein referenced as MSJC.1.
4) ACI SP-66 "ACI Detailing Manual" including ACI 315 "Details and Detailing of Concrete Reinforcement."
5) ANSI/AWS D1.4 "Structural Welding Code - Reinforcing Steel."

SUBMITTALS: Conform to MSJC.1 Section 1.2. Submit shop drawings for review including:

1) Masonry reinforcement, size, layout, and grade in accordance with plans.
2) Material certificates for all Steel Reinforcing, Anchors, Ties and Metal Accessories certifying compliance with required strength, grade and ASTM standards.
3) Certification letters for masonry block and grout mix design certifying compliance with required strength and respective ASTM standards.
4) Mix Designs for each Grout Mix indicating type and proportions of ingredients in compliance of Proportion Specification
5) Location of expansion and control joints.
6) Product Information, ICC ESR Reports and Material Certifications certifying compliance for all non-pre-approved Post-Installed Anchors.
7) Hot and/or Cold weather construction procedures.

STRENGTH: The assumed compressive strength of the masonry assemblage, f'm, is 1500 psi based on CBC Section 2105.2.2.1.2 for concrete masonry.

MATERIALS:

1) Concrete Masonry Units: Conform to ASTM C 90, Type-I (moisture controlled), medium weight (approx. 115 PCF) units. Provide 1900 psi compressive strength to achieve masonry assembly strength indicated above under STRENGTH.
2) Mortar: Conform to ASTM C270, Type S, and CBC Section 2103.9 "Mortar."

3) Grout: Conform to ASTM C476 and CBC Section 2103.13 Proportion Specifications.

4) Reinforcing Bars: Conform to ASTM A615, Grade 60 deformed bars and CBC Section 2103.14 unless noted otherwise. Lap Splices shall be as noted on plans. Fabrication shall be in accordance with MSJC.1 Section 2.7.

5) Joint Reinforcement: Conform to ASTM A951 and CBC Section 2103.14.

6) Anchors, Ties and Accessories: Conform to CBC Section 2103.14 and MSJC.1 Section 2.4D.

7) Water: Shall be clean and potable.

8) Admixtures: Admixtures shall not be used unless approved by SER.

9) Post-Installed Anchors in MASONRY: Reference the POST- INSTALLED ANCHORS section for applicable Post-Installed Anchors to Masonry.

10) Second-Hand Units: Shall not be used unless approved by SER.

QUALITY ASSURANCE(f'm=1500 psi): Conform to CBC Section 2105 "Quality Assurance".

1) Masonry Units: A letter of certification from the manufacturer of the units shall be provided to the SER prior to the delivery of the units to the jobsite to ensure the units comply with the compressive strength specified above and ASTM C 90.

2) Mortar: No mortar testing is required.

3) Grout: A letter of certification from the supplier of the grout shall be provided to the SER prior to delivery of the grout to the jobsite to ensure that the grout complies with ASTM C 476.

DELIVERY, STORAGE AND HANDLING: Delivery, storage and handling of materials used for masonry construction shall be per MSJC.1, Section 1.7.

SPECIAL INSPECTION: Special Inspections shall be performed per the "TESTS AND INSPECTIONS" section of the STRUCTURAL GENERAL NOTES.

ANCHORS, TIES AND CONNECTORS: Masonry anchors, ties and connectors shall be as specified on structural drawings. Consult architectural drawings for masonry anchor ties not included on the structural drawings.

EMBEDDED ITEMS: Embedded Items and Accessories shall be in accordance with MSJC Section 1.15 and installed in accordance with MSJC.1 Section 3.3D. Position and Secure in place expansion joint material, anchors and other structural and non-structural embedded items before placing grout. Contractor shall refer to structural, architectural, mechanical, electrical, plumbing, etc. and coordinate all embedded items.

POST-INSTALLED ANCHORS to CONCRETE: Anchor location, type, diameter and embedment shall be as indicated on drawings. Reference the POST INSTALLED ANCHORS section for applicable Post-Installed Anchor Adhesives. Anchors shall be installed and inspected in strict accordance with the applicable ICC-Evaluation Service Report (ESR). Special inspection shall be per the TESTS and INSPECTIONS section.

MASONRY REINFORCING STEEL: Masonry reinforcing shall be as noted on plans and shall be securely placed in accordance with CBC Sections 2104.1.1, 2106, and MSJC Section 1.16. Unless otherwise noted on the plans, the minimum wall reinforcement shall be as follows:

TABLE of MINIMUM REINFORCING

Wall Thickness	Vertical Bars	Running Bond Horizontal Bars	Stack Bond Horizontal Bars
4"	#4 @ 16" OC	#4 @ 32" OC	#4 @ 32"OC
6"	#5 @ 24" OC	#5 @ 32" OC	#6 @ 40"OC
8"	#5 @ 24" OC	(2) #4 @ 48" OC	(2) #5 @ 48"OC
12"	#6 @ 32" OC	(2) #5 @ 48"OC	(2) #6 @ 48"OC

Bond beams with horizontal bar or bars shall be provided at 48 inches on center and at all floor and roof lines and at the top of the wall. Provide a bond beam with horizontal bar or bars over all openings, and extend these bars 2'-0" past the opening at each side. Provide a bar or bars vertically for the full height of the wall at each side of openings, wall ends and intersections. Dowels to masonry walls shall be embedded a minimum of 1'-6" or hooked into the supporting structure and be of the same size and spacing as wall reinforcing. Reinforcing steel shall be as specified under "MATERIALS" Section. Provide corner bars to match the horizontal wall reinforcing at wall intersections. All bars shall be lapped a minimum 48 diameters or 1'-6" minimum unless noted on the plans.

LINTELS: Reinforced masonry lintels to be installed over all openings unless otherwise indicated on drawings. Do not splice reinforcing bars within lintels and maintain 8 inch bearing minimum on each side. Unless otherwise noted on the plans, the minimum reinforcement for lintels in 8" masonry shall be as follows:

(1) Openings up to 42 inches wide: (2) #4 at bottom web of 8 inch deep lintel.
(2) Openings 42 to 78 inches wide: (2) #4 at bottom web of 16 inch deep lintel.
(3) Openings over 78 inches wide: Reinforce per drawings

CONSTRUCTION: Masonry shall be constructed in accordance with CBC Section 2104 "Construction", and MSJC.1 Part 3 "Execution."

COLD AND HOT WEATHER CONSTRUCTION: Cold and hot weather construction shall be in accordance with CBC Section 2104.3 and 2104.4.

BLOCK PATTERN: Use running bond unless noted. For stack bond, follow criteria in MSJC Section 1.11.

GROUTED CELLS: Fill all cells with grout unless noted otherwise on plans. Minimum grouting spaces and construction shall be in accordance with MSJC Section 1.16 and MSJC.1 Section3.5.

GROUT POUR HEIGHT: Grout Pour Height shall not exceed height specified in MSJC.1 Section 3.5C.
- Masonry blocks shall be adequately braced to withstand fluid pressures of Grout Pour, see temporary bracing.

GROUT LIFTS: Unless otherwise noted, Grout Lifts and pour height shall not exceed 5ft 4in. Grout Lifts shall not exceed spacing of intermediate reinforced bond beams. Grout Lifts exceeding 5ft 4in shall be approved by SER.

REINFORCING COVER AND CLEARANCE REQUIREMENTS: Unless otherwise noted:

Clear distance between parallel bars (and between adjacent pairs of lap spliced bars) shall be equal to the bar adjacent bar diameter (for bars greater than #8), and not less than:
1) 1" at 8" and smaller block,
2) 2" at 10" block
3) 3" at 12" block.
Clearance (clear space) between the block and the reinforcing shall be:
1) ¼" at fine grout
2) ½" at course grout.
Masonry Cover (including grout and block wall) at masonry face exposed to earth or weather shall be:
1) 1 1/2" minimum
2) 2" for bars #6 and larger.

CONTROL AND EXPANSION JOINTS: Reference Drawings for typical details of Masonry Control and Expansion Joints. Location of control and expansion joints shall be approved by SER. Unless otherwise indicated on drawings, install control and expansion joints at the following:

(1) Continuous Walls: Vertical joints at the lesser of 1.5 times the wall height or 25 feet on center maximum.
(2) Corners and Intersecting Walls: First vertical joint from the corner at lesser of 1.25 times the wall height or 16 feet.
(3) Abrupt changes in wall height and wall thickness, such as adjacent to columns or pilasters,

TEMPORARY BRACING: Contractor is responsible for all temporary bracing of masonry during construction. Reference "CONTRACTOR RESPONSIBILITIES" section for further information and requirements.

POST-INSTALLED ANCHORS (INTO CONCRETE AND MASONRY)

REFERENCE STANDARDS: Conform to:
1) CBC Chapter 19 "Concrete"
2) ACI 318-11 "Building Code Requirements for Structural Concrete"
3) CBC Chapter 21 "Masonry"
4) ACI 530-11/ASCE 5-11/TMS402-11 "Building Code Requirements for Masonry Structures"

POST-INSTALLED ANCHORS: Install only where specifically shown in the details or allowed by SER. All post-Installed anchors types and locations shall be approved by the SER and shall have a current ICC-Evaluation Service Report that provides relevant design values necessary to validate the available strength exceeds the required strength. Submit current manufacturer's data and ICC ESR report to SER for approval regardless of whether or not it is a pre-approved anchor. Anchors shall be installed in strict accordance to ICC-ESR and manufacturer's instructions. No reinforcing bars shall be damaged during installation of post-installed anchors. Special inspection shall be per the TESTS and INSPECTIONS section. Anchor type, diameter and embedment shall be as indicated on drawings.

1. ADHESIVE ANCHORS: The following Adhesive-type anchoring systems have been used in the design and shall be used for anchorage to CONCRETE as applicable and in accordance with corresponding current ICC ESR report. Drilled-in anchor embedment lengths shall be as shown on drawings, or not less than 7 times the anchor nominal diameter (7D).
   a. HILTI "HIT-HY 200" – ICC ESR-3187 for anchorage to CONCRETE with embedment depth less than or equal to 20 bar diameters
   b. HILTI "HIT-RE 500 SD" – ICC ESR-2322 for anchorage to CONCRETE
   c. SIMPSON "SET-XP" – ICC ESR 2508 for anchorage to CONCRETE
   d. POWERS "PE1000" – ICC ESR-2583 for anchorage to CONCRETE
   e. HILTI "HIT-HY 70" – ICC ESR-2682 – for anchorage to MASONRY Only
   f. SIMPSON "SET" – ICC ESR-1772 - for anchorage to UNREINFORCED MASONRY Only
2. EXPANSION ANCHORS: The following Expansion type anchors are pre-approved for anchorage to CONCRETE or MASONRY in accordance with corresponding current ICC ESR report:
   a. HILTI "KWIK BOLT TZ" – ICC ESR-1917 for CONCRETE Only
   b. SIMPSON "STRONG-BOLT 2" – ICC ESR-3037 for CONCRETE Only
   c. POWERS "POWER-STUD + SD1" – ICC ESR-2818 for CONCRETE Only and ICC ESR-2966 for MASONRY Only
   d. HILTI "KWIK BOLT 3 – ICC ESR-1385 for anchorage to MASONRY Only
   e. SIMPSON "WEDGE-ALL" – ICC ESR-1396 for anchorage to MASONRY Only
3. SCREW ANCHORS: The following Screw type anchor is pre-approved for anchorage to CONCRETE or MASONRY in accordance with corresponding current ICC ESR report:
   a. SIMPSON "TITEN HD" – ICC ESR-2713 for CONCRETE Only and ICC ESR-1056 for MASONRY Only]
   b. POWERS "WEDGE-BOLT +" – ICC ESR-2526 for CONCRETE Only and ICC ESR-1678 for MASONRY Only
   c. POWERS "SNAKE" – ICC ESR-2272 for anchorage to CONCRETE Only
   d. HILTI "HUS-EZ" – ICC ESR-3027 for anchorage to CONCRETE Only and ICC ESR-3056 for MASONRY Only

STRUCTURAL STEEL

REFERENCE STANDARDS: Conform to:
1) CBC Chapter 22 – "Steel"
2) ANSI/AISC 303-10 – "Code of Standard Practice for Steel Buildings & Bridges"
3) ANSI/AISC 325-10 – "Steel Construction Manual"
4) ANSI/AISC 360-10 – "Specification for Structural Steel Buildings"
5) AWS D1.1:2010 – "Structural Welding Code – Steel"
6) 2009 RCSC – "Specification for Structural Joints using High-Strength Bolts"

SUBMITTALS: Submit the following documents to the SER for review:

(1) SHOP DRAWINGS complying with AISC 360 Sections M1and N3 and AISC 303 Section 4.
(2) ERECTION DRAWINGS complying AISC 360 Sections M1and N3 and AISC 303 Section 4.

Make copies of the following documents "Available upon Request" to the SER or Owner's Inspection Agency in electronic or printed form prior to fabrication per AISC 360 Section N3.2 requirements:

(1) Fabricator's written Quality Control Manual that includes, as a minimum:
   a. Material Control Procedures
   b. Inspection Procedures
   c. Non-conformance Procedures
(2) Steel & Anchor Rod suppliers' Material Test Reports (MTR's) indicating the compliance with specifications.
(3) Fastener manufacturer's Certification documenting conformance with the specification.
(4) Filler metal manufacturer's product data for SMAW, FCAW and GMAW indicating:
   a. Product specification compliance
   b. Recommended welding parameters
   c. Recommended storage and exposure requirements including baking
   d. Limitations of use
(5) Welded Headed (Shear) Stud Anchors Manufacturer's certification indicating the meet specifications.
(6) Weld Procedure Specifications (WPS's) for shop and field welding.
(7) Manufacturer's Certificates of Conformance for electrodes, fluxes and gases (welding consumables).

MATERIALS:
Structural steel materials shall conform to materials and requirements listed in AISC 360 section A3 including, but not limited to:
Wide Flange (W), Tee (WT) Shapes ..... ASTM A992 Fy = 50 ksi
Structural (S), (M) & (HP) Shapes ..... ASTM A36, Fy = 36 ksi
Channel (C) & Angle (L) Shapes ..... ASTM A36, Fy = 36 ksi
Structural Plate (PL) ..... ASTM A36, Fy = 36 ksi
High Strength Plate (Gr 50 PL) ..... ASTM A572, Fy = 50 ksi
Hollow Structural Section – Square/Rect (HSS) .. ASTM A500, Grade B Fy = 46 ksi
Structural Pipe, (PIPE) 12" dia. and less ..... ASTM A53, Grade B Fy = 35 ksi
Hollow Structural Section – Round (HSS) ..... ASTM A500 Grade B Fy = 42 ksi
High Strength, Heavy Hex Structural Bolts ..... ASTM A325/F1852, Type 1 or 3, Plain
Heavy Hex Nuts ..... ASTM A563, Grade and Finish per RCSC Table 2.1
Washers (Hardened Flat or Beveled) ..... ASTM F436, Grade and Finish per RCSC Table 2.1
Welded Headed (shear) Stud Anchors ..... ASTM A108 – Nelson/TRW S3L
Welded Headed Stud (WHS) Anchors ..... ASTM A108 – Nelson/TRW H4L
Dowel Bar Anchors (DBA) ..... ASTM A496 – Nelson/TRW D2L, Fy = 70 ksi

ANCHORAGE to CONCRETE:

1) SHEAR STUDS on STEEL BEAMS for COMPOSITE CONSTRUCTION: Headed Shear Studs welded to tops of Wide Flange Beams, shall be 3/4" diameter WHS with nominal stud lengths as indicated. Unless noted otherwise, provide minimum shear stud height equal to the (metal deck depth + 1 ½") and a maximum shear stud height that allows for ½" of concrete cover over the stud.

2) EMBEDDED STEEL PLATES for Anchorage to Concrete: Plates (PL) embedded in concrete with studs (WHS) or dowel bar anchors (DBA) shall be of the sizes and lengths as indicated on the plans with minimum 1/2" dia. WHS x 6" long but provide not less than ¾" interior cover or 1 ½" exterior cover to the opposite face of concrete, unless noted otherwise.

3) COLUMN ANCHOR RODS and BASE PLATES: All columns (vertical member assemblies weighing over 300 pounds) shall be provided with a **minimum of four ¾" diameter anchor rods**. Column base plates shall be at least ¾" thick, unless noted otherwise. Cast-in-place anchor rods shall be provided unless otherwise approved by the Engineer. Unless noted otherwise, embedment of cast-in-place anchor rods shall be 12 times the anchor diameter (12D).

FABRICATION:

1) Conform to AISC 360 Section M2 "Fabrication" and AISC 303 Section 6 "Shop Fabrication".
2) Quality Control (QC) shall conform to:
   a. AISC 360 Chapter N "Quality Control and Quality Assurance" and
   b. AISC 303 Section 8 "Quality Control".
   c. Fabricator and Erector shall establish and maintain written Quality Control (QC) procedures per AISC 360 section N3.
   d. Fabricator shall perform self-inspections per AISC 360 section N5 to ensure that their work is performed in accordance with Code of Standard Practice, the AISC Specification, Contract Documents and the Applicable Building Code.
   e. QC inspections may be coordinated with Quality Assurance inspections per Section N5.3 where fabricators QA procedures provide the necessary basis for material control, inspection, and control of the workmanship expected by the Special Inspector.

WELDING:

1) Welding shall conform to AWS D1.1 with Prequalified Welding Processes except as modified by AISC 360 section J2. Welders shall be qualified in accordance with AWS D1.1 requirements.
2) Use 70ksi strength, low-hydrogen type electrodes (E7018) or E71T as appropriate for the process selected.
3) Welding of high strength anchor rods is prohibited unless approved by Engineer.
4) Welding of headed stud anchors shall be in accordance with AWS D1.1 Chapter 7 "Stud Welding".

ERECTION:

1) Conform to AISC 360 Section M4 "Erection" and AISC 303 Section 7 "Erection".
2) Conform to AISC 360 Chapter N "Quality Control and Quality Assurance" and AISC 303 Section 8.
   a. The Erector shall maintain detailed erection quality control procedures that ensure that the work is performed in accordance with these requirements and the Contract Documents.
3) Steel work shall be carried up true and plumb within the limits defined in AISC 303 Section 7.13.
4) High strength bolting shall comply with the RCSC requirements including RCSC Section 7.2 "Required Testing", as applicable and AISC 360 Chapter J

MATERIAL: ASTM A653 – SS Designation, Grade 33. Zinc coated per A653, G60. Minimum yield strength shall be 38 ksi.

TYPE: Deck shall be "Verco" type as shown on the structural drawings based on 3-span, unshored condition. Shoring is required for conditions other than 3-span. To eliminate shoring, the contractor may choose to use a heavier gage deck with approval by the SER
DIAPHRAGM CAPACITY: Deck and attachments shall be capable of resisting the diaphragm shears where indicated on the drawings. Submit ICC Evaluation Report as proof of compliance.

INSTALLATION: Install deck in accordance with supplier's instructions and shop drawings. Attachments shall resist the uplift forces and the diaphragm shear forces shown on the drawings. Welding shall conform to AWS D1.3. Welders shall have current [WABO] Light Gage Certification. Minimum end lap shall be 2" centered over supports. Minimum bearing shall be 2."

OPENINGS: Deck openings less than 6" do not require reinforcement. For larger openings, refer to typical details.

ACCESSORIES: Deck manufacturer shall furnish shoring plans, closure plates, ridge and valley plates, cant strips, sump pans, flashing and all other light gage steel material required to complete the work.

CONCRETE FILL: Conform to notes this sheet for CAST-IN-PLACE CONCRETE and CONCRETE REINFORCEMENT. Provide minimum 3000 psi concrete and WWF 6x6-W1.4xW1.4 unless noted otherwise. Splice welded plain wire reinforcement per ACI 318 Section 12.19 or 12" minimum.

DECK FASTENING: Minimum deck fastening shall be as follows, unless noted otherwise on the drawings:

- 1/2" diameter puddle welds each rib at transverse and perimeter supports,
- 1/2" diameter puddle welds at 6" OC at longitudinal supports,
- Side lap connections necessary to develop the shear loading indicated on the diaphragm schedule, but not less than 600 PLF

COLD-FORMED STEEL FRAMING

REFERENCE STANDARDS: Conform to:
(1) AISI "North American Specification for the Design of Cold-Formed Steel Structural Members - 2007 Edition."
(2) AISI "Standard for Cold Formed Steel Framing – General Provisions"
(3) AISI "Standard for Cold Formed Steel Framing – Header Design"
(4) AISI "Standard for Cold Formed Steel Framing – Wall Stud Design"
(5) AISI "Standard for Cold Formed Steel Framing – Lateral Design"
(6) AISI "Standard for Cold Formed Steel Framing – Truss Design"
(7) AWWC "Wall and Ceiling Standards" Sec. 9.8 "Exterior Steel Studs Wall Systems."
(8) AWS D1.3 "Structural Welding Code - Sheet Steel."

SUBMITTALS: Submit panelized wall shop drawings and floor / roof framing shop drawings for review by the SER, GC and Architect. Shop drawings shall indicate member sizes, spacing, and materials; shop and field assembly details and connections; type and location of welds and other fasteners; bridging and bridging anchorage. Submit product data and proof of ICC approval for framing members and fasteners.

MATERIALS:

Structural Sections	54, 68 and 97-mil; ASTM A653 Grade D or ASTM A1011 Grade 50, Min Fy=50 KSI, 33 and 43-mil; ASTM A653 Grade A, or ASTM A1011 Grade 33, Min Fy=33 KSI
Sheet Metal Screws	Grabber or Buildex TEK-Self-Drilling, #10 screws unless noted otherwise on drawings; ASTM C1513 or SER approved alternate
Fasteners to Steel	Hilti X-U Power Actuated Fasteners – ICC ESR-2269
Fasteners to Concrete	Hilti X-U Power Actuated Fasteners with ¾" embedment– ICC ESR-2269
Weld Material	E60XX electrodes conforming to AWS D1.3
Metal Deck	9/16" Verco Shallow Vercor Deck; ASTM A653 Grade 50, Fy=50 ksi]
Topping over Metal Deck	Levelrock CSD or Maxxon Gyp-Crete

GALVANIZED MATERIAL: Studs and track shall be galvanized in accordance with ASTM A653, G60, unless in contact with pressure treated wood. If in contact with pressure treated wood, use G90 or greater coatings. Fastenings not shown on the drawings shall be as recommended by the manufacturer.

SIZE AND PROFILE: Cold-formed steel framing members shall be as specified by the Steel Stud Manufacturers Association (SSMA) and of the size and profile as shown on the drawings. Alternate members equivalent in shape, size, and strength by manufacturers not members of the Steel Stud Manufacturers Association shall be subject to review and approval by the Architect / Engineer.

JOISTS: Provide C-shaped joists with stiffened flanges (S-sections in SSMA). Spans are assumed to be continuously sheathed at the top flange.

CONNECTORS and FASTENERS: Connectors shall be installed per the manufacturer's instructions. All screws shall be snug with steel surface and screws shall penetrate into steel studs by a minimum of three exposed threads. Connections shall not be stripped. Screws shall be installed a minimum of 3/8" from steel edges and no less than ¾" o.c. spacing. Screws or pins in wood shear walls or horizontal diaphragms shall be driven so that the head is no more than 1/16" below the surface of the sheathing. Where connector straps connect two members, place one-half of the screws in each member.

When fastening to steel, Powder Actuated Fasteners shall be installed a minimum of 1/2" from steel edges and with no less than 1" o.c. spacing. When fastening to concrete, Powder Actuated Fasteners shall be installed a minimum of 3" from concrete edges and with no less than 4" o.c. spacing. Powder Actuated Fasteners shall not be used for hanging applications.

FULL-HEIGHT NON-LOAD-BEARING STUD WALLS: Full height stud walls shall be attached to concrete slabs above with deflection track to allow for differential vertical floor deflections under live loads. Maintain 1" gap between top of studs and slab unless noted otherwise on plan.

MEMBER CONDITION: All structural cold-formed framing members must be in good condition. Damaged members, members with cracking in the steel at the bend radius locations, and members with significant red rusting or scaling of the protective coating are unacceptable and must be replaced, unless approved by the SER. Handling and lifting of prefabricated panels shall not cause permanent distortion to any member or collateral material. Members not meeting tolerances listed below shall be replaced prior to loading.

ERECTION and TOLERANCES: Axial load bearing cold-formed steel framing shall be erected true and plumb per the requirements and within the specified tolerances listed below. For purposes of this section, camber is defined as the deviation from straightness of a member or any portion of a member with respect to its major axis, and sweep is defined as the deviation from straightness of a member or any portion of a member with respect to its minor axis.

- For axial load bearing studs, out of plumbness and out of straightness (camber and sweep) shall not exceed $1/1000^{th}$ of the member length.
- For joists, out of straightness (camber and sweep) shall not exceed $1/1000^{th}$ of the member length.
- For track, camber shall not exceed $1/1000^{th}$ of the member length.
- Erect framing in accordance with manufacturer's instruction and shop drawings.
- Studs shall seat into top and bottom tracks. The gap between the end of the stud and the web of the track shall not exceed 1/16" for axial load bearing studs.
- Joists and end stiffeners shall be located directly over axial load bearing studs. The use of track as a load distribution member is not permitted.
- All axially loaded members shall be aligned vertically to allow for full transfer of the loads down to the foundation or post-tensioned slab.

FIELD CUTS AND NOTCHES: Field cuts and notches of any kind (including widening pre-punched holes) are NOT allowed in any structural cold-formed steel member without prior approval from SER.

PERMANENT WALL BRACING AND BRIDGING: Double flat strap or channel bridging as specified on the structural drawings shall be installed at 4'-6" oc maximum unless noted otherwise, and adequately braced prior to loading studs. Bridging anchorage design to be based on "All Steel Design" (mechanically braced) or "Sheathing Braced Design" per AISI S212-07 - "North American Standard for Cold-Formed Steel Framing – Wall Stud Design 2007". Reference the floor framing plan notes for type of design used on that floor.

TEMPORARY BRACING: Reference "Temporary Shoring and Bracing" section above. [The contractor is responsible for the strength and stability of the structure during construction and shall provide temporary bracing and other elements required to maintain stability until the structure is complete. Temporary bracing shall be designed by a licensed California State Professional Engineer and submitted to the SER for approval prior to fabrication of framing.

STEEL STAIRS

REFERENCE STANDARDS: Conform to:
1) CBC Chapter 10 – "Means of Egress", CBC Table 1607.1
2) NAAMM – "Metals Stairs Manual"
3) ANSI/AISC 360-10 – "Specification for Structural Steel Buildings"
4) AISI 2007 – "North American Specification for the Design of Cold-Formed Steel Structural Members"
5) AWS D1.1-10 "Structural Welding Code - Steel",
6) AWS D1.3-08 "Structural Welding Code - Sheet Steel."

SUBMITTALS: Steel stairs are to be prepared by a SSE. Reference DEFINITIONS and DEFERRED SUBMITTALS above. Submit structural calculations and shop drawings (component design drawings) stamped by a professional Engineer registered in the state of California.

MATERIALS:

Structural WF Shapes	ASTM A992-GR50
Steel Channels, Angles, Plates & Bar	ASTM A36
Sheet Steel (Galvanized)	ASTM A446
Steel Pipe Rail	ASTM A53, Grade B
Steel Tubing	ASTM A500, Grade B
Steel Rod	ASTM A36 or A307
Steel Deck	1-1/2" Composite Floor Deck
Bolts	ASTM A325N
Welds, Structural Steel	AWS D1.1
Welds, Sheet Steel	AWS D1.3
Welded Headed Studs (WHS)	ASTM A108, AWS D1.1
Headed Concrete Anchors (HCA)	ASTM A108, AWS D1.1

STRUCTURAL REQUIREMENTS:

(1) Scope: Include treads, risers, stringers, landings, railings and all connections including connections to the primary structure unless noted otherwise. All inserts required for attachment to the primary structure shall be designed and provided by the stair supplier.

(2) Loads: Stair treads shall be designed for 100 PSF live load or a 300 lb. concentrated load placed to produce maximum stress, whichever controls. Stringers and landings shall be designed for 100 PSF live load. Live load deflection shall not exceed 1/360 of the span. The stair assembly and attachment to the main structure shall be designed for lateral loads per CBC Chapter 16.

(3) Railings: The completed handrail, guardrail, and supporting structure and their connections shall be designed to resist loads as specified in CBC Section 1607.8.

ARCHITECTURAL REQUIREMENTS: Conform to shape and configuration shown on the architectural drawings. Consult the project specifications for additional information. All steel shall be painted per project specifications with one coat of standard shop primer unless noted otherwise on the drawings or in the specifications.

CONCRETE FILL: Conform to notes, this sheet for CAST-IN-PLACE CONCRETE and CONCRETE REINFORCMENT. Provide minimum 3000 psi concrete and WWF 6x6-W1.4xW1.4 or Fibermesh unless noted on the drawings.

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TITLE
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PROJECT NO.
14051-0020

DATE
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DRAWING LEGEND

MARK	DESCRIPTION	MARK	DESCRIPTION
F2.0	FOOTING SYMBOL (REFER TO SPREAD FOOTING SCHEDULE)		INDICATES WIDE FLANGE COLUMN
1P	PILE CAP SYMBOL (REFER TO PILE CAP SCHEDULE)		INDICATES HOLLOW STRUCTURAL SECTION (HSS) COLUMN OR TUBE STEEL (TS) COLUMN
1	TILT-UP/PRECAST CONCRETE WALL CONNECTION SYMBOL (REFER TO CONNECTION DETAIL)		INDICATES HOLLOW STRUCTURAL SECTION (HSS) COLUMN OR STEEL PIPE COLUMN
2LW6	SHEAR WALL SYMBOL (REFER TO SHEAR WALL SCHEDULE)		INDICATES WOOD POST
1	REVISION TRIANGLE		INDICATES BUNDLED STUDS
	TILT-UP/PRECAST CONCRETE WALL PANEL NUMBER (REFER TO TILT-UP/ PRECAST CONCRETE WALL ELEVATIONS)		INDICATES CONCRETE COLUMN
	CMU WALL REINFORCING SYMBOL (REFER TO CMU WALL REINFORCING SCHEDULE)		INDICATES PRECAST CONCRETE COLUMN
8"	CONTINUITY PLATE LENGTH (REFER TO TYPICAL DETAIL)		INDICATES MOMENT FRAME CONNECTION
DS	INDICATES DOUBLE SHEAR CONNECTION (REFER TO THE DOUBLE SHEAR PLATE CONNECTIONS DETAIL)		INDICATES CANTILEVER CONNECTION
SR	INDICATES NUMBER OF STUD RAIL REQUIRED AT COLUMN (REFER TO STUD RAIL DETAILS)		INDICATES DRAG CONNECTION
1	ROOF/FLOOR DIAPHRAGM NAILING SYMBOL (REFER TO DIAPHRAGM NAILING SCHEDULE)		INDICATES WOOD OR STEEL STUD WALL
	STEEL/CONCRETE COLUMN SYMBOL (REFER TO STEEL COLUMN SCHEDULE)		INDICATES MASONRY/CMU WALL
T/FTG = X'-X"	ELEVATION SYMBOL (T/ REFERS TO COMPONENT THAT THE ELEVATION REFERENCES)		INDICATES CONCRETE/TILT-UP CONCRETE WALL
3	STUD BUBBLE (INDICATES NUMBER OF STUDS REQUIRED IF EXCEEDS NUMBER SPECIFIED IN PLAN NOTE)		INDICATES WOOD OR STEEL STUD SHEAR WALL
	INDICATES STEP IN FOOTING (REFER TO TYPICAL STEP IN FOOTING DETAIL)		INDICATES BEARING WALL BELOW
00 S0.0	DETAILS OR SECTION CUT (DETAIL NUMBER/SHEET NUMBER)		INDICATES EXISTING WALL
00 S0.0	DETAILS OR SECTION CUT IN PLAN VIEW (DETAIL NUMBER/SHEET NUMBER)		POST-TENSION DEAD END (PLAN)
00 S0.0	INDICATES LOCATION OF CONCRETE WALLS, SHEAR WALLS OR BRACED FRAME ELEVATIONS		POST-TENSION STRESSING END (PLAN)
	SPAN INDICATOR (INDICATES EXTENTS OF FRAMING MEMBERS OR OTHER STRUCTURAL COMPONENTS)	3	POST-TENSION PROFILE (PLAN) (IN INCHES)
	INDICATES DIRECTION OF DECK SPAN		INTERMEDIATE STRESSING (PLAN)

ABBREVIATIONS

L	Angle	FD	Floor Drain	PSI	Pounds Per Square Inch
AB	Anchor Bolt	FDN	Foundation		
ADDL	Additional	FIN	Finish	PSL	Parallel Strand Lumber
ALT	Alternate	FLR	Floor		
ARCH	Architectural	FRP	Fiberglass Reinforced Plastic	P-T	Post-Tensioned
B or BOT	Bottom	FTG	Footing	PT	Pressure Treated
B/	Bottom Of	F/	Face of	R	Radius
BLDG	Building	GA	Gage	RD	Roof Drain
BLKG	Blocking	GALV	Galvanized	REF	Refer/Reference
BMU	Brick Masonry Unit	GEOTECH	Geotechnical	REINF	Reinforcing
BP	Baseplate	GL	Glue Laminated Timber	REQD	Required
BRB	Buckling Resisting Braced	GWB	Gypsum Wall Board	RET	Retaining
		HDR	Header	SCB	Special Concentric Braced
BRG	Bearing	HF	Hem-Fir		
BTWN	Between	HGR	Hanger	SCHED	Schedule
CL	Centerline	HD	Hold-down	SHTHG	Sheathing
C	Camber	HORIZ	Horizontal	SIM	Similar
CB	Castellated Beam	HP	High Point	SMF	Special Moment Frame
CIP	Cast in Place	HSS = TS	(Hollow Structural Section)		
CJ	Construction or Control Joint	IBC	International Building Code	SOG	Slab on Grade
				SPEC	Specification
CJP	Complete Joint Penetration	ID	Inside Diameter	SQ	Square
		IE	Invert Elevation	SR	Studrail
CLR	Clear	IF	Inside Face	SF	Square Foot
CMU	Concrete Masonry Unit	INT	Interior	SST	Stainless Steel
		k	Kips	STAGG	Stagger/Staggered
COL	Column	KSF	Kips Per Square Foot	STD	Standard
CONC	Concrete	LF	Lineal Foot	STIFF	Stiffener
CONN	Connection	LL	Live Load	STL	Steel
CONST	Construction	LLH	Long Leg Horizontal	STRUCT	Structural
CONT	Continuous	LLV	Long Leg Vertical	SWNJ	Solid Web Wood Joist
C`SINK	Countersink	LP	Low Point		
CTRD	Centered	LONGIT	Longitudinal	SYM	Symmetrical
DIA	Diameter	LSL	Laminated Strand Lumber	T	Top
DB	Drop Beam	LVL	Laminated Veneer Lumber	T/	Top Of
DBA	Deformed Bar Anchor	MAS	Masonry	T&B	Top & Bottom
DBL	Double	MAX	Maximum	TC AX LD	Top Chord Axial Load
DEMO	Demolish	MECH	Mechanical	TCX	Top Chord Extension
DEV	Development	MEZZ	Mezzanine	TDS	Tie Down System
DF	Douglas Fir	MFR	Manufacturer	T&G	Tongue & Groove
DIAG	Diagonal	MIN	Minimum	THKND	Thickened
DIST	Distributed	MISC	Miscellaneous	THRD	Threaded
DL	Dead Load	NIC	Not In Contract	THRU	Through
DN	Down	NTS	Not To Scale	TRANSV	Transverse
DO	Ditto	OC	On Center	TYP	Typical
DP	Depth/Deep	OCB	Ordinary Concentric Braced	UBC	Uniform Building Code
DWG	Drawing	OD	Outside Diameter		
(E)	Existing	OF	Outside Face	UNO	Unless Noted Otherwise
EA	Each	OPNG	Opening		
EF	Each Face	OPP	Opposite	URM	Unreinforced Masonry Unit
EL	Elevation	OWSJ	Open Web Steel Joist		
ELEC	Electrical	OWWJ	Open Web Wood Joist	VERT	Vertical
ELEV	Elevator	PL	Plate	W	Wide
EMBED	Embedment	PAF	Powder Actuated Fastener	W/	With
EQ	Equal	PC	Precast	W/O	Without
EQUIP	Equipment	PERP	Perpendicular	WHS	Welded Headed Stud
EW	Each Way	PLWD	Plywood	WP	Working Point
EXP	Expansion	PP	Partial Penetration	WWF	Welded Wire Fabric
EXP JT	Expansion Joint	PREFAB	Prefabricated	±	Plus or Minus
EXT	Exterior	PSF	Pounds per Square Foot		

STRUCTURAL SHEET LIST

SHEET NUMBER	SHEET TITLE
S1.01	STRUCTURAL GENERAL NOTES
S1.02	STRUCTURAL GENERAL NOTES
S1.03	STRUCTURAL GENERAL NOTES
S1.04	STRUCTURAL LEGEND, ABBREVIATIONS AND SHEET LIST
S2.00	LOWER LEVEL FLOOR PLAN
S2.01	LEVEL 1 FLOOR PLAN
S2.01A	LEVEL 1 POST-TENSIONED PLAN
S2.02	LEVEL 2 FLOOR PLAN
S2.02A	LEVEL 2 POST-TENSIONED PLAN
S2.03	LEVEL 3 FLOOR PLAN
S2.03A	LEVEL 3 POST-TENSIONED PLAN
S2.04	LEVEL 4 FLOOR PLAN
S2.04A	LEVEL 4 POST-TENSIONED PLAN
S2.05	LEVEL 5 FLOOR PLAN
S2.05A	LEVEL 5 POST-TENSIONED PLAN
S2.06	LEVEL 6 FLOOR PLAN
S2.06A	LEVEL 6 POST TENSIONED PLAN
S2.07	ROOF LEVEL FLOOR PLAN
S2.07A	ROOF LEVEL POST-TENSIONED PLAN
S3.01	FOUNDATION DETAILS
S4.01	COLUMN DETAILS
S4.02	SHEAR WALL DETAILS
S5.01	CONCRETE DETAILS
S5.02	CONCRETE DETAILS
S5.03	CONCRETE DETAILS

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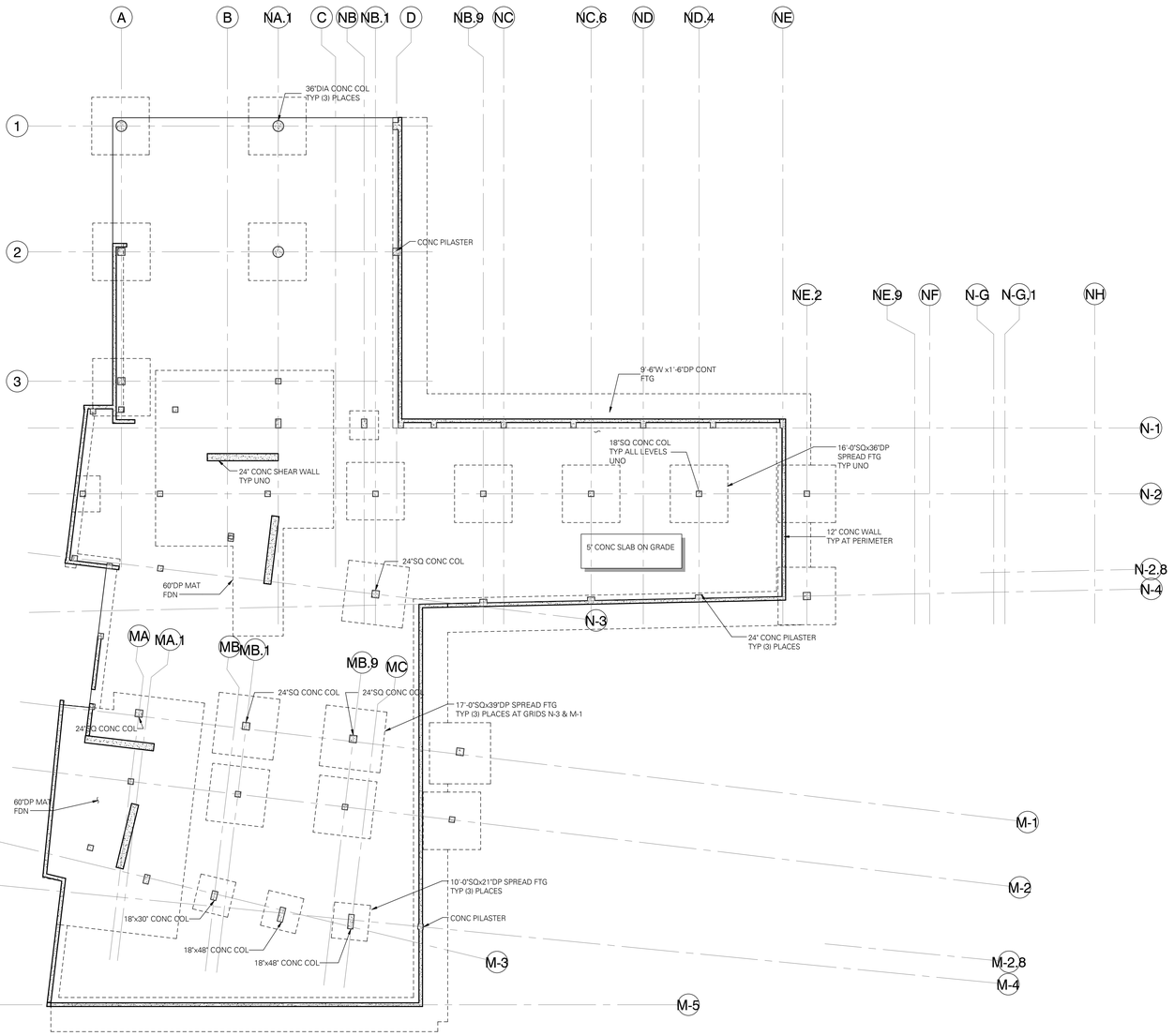
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14051-0020

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

N

FOUNDATION PLAN NOTES:

1. STRUCTURAL GENERAL NOTES, DESIGN CRITERIA, ABBREVIATIONS AND LEGEND PER S1.01, S1.02, S1.03 AND S1.04.

2. VERIFY ALL DIMENSIONS AND ELEVATIONS WITH THE ARCHITECTURAL DRAWINGS.

3. CONTRACTOR SHALL LOCATE AND VERIFY THE FOLLOWING WITH OTHERS PRIOR TO POURING CONCRETE: ALL DOOR OPENINGS IN FOUNDATION WALLS; DRAINS AND SLOPES; BLOCKOUTS;CHASES AND PIPES PER MECHANICAL, PLUMBING, ELECTRICAL AND SPRINKLER DRAWINGS. STAIR DETAILS AND GUARDRAILS PER ARCHITECTURAL DRAWINGS.

4. ALL FOOTINGS AND SLABS TO BEAR ON COMPETENT NATIVE SOIL AND/OR STRUCTURAL FILL. SUBGRADE PREPARATION, STRUCTURAL FILL, FOOTING DRAINS, AND OTHER REQUIREMENTS PER GEOTECH REPORT AS NOTED IN THE STRUCTURAL GENERAL NOTES.

5. CJ INDICATES CONTROL JOINT PER PLAN.

6. MOISTURE PROOF PER ARCHITECT.

7. STEEL STAIRS SHALL BE BIDDER-DESIGNED, UNO. APPLICABLE DESIGN REQUIREMENTS PER STRUCTURAL GENERAL NOTES.

8. TYPICAL DETAILS PER:

S3.01	FOUNDATION
S4.01	COLUMNS
S4.02	SHEAR WALLS
S5.01-S5.03	CONCRETE

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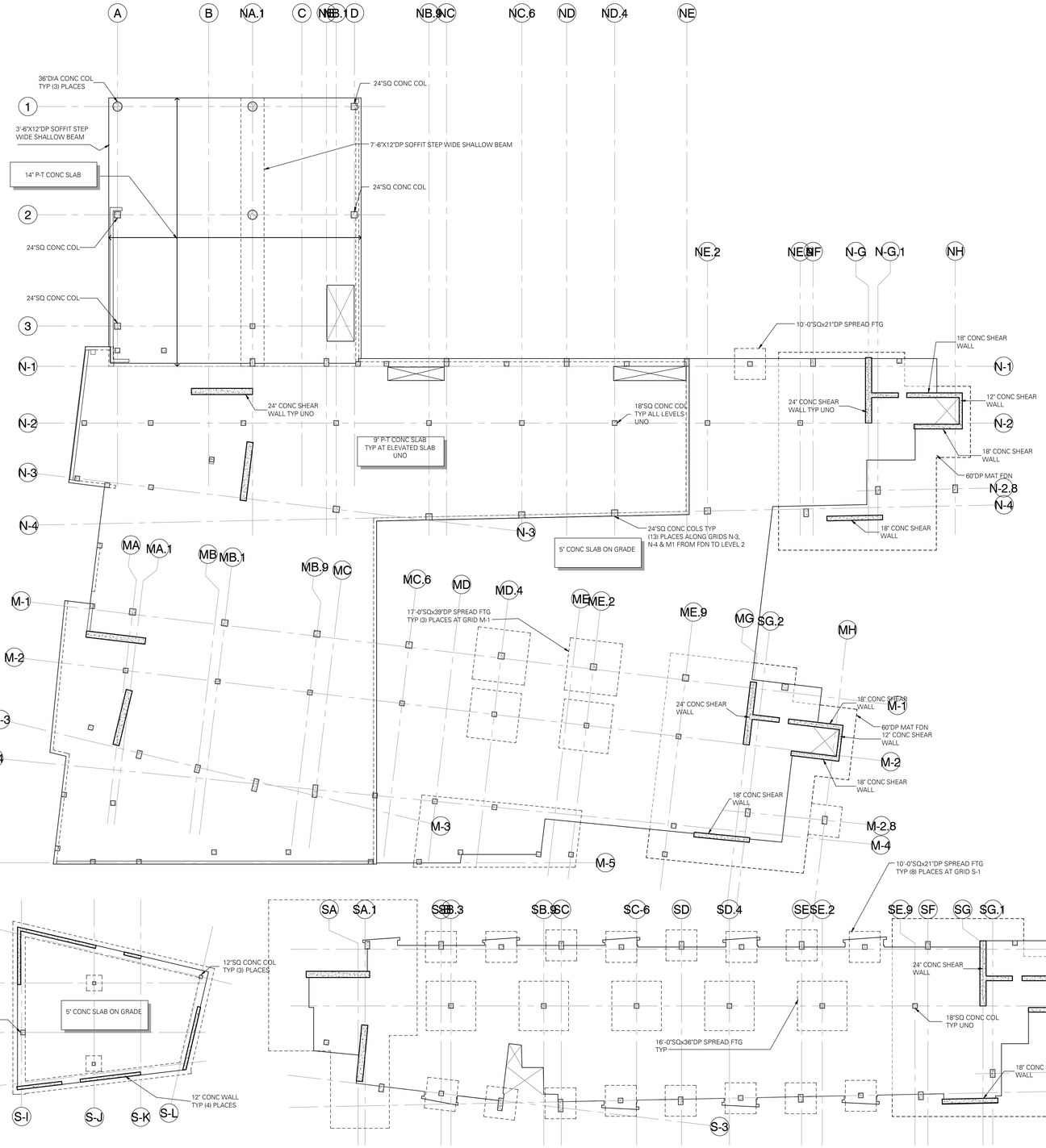
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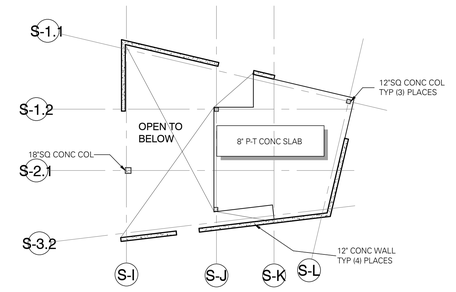
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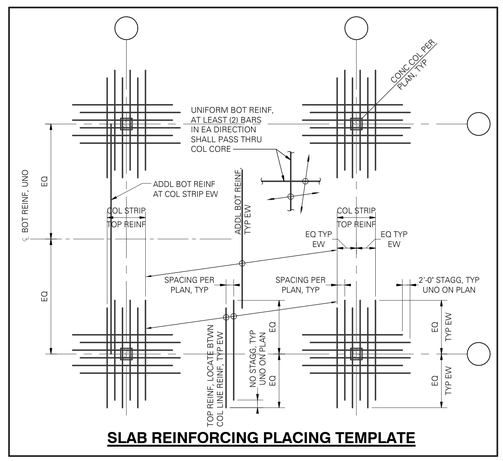
LEVEL 1 FLOOR PLAN

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



LEVEL 1M

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



SLAB REINFORCING PLACING TEMPLATE

MILD REINFORCING PLAN NOTES:

1. STRUCTURAL GENERAL NOTES, DESIGN CRITERIA, ABBREVIATIONS AND LEGEND PER S1.01, S1.02, S1.03 AND S1.04.
2. VERIFY ALL DIMENSIONS AND ELEVATIONS WITH THE ARCHITECTURAL DRAWINGS.
3. POST-TENSIONED TENDON LAYOUT SHALL BE PER POST-TENSIONED FRAMING PLAN.
4. CONTRACTOR IS RESPONSIBLE FOR THE DESIGN AND STAGING OF ALL SHORING AND RESHORING. SHORING PLACED BENEATH SLAB CLOSURE POURS SHALL NOT BE REMOVED UNTIL CLOSURE POUR CONCRETE HAS REACHED SPECIFIED STRENGTH.
5. COLUMN OR WALL OVER-POURS INTO POST-TENSIONED SLABS SHALL NOT BE GREATER THAN 1/2" MAXIMUM. REMOVE ANY EXCESSIVE COLUMN OR WALL OVER-POURS PRIOR TO PLACING REINFORCING BARS AND POST-TENSIONED TENDONS.
6. DO NOT INSTALL DRILL-IN ADHESIVE AND EXPANSION ANCHORS IN THE POST-TENSIONED SLAB. DRILLING INTO POST-TENSIONED SLAB WITHOUT APPROVAL FROM THE STRUCTURAL ENGINEER OF RECORD IS NOT PERMITTED. ALL BUILDING SYSTEMS: MECHANICAL, ELECTRICAL, PLUMBING, FIRE PROTECTION SHALL PLACE DUCTS, CHASES, PIPES OR PIPE SUPPORTS, CONDUIT SLEEVES AND HANGER INSERTS, ETC INTO THE POST-TENSIONED SLAB PRIOR TO POURING THE CONCRETE.
7. ADDITIONAL SHAFTS MAY BE LOCATED AFTER THE SLAB IS POURED IF APPROVED BY THE STRUCTURAL ENGINEER AND COORDINATED WITH THE GENERAL CONTRACTOR.
8. PROVIDE 1" CLEAR FOR ALL BOTTOM REINFORCING.
9. CONTRACTOR TO COORDINATE EMBED PLATES REQUIRED FOR STAIRS, GUARDRAILS, INTERIOR AND EXTERIOR WALLS, WINDOW WASHING ANCHORS, ETC.
10. TYPICAL DETAILS PER:

S3.01	FOUNDATION
S4.01	COLUMNS
S4.02	SHEAR WALLS
S5.01-S5.03	CONCRETE

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UCI PROJECT NO.
996296

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PROJECT MANAGER

PROJECT ARCHITECT

PROJECT TEAM MEMBERS

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TITLE
LEVEL 1 FLOOR PLAN

PROJECT NO.
14051-0020

DATE
5-30-2014

SHEET NUMBER
S2.01

Project Status

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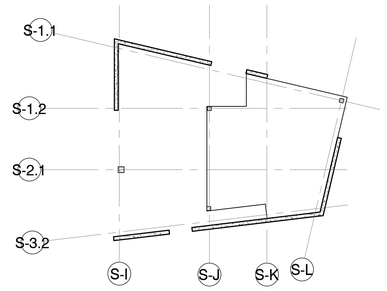
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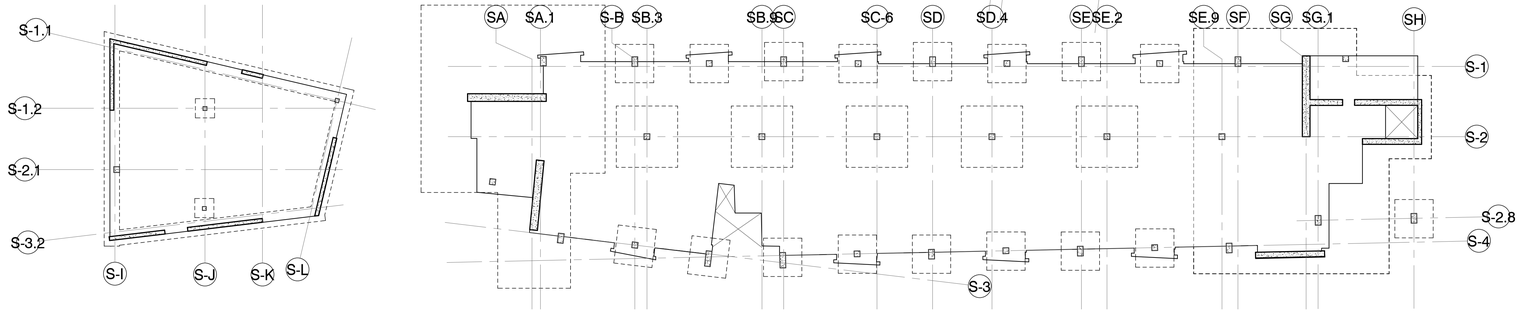
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LEVEL 1M POST-TENSIONED PLAN

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





LEVEL 1 POST-TENSIONED PLAN

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

POST-TENSIONED FRAMING PLAN NOTES:

1. STRUCTURAL GENERAL NOTES, DESIGN CRITERIA, ABBREVIATIONS AND LEGEND PER S1.1 AND S1.2.

2. VERIFY ALL DIMENSIONS AND ELEVATIONS WITH THE ARCHITECTURAL DRAWINGS. (ALL EXISTING CONDITIONS AND DIMENSIONS SHALL BE FIELD VERIFIED.)

3. MILD REINFORCING BAR LAYOUT SHALL BE PER MILD REINFORCING PLAN.

4. WALL DIMENSIONS, SLAB OPENING DIMENSIONS AND SECTION CUTS SHALL BE PER MILD REINFORCING PLAN.

5. CONTRACTOR IS RESPONSIBLE FOR THE DESIGN AND STAGING OF ALL SHORING AND RESHORING. SHORING PLACED BENEATH SLAB CLOSURE POURS SHALL NOT BE REMOVED UNTIL CLOSURE POUR CONCRETE HAS REACHED SPECIFIED STRENGTH.

6. STRUCTURAL SLAB THICKNESS AND TOP OF STRUCTURAL SLAB ARE AS SHOWN ON PLAN.

7. COLUMN OR WALL OVER-POURS INTO POST-TENSIONED SLABS SHALL NOT BE GREATER THAN 1/2" MAXIMUM. REMOVE ANY EXCESSIVE COLUMN OR WALL OVER-POURS PRIOR TO PLACING REINFORCING BARS AND POST-TENSIONED TENDONS.

8. DO NOT INSTALL DRILL-IN ADHESIVE AND EXPANSION ANCHORS IN THE POST-TENSIONED SLAB. DRILLING INTO POST-TENSIONED SLAB WITHOUT APPROVAL FROM THE STRUCTURAL ENGINEER OF RECORD IS NOT PERMITTED. ALL BUILDING SYSTEMS: MECHANICAL, ELECTRICAL, PLUMBING, FIRE PROTECTION SHALL PLACE DUCTS, CHASES, PIPES OR PIPE SUPPORTS, CONDUIT SLEEVES AND HANGER INSERTS, ETC INTO THE POST-TENSIONED SLAB PRIOR TO POURING THE CONCRETE.

9. ADDITIONAL SHAFTS MAY BE LOCATED AFTER THE SLAB IS POURED IF APPROVED BY THE STRUCTURAL ENGINEER OF RECORD AND COORDINATED WITH THE GENERAL CONTRACTOR.

10. TENDONS STRESSING SEQUENCE PER GENERAL NOTES. STRESS A MINIMUM OF (2) TENDONS AT SLAB EDGES PERPENDICULAR TO THE BANDED TENDON ENDS BEFORE BANDED TENDONS ARE STRESSED.

11. HORIZONTAL SWEEP OF THE TENDONS SHALL NOT BE GREATER THEN 1:6. TENDONS WITH HORIZONTAL SWEEP GREATER THAN 1:6 SHALL BE REVIEWED BY THE ENGINEER-OF-RECORD FOR TENDON SPACING AND ADDITIONAL REINFORCING REQUIREMENTS PRIOR TO PLACING CONCRETE.

12. [PROVIDE FULLY ENCAPSULATED SYSTEM OF THE POST-TENSIONED TENDONS AND ANCHORS AT THIS LEVEL.] ENCAPSULATION REQUIREMENTS PER STRUCTURAL GENERAL NOTES.

13. TYPICAL DETAILS PER:

SX [03301-03366] TYPICAL POST-TENSIONED DETAILS.
X/SX.X [03306, 03307] TYPICAL POST-TENSIONED ANCHOR DETAILS.
X/SX.X [03301] TYPICAL SLAB OPENING AT POST-TENSIONED FLOOR.
X/SX.X [03303] TYPICAL SLAB TENDON PROFILE.
X/SX.X [03305, 03305A] TYPICAL POST-TENSIONED CONSTRUCTION JOINT DETAILS

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PROJECT ARCHITECT

PROJECT TEAM MEMBERS

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TITLE
LEVEL 1 POST-TENSIONED PLAN

PROJECT NO.
14051-0020

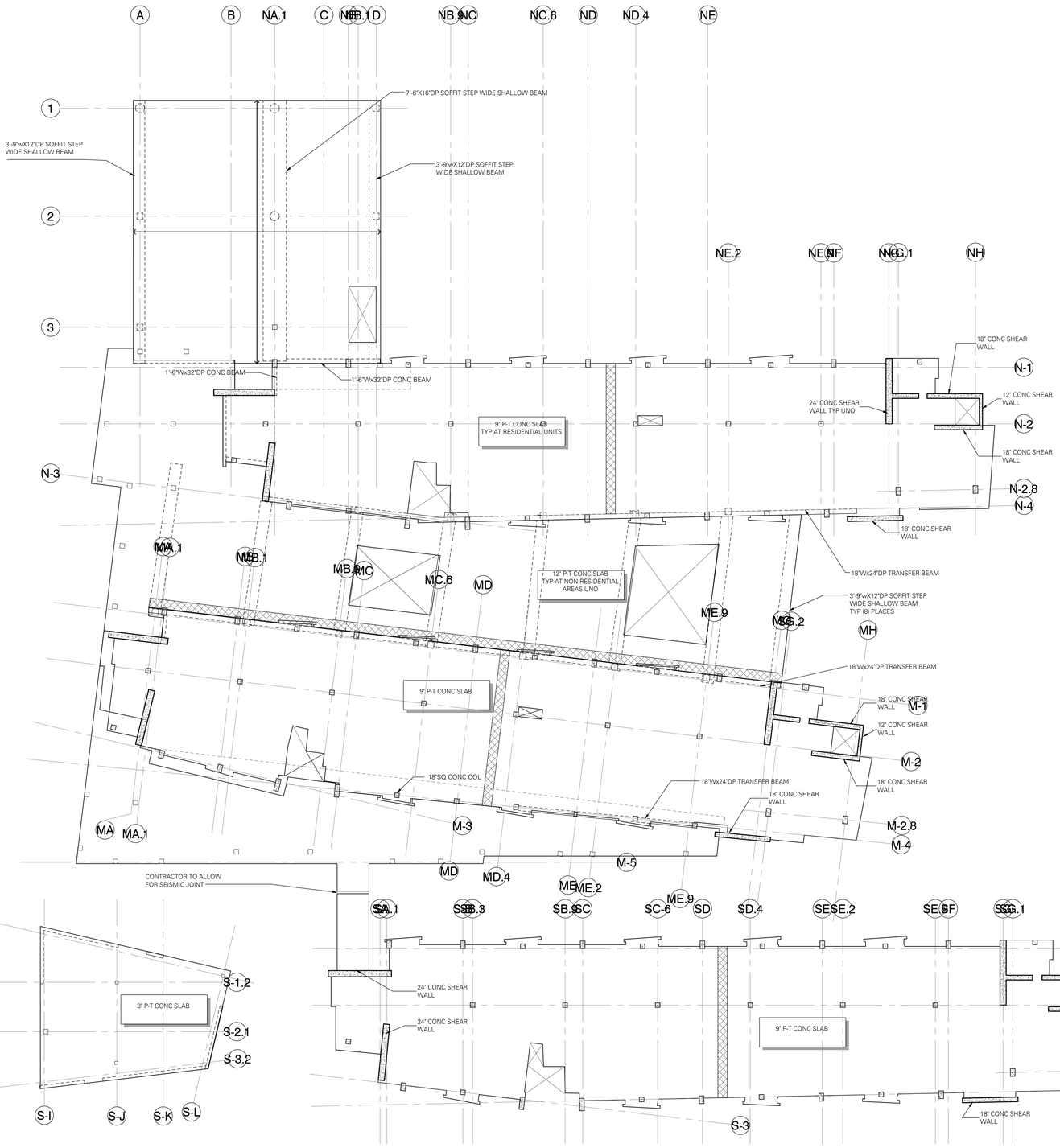
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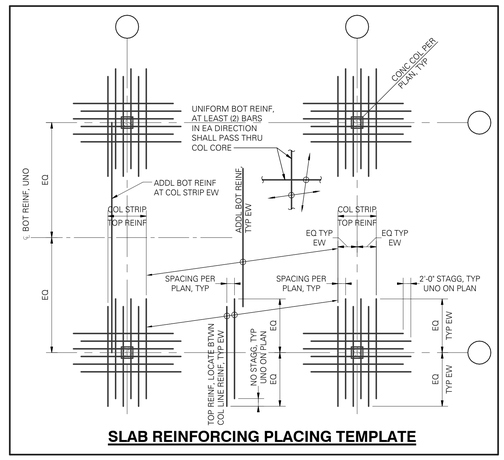
ORIGINAL SHEET SIZE 30" x 42"



LEVEL 2 FLOOR PLAN

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

N



SLAB REINFORCING PLACING TEMPLATE

MILD REINFORCING PLAN NOTES:

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2. VERIFY ALL DIMENSIONS AND ELEVATIONS WITH THE ARCHITECTURAL DRAWINGS.

3. POST-TENSIONED TENDON LAYOUT SHALL BE PER POST-TENSIONED FRAMING PLAN.

4. CONTRACTOR IS RESPONSIBLE FOR THE DESIGN AND STAGING OF ALL SHORING AND RESHORING. SHORING PLACED BENEATH SLAB CLOSURE POURS SHALL NOT BE REMOVED UNTIL CLOSURE POUR CONCRETE HAS REACHED SPECIFIED STRENGTH.

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10. TYPICAL DETAILS PER:

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S4.01	COLUMNS
S4.02	SHEAR WALLS
S5.01-S5.03	CONCRETE

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TITLE
LEVEL 2 FLOOR PLAN

PROJECT NO.
14051-0020

DATE
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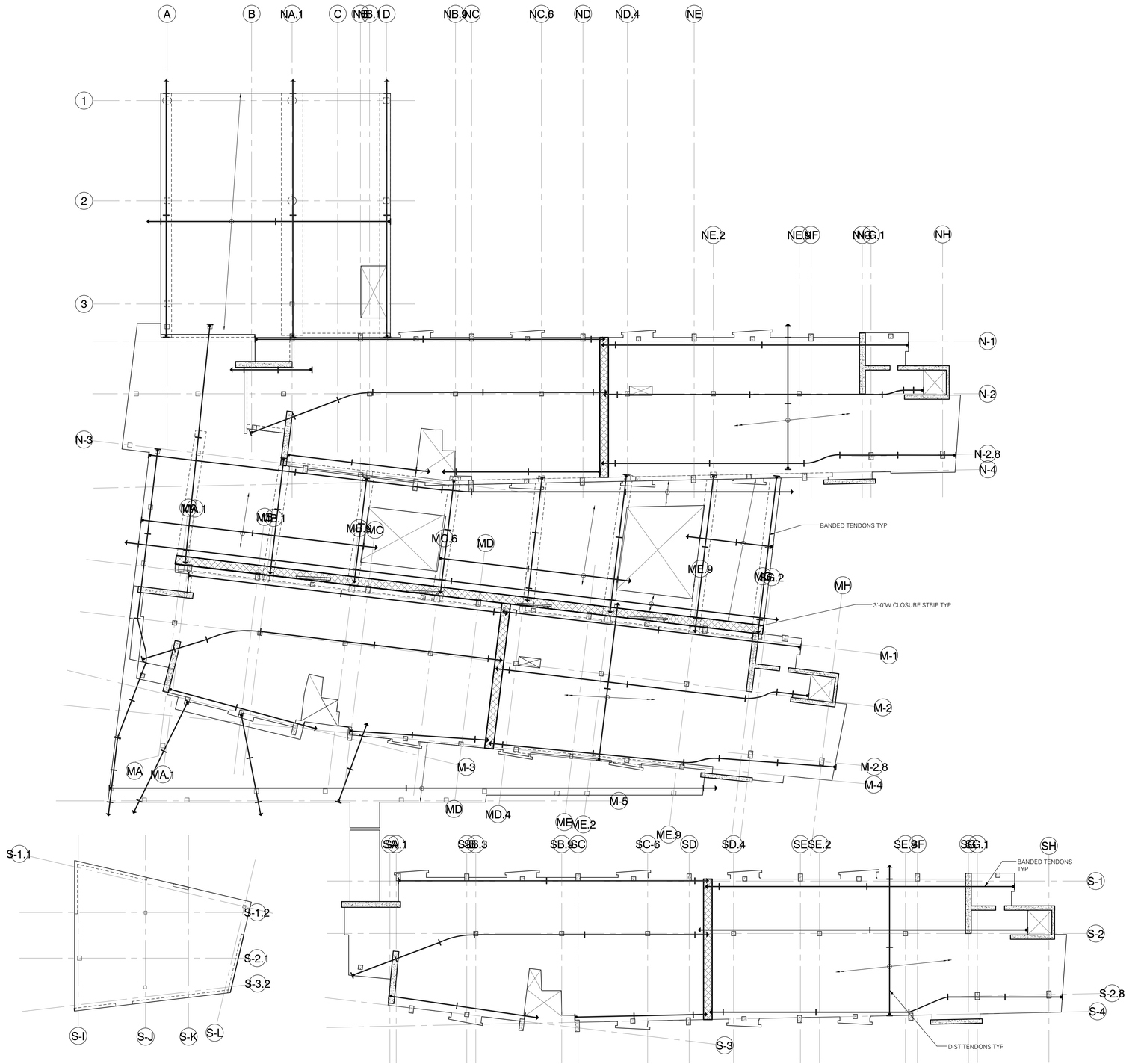
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LEVEL 2 POST-TENSIONED PLAN

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1. STRUCTURAL GENERAL NOTES, DESIGN CRITERIA, ABBREVIATIONS AND LEGEND PER S1.01, S1.02, S1.03 AND S1.04.

2. VERIFY ALL DIMENSIONS AND ELEVATIONS WITH THE ARCHITECTURAL DRAWINGS.

3. MILD REINFORCING BAR LAYOUT SHALL BE PER MILD REINFORCING PLAN.

4. WALL DIMENSIONS, SLAB OPENING DIMENSIONS AND SECTION CUTS SHALL BE PER MILD REINFORCING PLAN.

5. CONTRACTOR IS RESPONSIBLE FOR THE DESIGN AND STAGING OF ALL SHORING AND RESHORING. SHORING PLACED BENEATH SLAB CLOSURE POURS SHALL NOT BE REMOVED UNTIL CLOSURE POUR CONCRETE HAS REACHED SPECIFIED STRENGTH.

6. DO NOT INSTALL DRILL-IN ADHESIVE AND EXPANSION ANCHORS IN THE POST-TENSIONED SLAB. DRILLING INTO POST-TENSIONED SLAB WITHOUT APPROVAL FROM THE STRUCTURAL ENGINEER OF RECORD IS NOT PERMITTED. ALL BUILDING SYSTEMS: MECHANICAL, ELECTRICAL, PLUMBING, FIRE PROTECTION SHALL PLACE DUCTS, CHASES, PIPES OR PIPE SUPPORTS, CONDUIT SLEEVES AND HANGER INSERTS, ETC INTO THE POST-TENSIONED SLAB PRIOR TO POURING THE CONCRETE.

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8. TENDONS STRESSING SEQUENCE PER GENERAL NOTES. STRESS A MINIMUM OF (2) TENDONS AT SLAB EDGES PERPENDICULAR TO THE BANDED TENDON ENDS BEFORE BANDED TENDONS ARE STRESSED.

9. HORIZONTAL SWEEP OF THE TENDONS SHALL NOT BE GREATER THEN 1:6. TENDONS WITH HORIZONTAL SWEEP GREATER THAN 1:6 SHALL BE REVIEWED BY THE ENGINEER-OF-RECORD FOR TENDON SPACING AND ADDITIONAL REINFORCING REQUIREMENTS PRIOR TO PLACING CONCRETE.

10. TYPICAL DETAILS PER:

S3.01	FOUNDATION
S4.01	COLUMNS
S4.02	SHEAR WALLS
S5.01-S5.03	CONCRETE

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PROJECT MANAGER

PROJECT ARCHITECT

PROJECT TEAM MEMBERS

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ARCHITECT SEAL

TITLE
LEVEL 2 POST-TENSIONED PLAN

PROJECT NO.
14051-0020

DATE
5-30-2014

SHEET NUMBER
S2.02A

Project Status

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ORIGINAL SHEET SIZE 36" x 42"

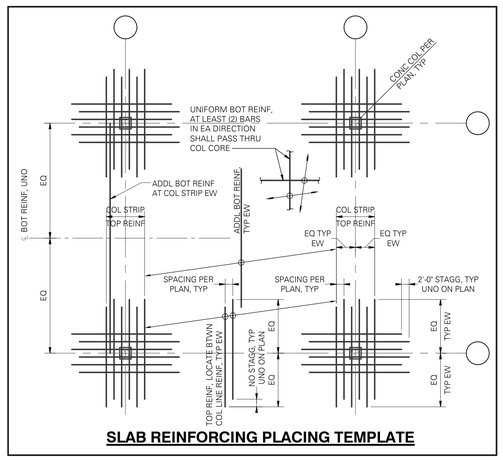
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LEVEL 3 FLOOR PLAN

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



SLAB REINFORCING PLACING TEMPLATE

MILD REINFORCING PLAN NOTES:

1. STRUCTURAL GENERAL NOTES, DESIGN CRITERIA, ABBREVIATIONS AND LEGEND PER S1.01, S1.02, S1.03 AND S1.04.

2. VERIFY ALL DIMENSIONS AND ELEVATIONS WITH THE ARCHITECTURAL DRAWINGS.

3. POST-TENSIONED TENDON LAYOUT SHALL BE PER POST-TENSIONED FRAMING PLAN.

4. CONTRACTOR IS RESPONSIBLE FOR THE DESIGN AND STAGING OF ALL SHORING AND RESHORING. SHORING PLACED BENEATH SLAB CLOSURE POURS SHALL NOT BE REMOVED UNTIL CLOSURE POUR CONCRETE HAS REACHED SPECIFIED STRENGTH.

5. COLUMN OR WALL OVER-POURS INTO POST-TENSIONED SLABS SHALL NOT BE GREATER THAN 1/2" MAXIMUM. REMOVE ANY EXCESSIVE COLUMN OR WALL OVER-POURS PRIOR TO PLACING REINFORCING BARS AND POST-TENSIONED TENDONS.

6. DO NOT INSTALL DRILL-IN ADHESIVE AND EXPANSION ANCHORS IN THE POST-TENSIONED SLAB. DRILLING INTO POST-TENSIONED SLAB WITHOUT APPROVAL FROM THE STRUCTURAL ENGINEER OF RECORD IS NOT PERMITTED. ALL BUILDING SYSTEMS: MECHANICAL, ELECTRICAL, PLUMBING, FIRE PROTECTION SHALL PLACE DUCTS, CHASES, PIPES OR PIPE SUPPORTS, CONDUIT SLEEVES AND HANGER INSERTS, ETC INTO THE POST-TENSIONED SLAB PRIOR TO POURING THE CONCRETE.

7. ADDITIONAL SHAFTS MAY BE LOCATED AFTER THE SLAB IS POURED IF APPROVED BY THE STRUCTURAL ENGINEER AND COORDINATED WITH THE GENERAL CONTRACTOR.

8. PROVIDE 1" CLEAR FOR ALL BOTTOM REINFORCING.

9. CONTRACTOR TO COORDINATE EMBED PLATES REQUIRED FOR STAIRS, GUARDRAILS, INTERIOR AND EXTERIOR WALLS, WINDOW WASHING ANCHORS, ETC.

10. TYPICAL DETAILS PER:

S3.01	FOUNDATION
S4.01	COLUMNS
S4.02	SHEAR WALLS
S5.01-S5.03	CONCRETE

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UCI PROJECT NO.
996296

KEYMAP

NO.	DATE	REVISION

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PROJECT ARCHITECT

PROJECT TEAM MEMBERS

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ARCHITECT SEAL

TITLE
LEVEL 3 FLOOR PLAN

PROJECT NO.
14051-0020

DATE
5-30-2014

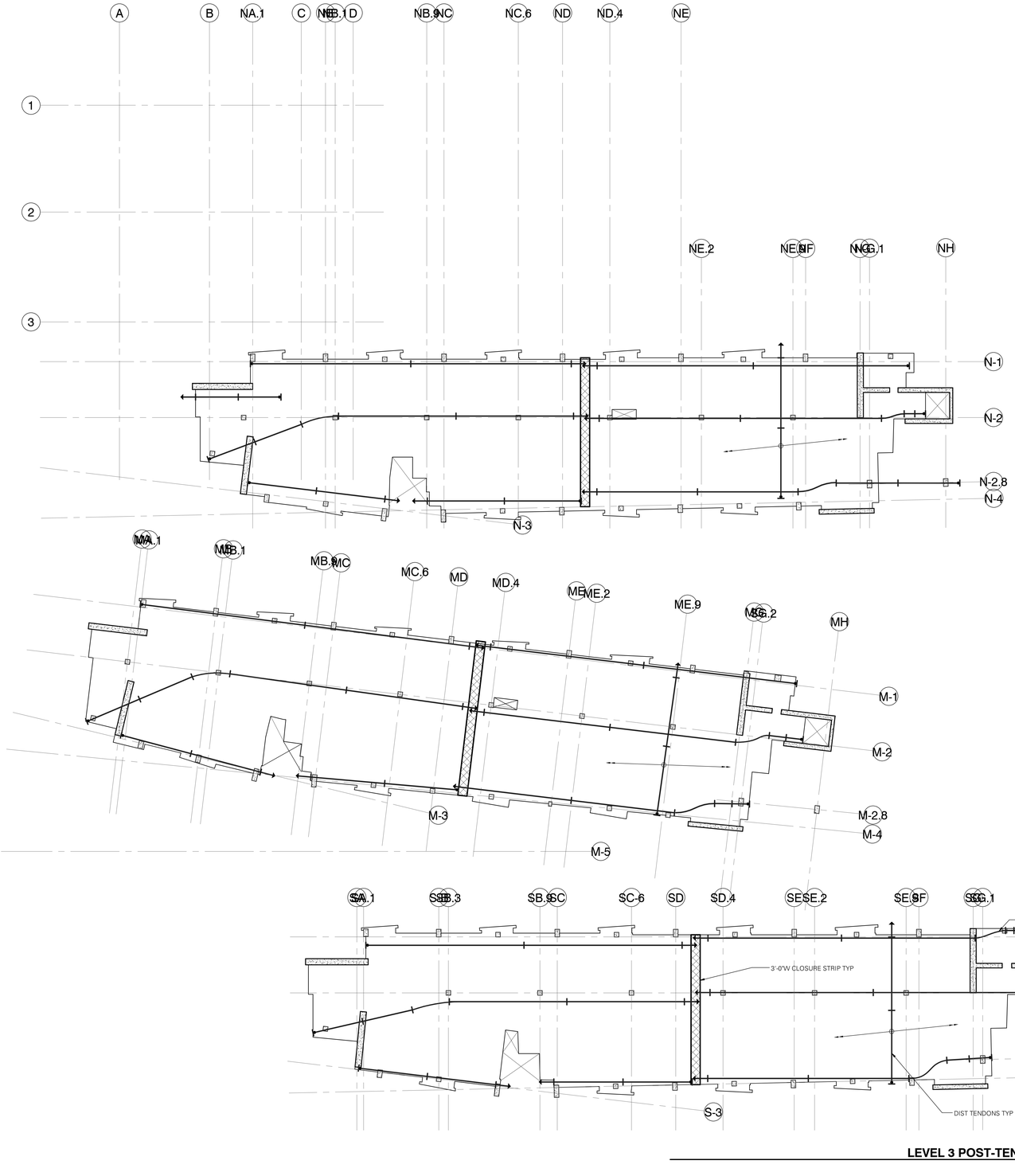
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S2.03

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LEVEL 3 POST-TENSIONED PLAN

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

N

POST-TENSIONED FRAMING PLAN NOTES:

1. STRUCTURAL GENERAL NOTES, DESIGN CRITERIA, ABBREVIATIONS AND LEGEND PER S1.01, S1.02, S1.03 AND S1.04.

2. VERIFY ALL DIMENSIONS AND ELEVATIONS WITH THE ARCHITECTURAL DRAWINGS.

3. MILD REINFORCING BAR LAYOUT SHALL BE PER MILD REINFORCING PLAN.

4. WALL DIMENSIONS, SLAB OPENING DIMENSIONS AND SECTION CUTS SHALL BE PER MILD REINFORCING PLAN.

5. CONTRACTOR IS RESPONSIBLE FOR THE DESIGN AND STAGING OF ALL SHORING AND RESHORING. SHORING PLACED BENEATH SLAB CLOSURE POURS SHALL NOT BE REMOVED UNTIL CLOSURE POUR CONCRETE HAS REACHED SPECIFIED STRENGTH.

6. DO NOT INSTALL DRILL-IN ADHESIVE AND EXPANSION ANCHORS IN THE POST-TENSIONED SLAB. DRILLING INTO POST-TENSIONED SLAB WITHOUT APPROVAL FROM THE STRUCTURAL ENGINEER OF RECORD IS NOT PERMITTED. ALL BUILDING SYSTEMS: MECHANICAL, ELECTRICAL, PLUMBING, FIRE PROTECTION SHALL PLACE DUCTS, CHASES, PIPES OR PIPE SUPPORTS, CONDUIT SLEEVES AND HANGER INSERTS, ETC INTO THE POST-TENSIONED SLAB PRIOR TO POURING THE CONCRETE.

7. ADDITIONAL SHAFTS MAY BE LOCATED AFTER THE SLAB IS POURED IF APPROVED BY THE STRUCTURAL ENGINEER OF RECORD AND COORDINATED WITH THE GENERAL CONTRACTOR.

8. TENDONS STRESSING SEQUENCE PER GENERAL NOTES. STRESS A MINIMUM OF (2) TENDONS AT SLAB EDGES PERPENDICULAR TO THE BANDED TENDON ENDS BEFORE BANDED TENDONS ARE STRESSED.

9. HORIZONTAL SWEEP OF THE TENDONS SHALL NOT BE GREATER THEN 1:6. TENDONS WITH HORIZONTAL SWEEP GREATER THAN 1:6 SHALL BE REVIEWED BY THE ENGINEER-OF-RECORD FOR TENDON SPACING AND ADDITIONAL REINFORCING REQUIREMENTS PRIOR TO PLACING CONCRETE.

10. TYPICAL DETAILS PER:

S3.01	FOUNDATION
S4.01	COLUMNS
S4.02	SHEAR WALLS
S5.01-S5.03	CONCRETE

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PROJECT TEAM MEMBERS

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ARCHITECT SEAL

TITLE
LEVEL 3 POST-TENSIONED PLAN

PROJECT NO.
14051-0020

DATE
5-30-2014

SHEET NUMBER
S2.03A

Project Status

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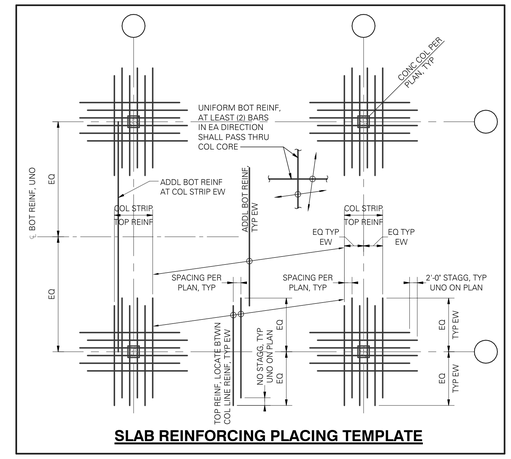
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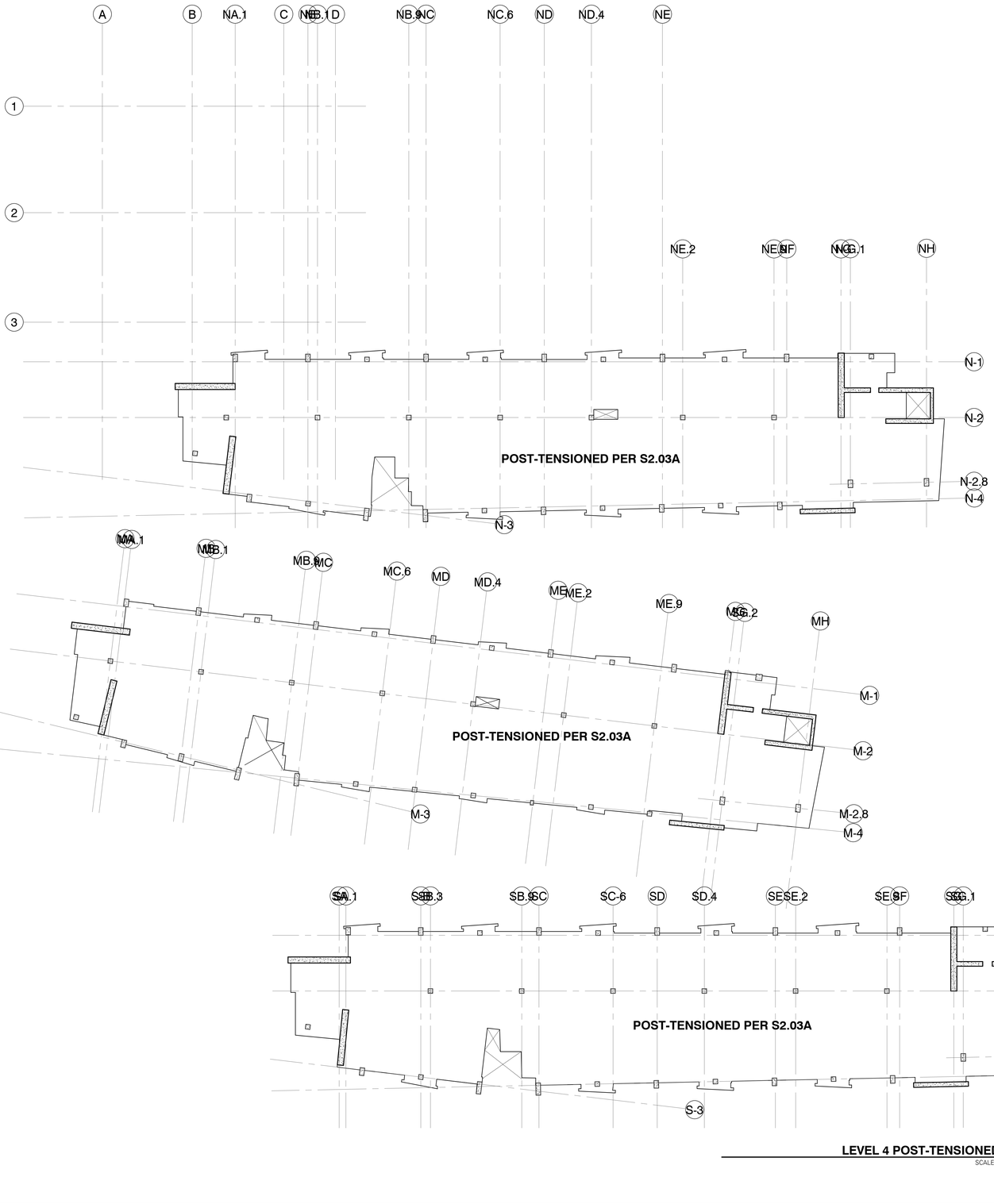
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LEVEL 4 FLOOR PLAN

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


UNIFORM BOT REINF, AT LEAST (2) BARS IN EA DIRECTION SHALL PASS THRU COL CORE
CONC COL PEER PLAN, TYP
ADDL BOT REINF AT COL STRIP EW
COL STRIP TOP REINF
ADDL BOT REINF TYP EW
COL STRIP TOP REINF
EQ TYP EW
EQ TYP EW
SPACING PER PLAN, TYP
SPACING PER PLAN, TYP
2'-0" STAGG, TYP UNO ON PLAN
EQ
EQ
EQ



LEVEL 4 POST-TENSIONED PLAN

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

N

POST-TENSIONED FRAMING PLAN NOTES:

1. STRUCTURAL GENERAL NOTES, DESIGN CRITERIA, ABBREVIATIONS AND LEGEND PER S1.01, S1.02, S1.03 AND S1.04.

2. VERIFY ALL DIMENSIONS AND ELEVATIONS WITH THE ARCHITECTURAL DRAWINGS.

3. MILD REINFORCING BAR LAYOUT SHALL BE PER MILD REINFORCING PLAN.

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10. TYPICAL DETAILS PER:

S3.01	FOUNDATION
S4.01	COLUMNS
S4.02	SHEAR WALLS
S5.01-S5.03	CONCRETE

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TITLE
LEVEL 4 POST-TENSIONED PLAN

PROJECT NO.
14051-0020

DATE
5-30-2014

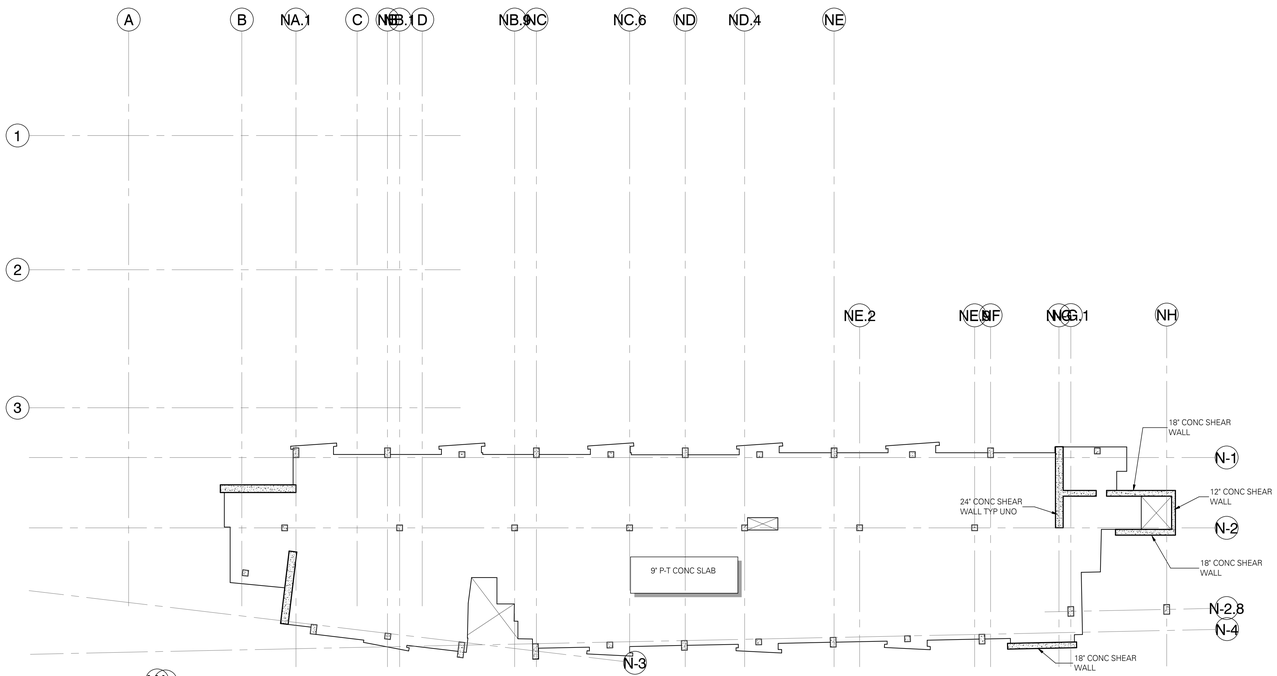
SHEET NUMBER
S2.04A

Project Status

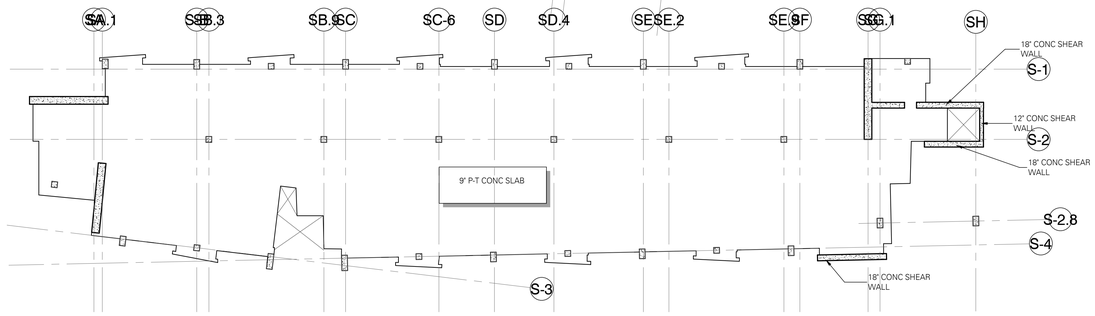
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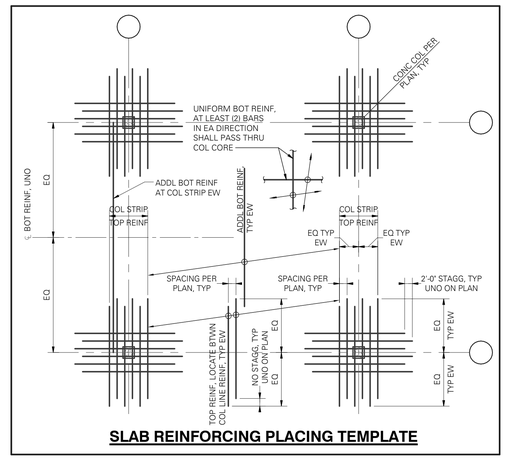






LEVEL 5 FLOOR PLAN

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



SLAB REINFORCING PLACING TEMPLATE

MILD REINFORCING PLAN NOTES:

1. STRUCTURAL GENERAL NOTES, DESIGN CRITERIA, ABBREVIATIONS AND LEGEND PER S1.01, S1.02, S1.03 AND S1.04.
2. VERIFY ALL DIMENSIONS AND ELEVATIONS WITH THE ARCHITECTURAL DRAWINGS.
3. POST-TENSIONED TENDON LAYOUT SHALL BE PER POST-TENSIONED FRAMING PLAN.
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8. PROVIDE 1" CLEAR FOR ALL BOTTOM REINFORCING.
9. CONTRACTOR TO COORDINATE EMBED PLATES REQUIRED FOR STAIRS, GUARDRAILS, INTERIOR AND EXTERIOR WALLS, WINDOW WASHING ANCHORS, ETC.
10. TYPICAL DETAILS PER:

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S4.02	SHEAR WALLS
S5.01-S5.03	CONCRETE

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DATE
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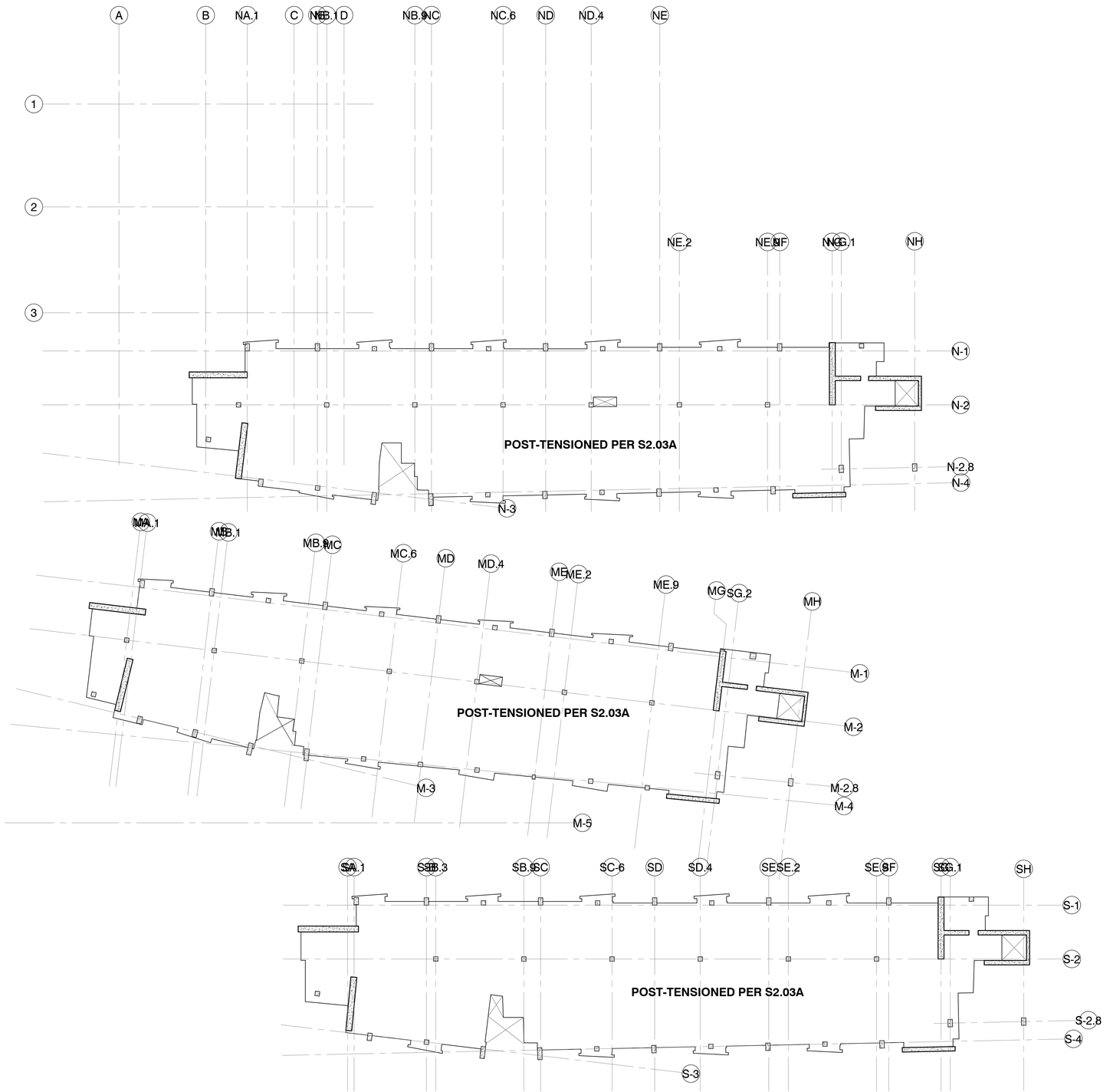
SHEET NUMBER
S2.05

Project Status

ORIGINAL SHEET SIZE: 36" x 42"

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LEVEL 5 POST-TENSIONED PLAN

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

N

POST-TENSIONED FRAMING PLAN NOTES:

1. STRUCTURAL GENERAL NOTES, DESIGN CRITERIA, ABBREVIATIONS AND LEGEND PER S1.01, S1.02, S1.03 AND S1.04.

2. VERIFY ALL DIMENSIONS AND ELEVATIONS WITH THE ARCHITECTURAL DRAWINGS.

3. MILD REINFORCING BAR LAYOUT SHALL BE PER MILD REINFORCING PLAN.

4. WALL DIMENSIONS, SLAB OPENING DIMENSIONS AND SECTION CUTS SHALL BE PER MILD REINFORCING PLAN.

5. CONTRACTOR IS RESPONSIBLE FOR THE DESIGN AND STAGING OF ALL SHORING AND RESHORING. SHORING PLACED BENEATH SLAB CLOSURE POURS SHALL NOT BE REMOVED UNTIL CLOSURE POUR CONCRETE HAS REACHED SPECIFIED STRENGTH.

6. DO NOT INSTALL DRILL-IN ADHESIVE AND EXPANSION ANCHORS IN THE POST-TENSIONED SLAB. DRILLING INTO POST-TENSIONED SLAB WITHOUT APPROVAL FROM THE STRUCTURAL ENGINEER OF RECORD IS NOT PERMITTED. ALL BUILDING SYSTEMS: MECHANICAL, ELECTRICAL, PLUMBING, FIRE PROTECTION SHALL PLACE DUCTS, CHASES, PIPES OR PIPE SUPPORTS, CONDUIT SLEEVES AND HANGER INSERTS, ETC INTO THE POST-TENSIONED SLAB PRIOR TO POURING THE CONCRETE.

7. ADDITIONAL SHAFTS MAY BE LOCATED AFTER THE SLAB IS POURED IF APPROVED BY THE STRUCTURAL ENGINEER OF RECORD AND COORDINATED WITH THE GENERAL CONTRACTOR.

8. TENDONS STRESSING SEQUENCE PER GENERAL NOTES. STRESS A MINIMUM OF (2) TENDONS AT SLAB EDGES PERPENDICULAR TO THE BANDED TENDON ENDS BEFORE BANDED TENDONS ARE STRESSED.

9. HORIZONTAL SWEEP OF THE TENDONS SHALL NOT BE GREATER THEN 1:6. TENDONS WITH HORIZONTAL SWEEP GREATER THAN 1:6 SHALL BE REVIEWED BY THE ENGINEER-OF-RECORD FOR TENDON SPACING AND ADDITIONAL REINFORCING REQUIREMENTS PRIOR TO PLACING CONCRETE.

10. TYPICAL DETAILS PER:

S3.01	FOUNDATION
S4.01	COLUMNS
S4.02	SHEAR WALLS
S5.01-S5.03	CONCRETE

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KEYMAP

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PROJECT ARCHITECT

PROJECT TEAM MEMBERS

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ARCHITECT SEAL

TITLE
LEVEL 5 POST-TENSIONED PLAN

PROJECT NO.
14051-0020

DATE
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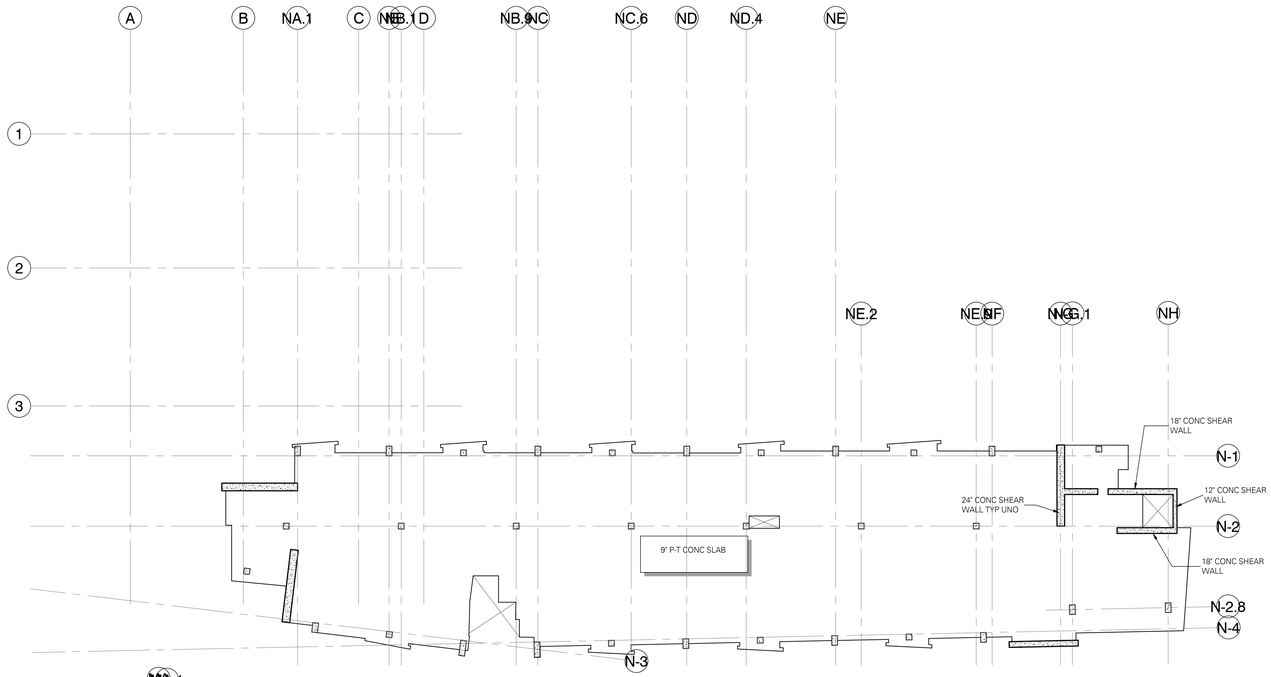
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S2.05A

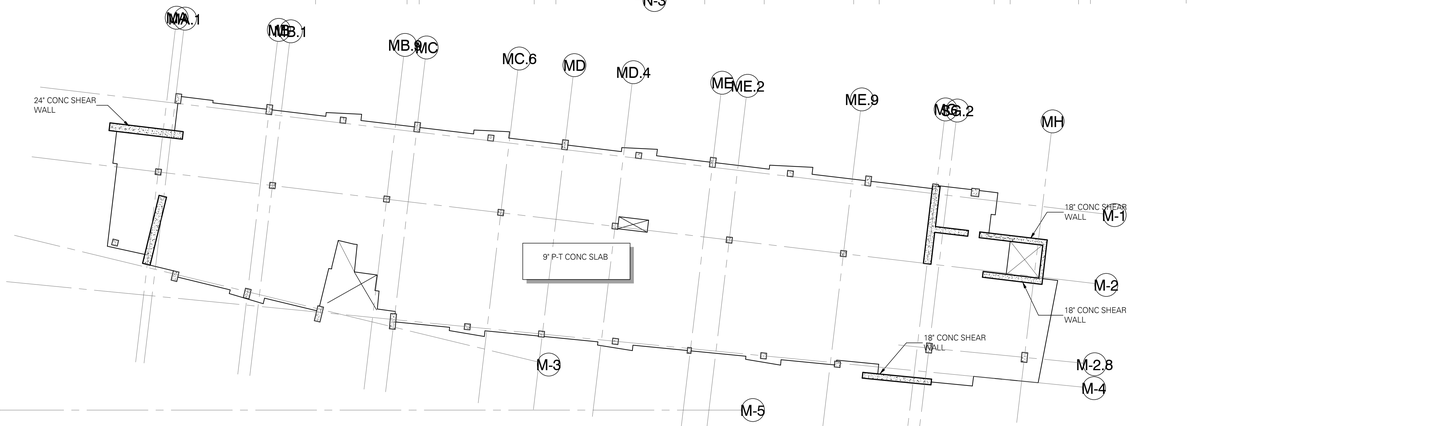
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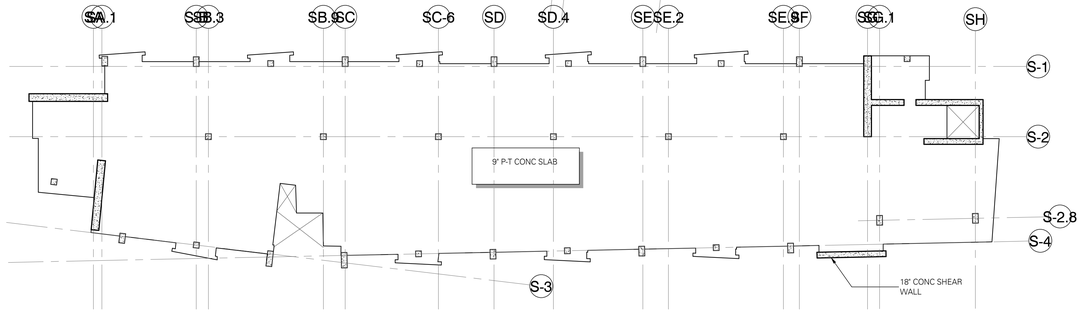
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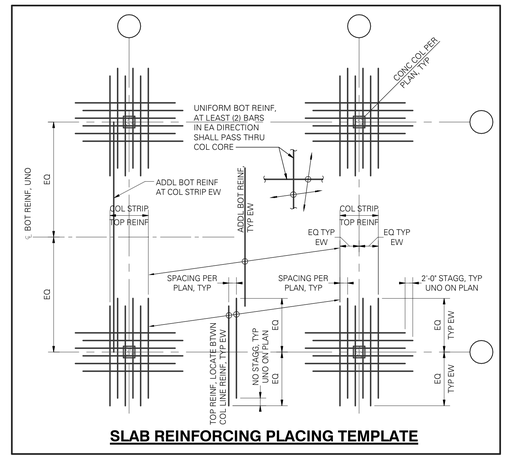




LEVEL 6 FLOOR PLAN

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

N



SLAB REINFORCING PLACING TEMPLATE

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3. POST-TENSIONED TENDON LAYOUT SHALL BE PER POST-TENSIONED FRAMING PLAN.
4. CONTRACTOR IS RESPONSIBLE FOR THE DESIGN AND STAGING OF ALL SHORING AND RESHORING. SHORING PLACED BENEATH SLAB CLOSURE POURS SHALL NOT BE REMOVED UNTIL CLOSURE POUR CONCRETE HAS REACHED SPECIFIED STRENGTH.
5. COLUMN OR WALL OVER-POURS INTO POST-TENSIONED SLABS SHALL NOT BE GREATER THAN 1/2" MAXIMUM. REMOVE ANY EXCESSIVE COLUMN OR WALL OVER-POURS PRIOR TO PLACING REINFORCING BARS AND POST-TENSIONED TENDONS.
6. DO NOT INSTALL DRILL-IN ADHESIVE AND EXPANSION ANCHORS IN THE POST-TENSIONED SLAB. DRILLING INTO POST-TENSIONED SLAB WITHOUT APPROVAL FROM THE STRUCTURAL ENGINEER OF RECORD IS NOT PERMITTED. ALL BUILDING SYSTEMS: MECHANICAL, ELECTRICAL, PLUMBING, FIRE PROTECTION SHALL PLACE DUCTS, CHASES, PIPES OR PIPE SUPPORTS, CONDUIT SLEEVES AND HANGER INSERTS, ETC INTO THE POST-TENSIONED SLAB PRIOR TO POURING THE CONCRETE.
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8. PROVIDE 1" CLEAR FOR ALL BOTTOM REINFORCING.
9. CONTRACTOR TO COORDINATE EMBED PLATES REQUIRED FOR STAIRS, GUARDRAILS, INTERIOR AND EXTERIOR WALLS, WINDOW WASHING ANCHORS, ETC.
10. TYPICAL DETAILS PER:

S3.01	FOUNDATION
S4.01	COLUMNS
S4.02	SHEAR WALLS
S5.01-S5.03	CONCRETE

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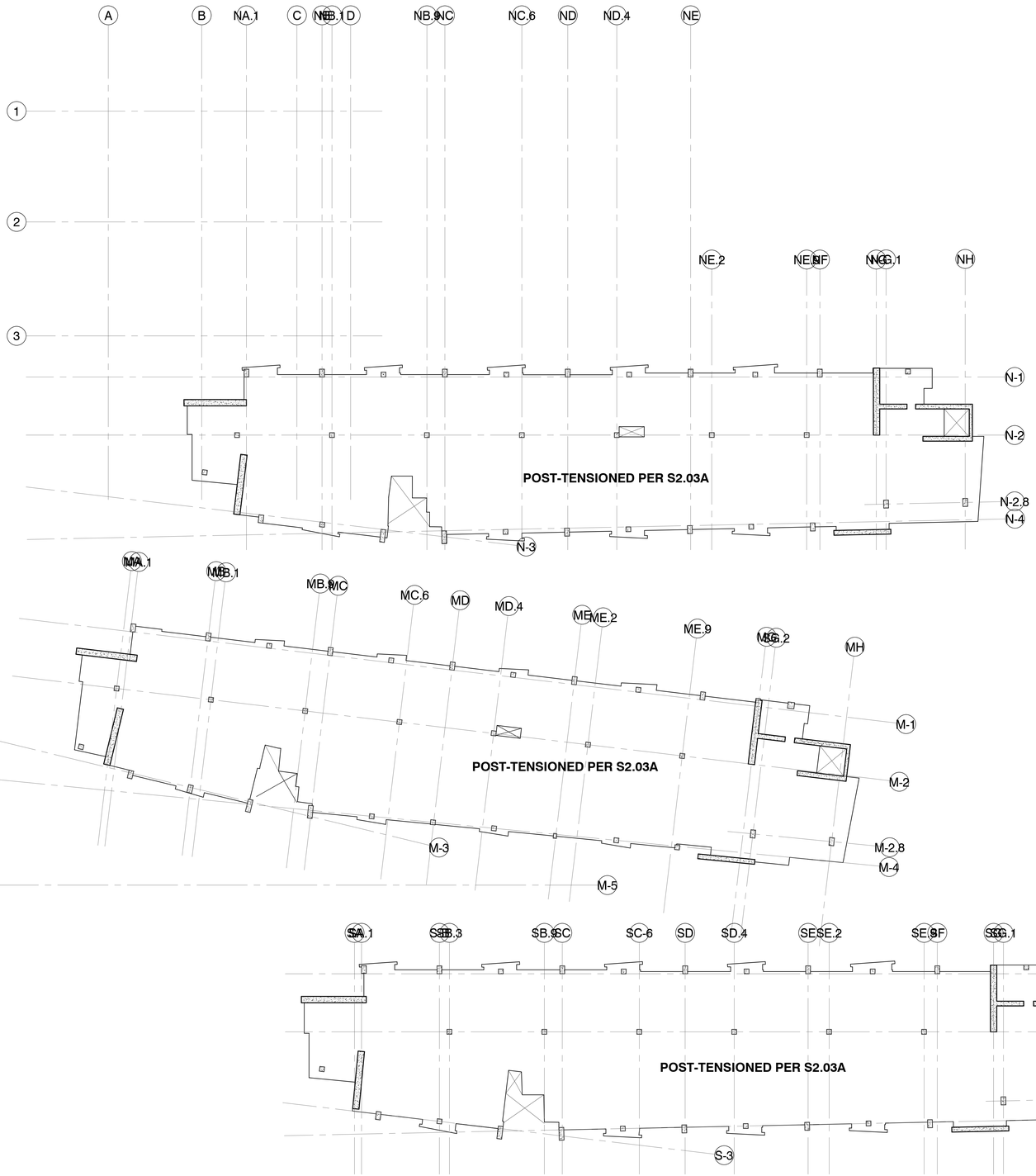
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LEVEL 6 FLOOR PLAN

PROJECT NO.
14051-0020
DATE
5-30-2014

SHEET NUMBER
S2.06
Project Status

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LEVEL 6 POST-TENSIONED PLAN

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

N

POST-TENSIONED FRAMING PLAN NOTES:

1. STRUCTURAL GENERAL NOTES, DESIGN CRITERIA, ABBREVIATIONS AND LEGEND PER S1.01, S1.02, S1.03 AND S1.04.
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6. DO NOT INSTALL DRILL-IN ADHESIVE AND EXPANSION ANCHORS IN THE POST-TENSIONED SLAB. DRILLING INTO POST-TENSIONED SLAB WITHOUT APPROVAL FROM THE STRUCTURAL ENGINEER OF RECORD IS NOT PERMITTED. ALL BUILDING SYSTEMS: MECHANICAL, ELECTRICAL, PLUMBING, FIRE PROTECTION SHALL PLACE DUCTS, CHASES, PIPES OR PIPE SUPPORTS, CONDUIT SLEEVES AND HANGER INSERTS, ETC INTO THE POST-TENSIONED SLAB PRIOR TO POURING THE CONCRETE.
7. ADDITIONAL SHAFTS MAY BE LOCATED AFTER THE SLAB IS POURED IF APPROVED BY THE STRUCTURAL ENGINEER OF RECORD AND COORDINATED WITH THE GENERAL CONTRACTOR.
8. TENDONS STRESSING SEQUENCE PER GENERAL NOTES. STRESS A MINIMUM OF (2) TENDONS AT SLAB EDGES PERPENDICULAR TO THE BANDED TENDON ENDS BEFORE BANDED TENDONS ARE STRESSED.
9. HORIZONTAL SWEEP OF THE TENDONS SHALL NOT BE GREATER THEN 1:6. TENDONS WITH HORIZONTAL SWEEP GREATER THAN 1:6 SHALL BE REVIEWED BY THE ENGINEER-OF-RECORD FOR TENDON SPACING AND ADDITIONAL REINFORCING REQUIREMENTS PRIOR TO PLACING CONCRETE.
10. TYPICAL DETAILS PER:

S3.01	FOUNDATION
S4.01	COLUMNS
S4.02	SHEAR WALLS
S5.01-S5.03	CONCRETE

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PROJECT ARCHITECT

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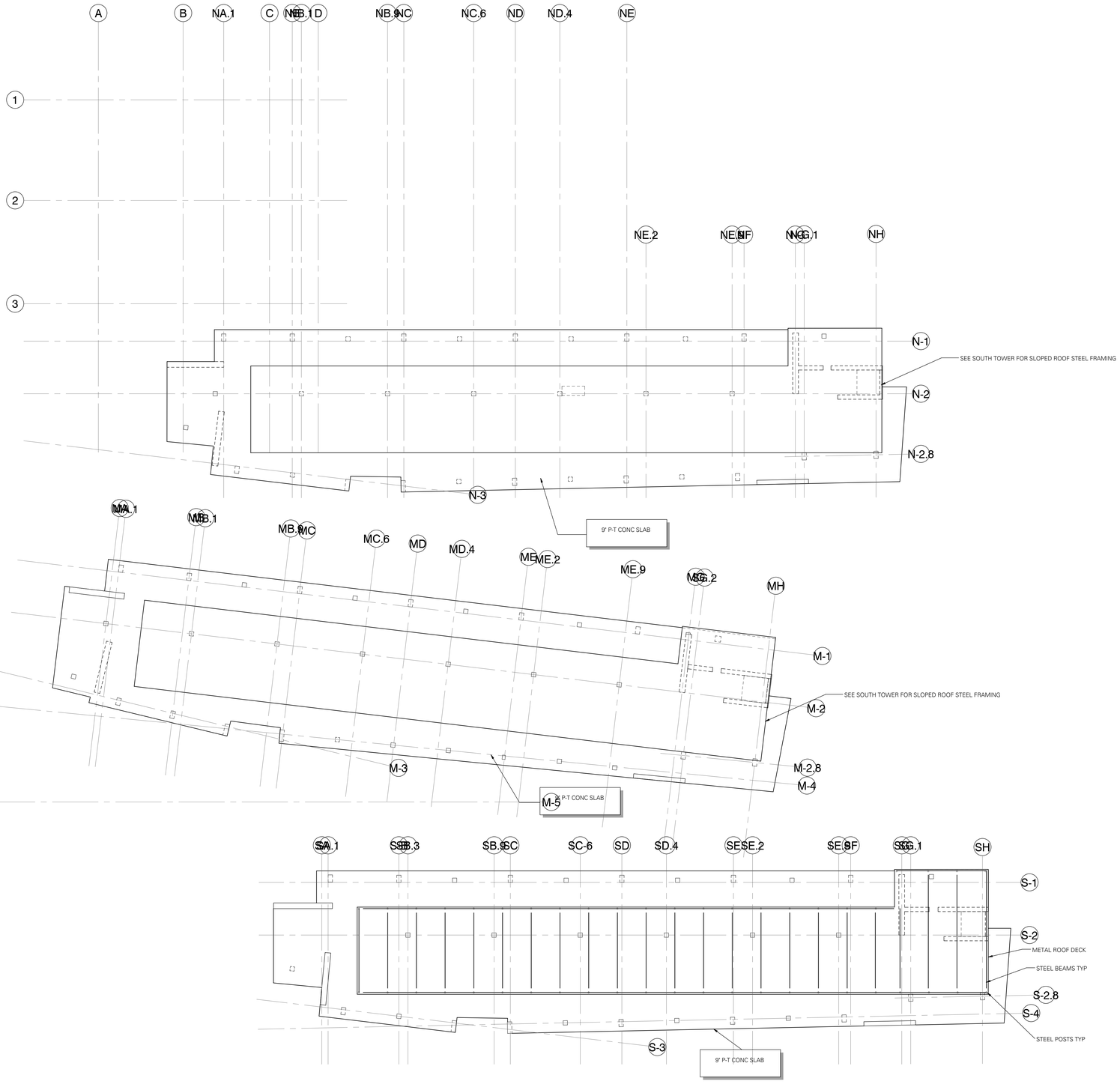
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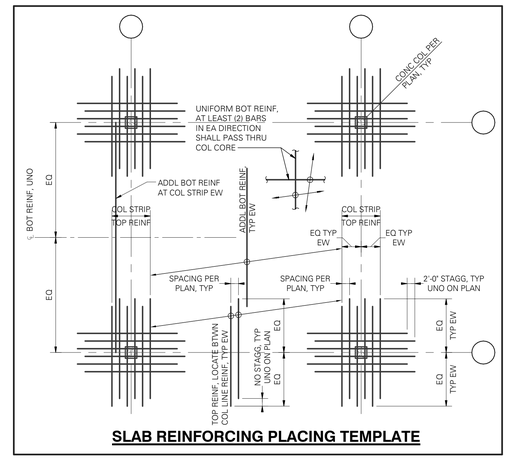
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ROOF LEVEL
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SLAB REINFORCING PLACING TEMPLATE

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PROJECT TEAM MEMBERS

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ARCHITECT SEAL

TITLE
ROOF LEVEL FLOOR PLAN

PROJECT NO.
14051-0020
DATE
5-30-2014

SHEET NUMBER
S2.07
Project Status
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ORIGINAL SHEET SIZE: 36" x 42"

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ROOF LEVEL POST-TENSIONED PLAN

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

N

POST-TENSIONED FRAMING PLAN NOTES:

1. STRUCTURAL GENERAL NOTES, DESIGN CRITERIA, ABBREVIATIONS AND LEGEND PER S1.01, S1.02, S1.03 AND S1.04.

2. VERIFY ALL DIMENSIONS AND ELEVATIONS WITH THE ARCHITECTURAL DRAWINGS.

3. MILD REINFORCING BAR LAYOUT SHALL BE PER MILD REINFORCING PLAN.

4. WALL DIMENSIONS, SLAB OPENING DIMENSIONS AND SECTION CUTS SHALL BE PER MILD REINFORCING PLAN.

5. CONTRACTOR IS RESPONSIBLE FOR THE DESIGN AND STAGING OF ALL SHORING AND RESHORING. SHORING PLACED BENEATH SLAB CLOSURE POURS SHALL NOT BE REMOVED UNTIL CLOSURE POUR CONCRETE HAS REACHED SPECIFIED STRENGTH.

6. DO NOT INSTALL DRILL-IN ADHESIVE AND EXPANSION ANCHORS IN THE POST-TENSIONED SLAB. DRILLING INTO POST-TENSIONED SLAB WITHOUT APPROVAL FROM THE STRUCTURAL ENGINEER OF RECORD IS NOT PERMITTED. ALL BUILDING SYSTEMS: MECHANICAL, ELECTRICAL, PLUMBING, FIRE PROTECTION SHALL PLACE DUCTS, CHASES, PIPES OR PIPE SUPPORTS, CONDUIT SLEEVES AND HANGER INSERTS, ETC INTO THE POST-TENSIONED SLAB PRIOR TO POURING THE CONCRETE.

7. ADDITIONAL SHAFTS MAY BE LOCATED AFTER THE SLAB IS POURED IF APPROVED BY THE STRUCTURAL ENGINEER OF RECORD AND COORDINATED WITH THE GENERAL CONTRACTOR.

8. TENDONS STRESSING SEQUENCE PER GENERAL NOTES. STRESS A MINIMUM OF (2) TENDONS AT SLAB EDGES PERPENDICULAR TO THE BANDED TENDON ENDS BEFORE BANDED TENDONS ARE STRESSED.

9. HORIZONTAL SWEEP OF THE TENDONS SHALL NOT BE GREATER THEN 1:6. TENDONS WITH HORIZONTAL SWEEP GREATER THAN 1:6 SHALL BE REVIEWED BY THE ENGINEER-OF-RECORD FOR TENDON SPACING AND ADDITIONAL REINFORCING REQUIREMENTS PRIOR TO PLACING CONCRETE.

10. TYPICAL DETAILS PER:

S3.01	FOUNDATION
S4.01	COLUMNS
S4.02	SHEAR WALLS
S5.01-S5.03	CONCRETE

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PREPARED FOR
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Design & Construction Services
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UCI PROJECT NO.
996296

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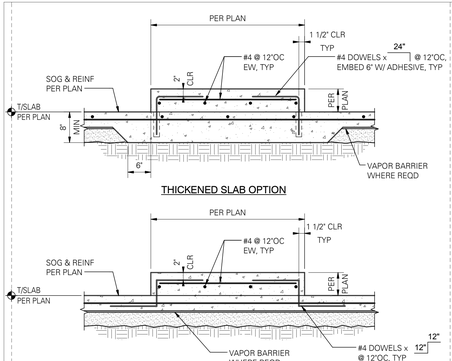
SHEET NUMBER
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Project Status

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ORIGINAL SHEET SIZE 30" x 42"

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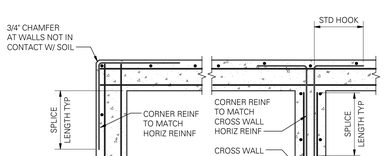


NOTE TO ENGINEER

1. HEAVY EQUIPMENT PAD MAY REQUIRE THICKENED SLAB ON GRADE AND ADDITIONAL REINFORCING. CONFIRM LOADS AND SIZES FROM MECH EQUIPMENT ARE ACCURATELY TOP.
2. VERIFY REINFORCING AS MINIMUM.

1 CONCRETE PAD ON SLAB ON GRADE

SCALE: 3/4" = 1'-0" (03205)

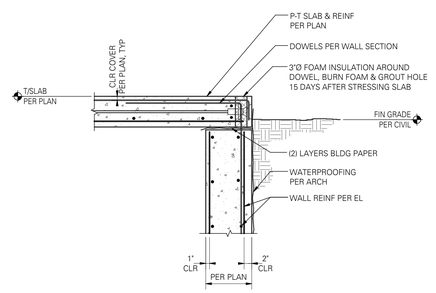


NOTES :

1. SPLICE LENGTHS PER LAP SPLICE AND DEVELOPMENT LENGTH SCHEDULE.
2. WALL REINFORCING PER PLAN OR ELEVATIONS, SECTIONS AND DETAILS.
3. AT FOOTINGS AND STEMWALLS, CORNER REINFORCING TO MATCH FOOTING AND STEMWALL HORIZONTAL REINFORCING.

2 PLAN - TYPICAL CORNER REINFOCING AT CONCRETE WALLS

SCALE: 3/4" = 1'-0" (03403 (DOUBLE MAT))

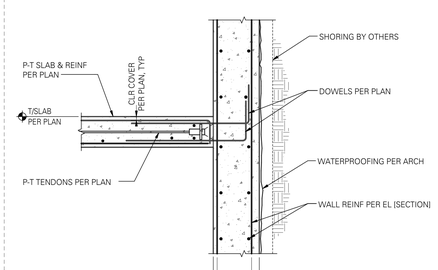


NOTES :

1. ADDITIONAL POST-TENSIONED ANCHORAGE INFORMATION PER [03306] AND [03307].
2. COORDINATE DOWEL/TENDON PLACEMENT WITH [03302].

3 TYPICAL TEMPORARY RELEASE JOINT

SCALE: 3/4" = 1'-0" (03352)

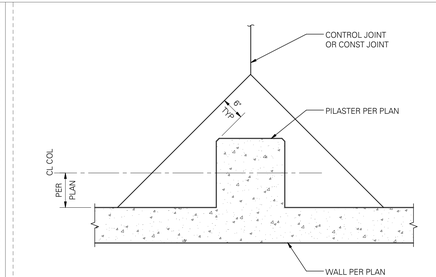


NOTE :

ADDITIONAL POST-TENSIONED ANCHORAGE INFORMATION PER [03306] AND [03307].

4 TYPICAL POST-TENSIONED SLAB AT CONTINUOUS WALL

SCALE: 3/4" = 1'-0" (03353)

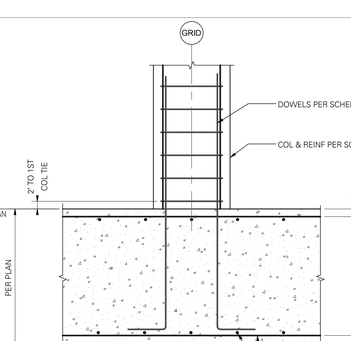


NOTE:

CONTROL JOINT AND INFILL CONCRETE REQUIRED AT ALL PILASTERS NOT LOCATED IN CLOSURE POUR.

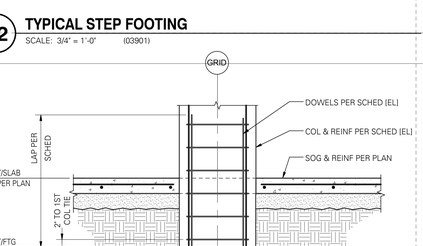
5 PLAN - TYPICAL CONTROL JOINT AT EXTERIOR CONCRETE PILASTER

SCALE: 3/4" = 1'-0" (03215)



6 PLAN - TYPICAL CONTROL JOINT AT CONCRETE COLUMNS

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



NOTE :

1. USE "EARLY ENTRY DRY-CUT SAW" AS SOON AS POSSIBLE WITHOUT CAUSING RAVELING OF CONCRETE EDGES. SAWCUT ALONG SHORT DIRECTION OF POUR FIRST.
2. ALIGN A CONSTRUCTION OR CONTROL JOINT WITH RE-ENTRANT SLAB CORNERS, EACH WAY, TYPICAL.

CONTROL JOINT

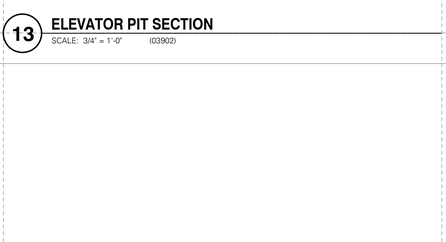
3. CONSTRUCTION/CONTROL JOINT TO ENCLOSE APPROXIMATE SQUARE AREAS 225 SQUARE FEET MAXIMUM, WITH MAXIMUM PANEL ASPECT RATIO OF 1.3 TO 1.0.
4. CONTRACTOR TO SUBMIT CONSTRUCTION/CONTROL JOINT PLAN TO STRUCTURAL ENGINEER OF RECORD FOR REVIEW/APPROVAL.

NOTE TO ENGINEER

1. COORDINATE DOWEL PLATE DOWEL LAY OUT/ACTIONS REQUEST
2. CONSIDER REDUCING SPACING FOR EXPOSED SLABS. CONSULT PROJECT MANAGER OR PRINCIPAL IN CHARGE IF UNSURE OF SPACING TO USE.

7 TYPICAL SLAB ON GRADE JOINT DETAILS WITH REINFORCING

SCALE: 3/4" = 1'-0" (03201)

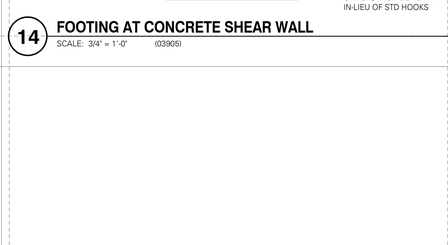


NOTE :

ALUMINUM MATERIALS SHALL NOT BE EMBEDDED IN CONCRETE.

8 PIPE OR CONDUIT EMBEDDED IN SLAB ON GRADE

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

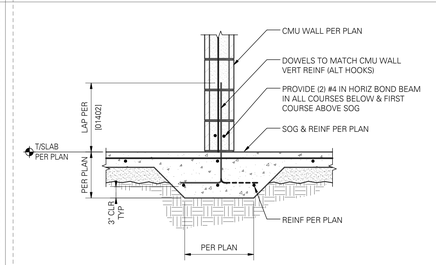


NOTE TO ENGINEER

REFERENCE DETAIL DESIGN FOR STEPS GREATER THAN 1'

9 TYPICAL DEPRESSED SLAB DETAIL

SCALE: 3/4" = 1'-0" (03202)

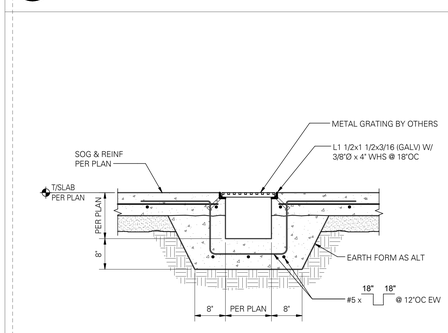


NOTE TO ENGINEER

1. COORDINATE LOCATION OF CMU WALL REINFORCEMENT CALLOUT.
2. LAP SHOWN IS FOR SHEAR ONLY. VERIFY LAP AT MOMENT STEEL VERIFY HOOK LENGTH IN FOOTING.
3. CONSIDER USING ADHESIVE DOWELS TO FACILITATE SLAB FINISHING OPERATIONS.

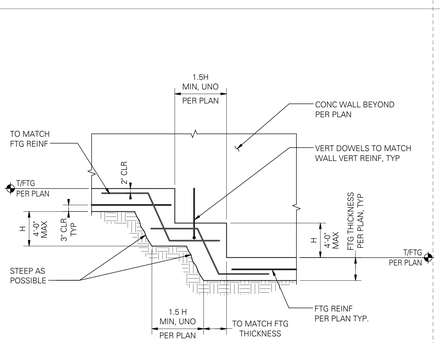
10 INTERIOR THICKENED SLAB FOOTING AT CMU NON-BEARING WALL

SCALE: 3/4" = 1'-0" (03161)



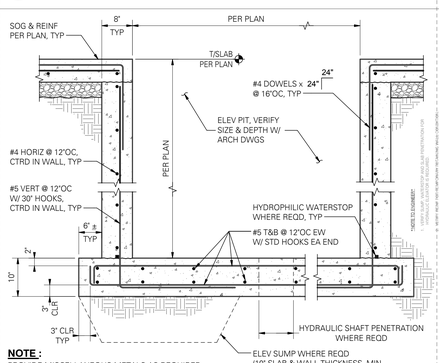
11 SLAB ON GRADE SUMP SECTION

SCALE: 3/4" = 1'-0" (03242)



12 TYPICAL STEP FOOTING

SCALE: 3/4" = 1'-0" (03901)

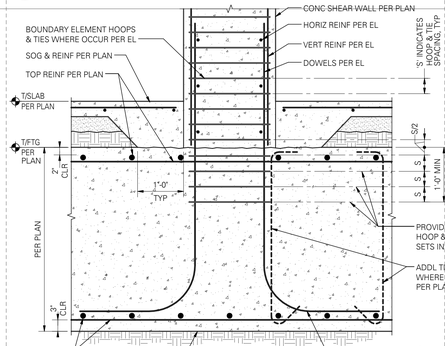


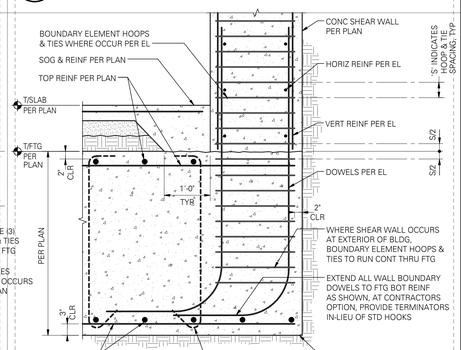
NOTE :

PROVIDE MISCELLANEOUS METALS AS REQUIRED BY ELEVATOR MANUFACTURER.

13 ELEVATOR PIT SECTION

SCALE: 3/4" = 1'-0" (03902)





14 FOOTING AT CONCRETE SHEAR WALL

SCALE: 3/4" = 1'-0" (03905)

15 MAT FOOTING AT CONCRETE COLUMN

SCALE: 3/4" = 1'-0" (03002)

16 INTERIOR SPREAD FOOTING AT CONCRETE COLUMN (BELOW GRADE)

SCALE: 3/4" = 1'-0" (03001)

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University of California, Irvine

Design & Construction Services
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Irvine, CA 92697

UCI PROJECT NO.
996296

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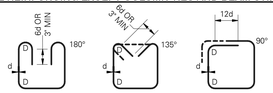
SHEET NUMBER
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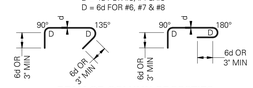


ALL REINFORCING EXCEPT COLUMN TIES AND BEAM STIRRUPS



STIRRUP **STIRRUP OR TIE**

D = 4d FOR #3, #4 & #5
D = 6d FOR #6, #7 & #8



BEAM OR COLUMN CROSSTIES

BEAM STIRRUPS AND COLUMN TIES

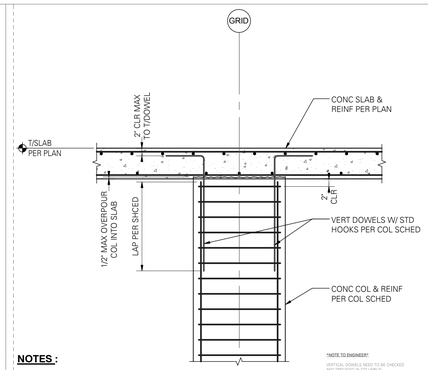
d = BAR DIAMETER D = BEND DIAMETER

NOTE :

TIES AND CROSSTIES FOR SHEAR WALL
BOUNDARY ELEMENTS SHALL BE
DETAILED AS COLUMN TIES/CROSSTIES.

1 STANDARD HOOKS AND BENDS - BEAM STIRRUPS AND COLUMN TIES

SCALE: 3/4" = 1'-0" (03400)

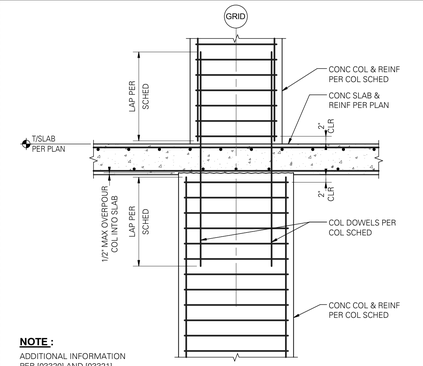


NOTES :

ADDITIONAL INFORMATION
PER (03320) AND (03321).

2 TYPICAL SECTION AT TOP OF CONCRETE COLUMN

SCALE: 3/4" = 1'-0" (03324)

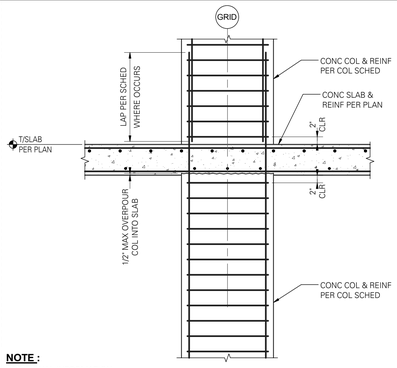


NOTE :

ADDITIONAL INFORMATION
PER (03320) AND (03321).

3 TYPICAL SECTION AT CONCRETE COLUMN SPLICE - COLUMN SIZE CHANGE

SCALE: 3/4" = 1'-0" (03324E)

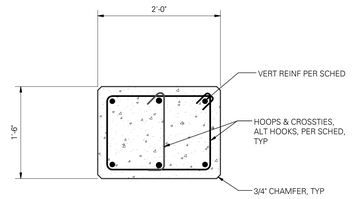


NOTE :

ADDITIONAL INFORMATION
PER (03320) AND (03321).

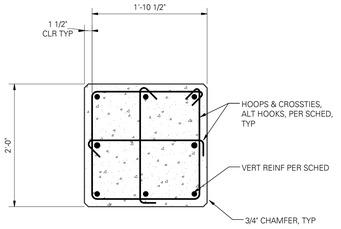
4 TYPICAL SECTION AT CONCRETE COLUMN

SCALE: 3/4" = 1'-0" (03324A)



5 18"x24" CONCRETE COLUMN SECTION

SCALE: 1" = 1'-0" (03606)



6 24" SQUARE CONCRETE COLUMN SECTION

SCALE: 1" = 1'-0" (03604)

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TITLE
COLUMN DETAILS

PROJECT NO.
14051-0020
DATE
5-30-2014

SHEET NUMBER
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Project Status

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ORIGINAL SHEET SIZE 30" x 42"

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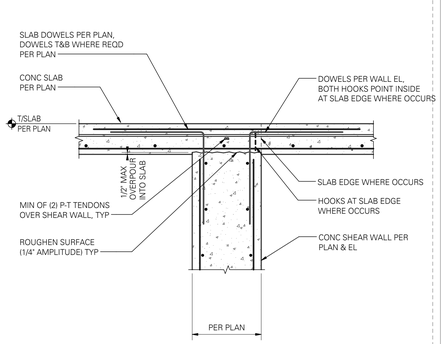
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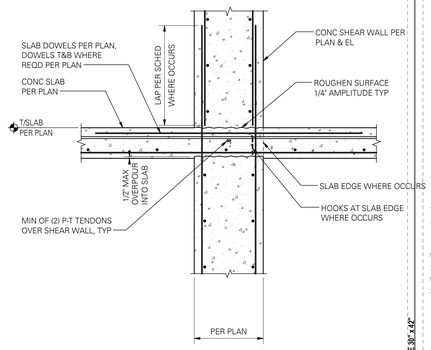
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19 TYPICAL SLAB CONNECTION AT TOP OF SHEAR WALL
SCALE: 3/4" = 1'-0" (03326)



20 TYPICAL SLAB CONNECTION AT SHEAR WALL
SCALE: 3/4" = 1'-0" (03325)

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ORIGINAL SHEET SIZE 30" x 42"

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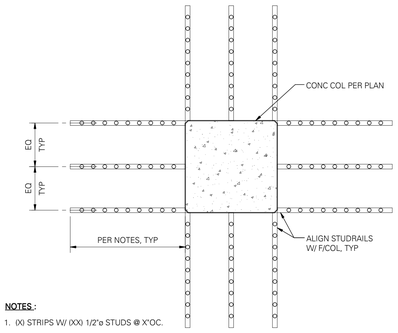
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SHEAR WALL DETAILS

PROJECT NO.
14051-0020
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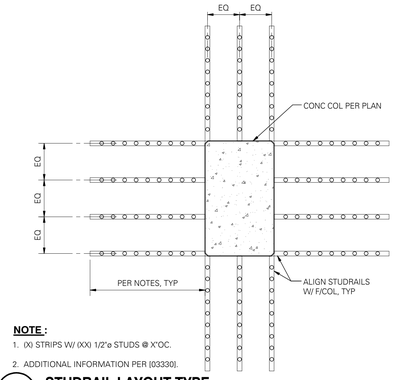


NOTES :

1. (X) STRIPS W/ (XX) 1/2"ø STUDS @ X"OC.
2. ADDITIONAL INFORMATION PER [03330].

16 STUDRAIL LAYOUT - TYPE

SCALE: 3/4" = 1'-0" (03333)

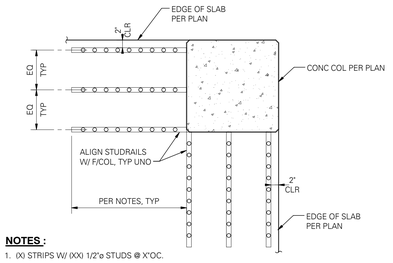


NOTE :

1. (X) STRIPS W/ (XX) 1/2"ø STUDS @ X"OC.
2. ADDITIONAL INFORMATION PER [03330].

17 STUDRAIL LAYOUT TYPE

SCALE: 3/4" = 1'-0" (03332)

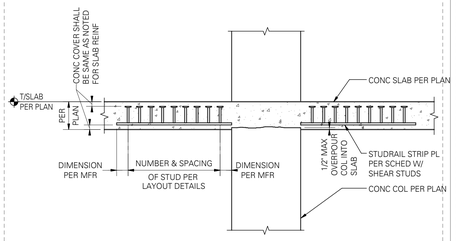


NOTES :

1. (X) STRIPS W/ (XX) 1/2"ø STUDS @ X"OC.
2. ADDITIONAL INFORMATION PER [03330].

18 STUDRAIL LAYOUT - TYPE

SCALE: 3/4" = 1'-0" (03331)



STUDRAIL NOTES :

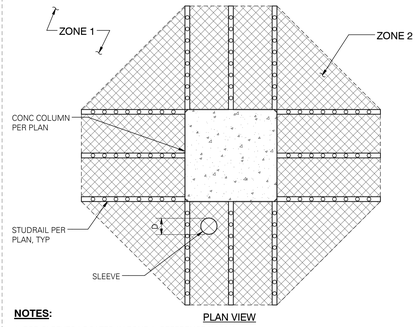
1. STUDRAIL HEIGHT IS DETERMINED BY THE THICKNESS OF THE SLAB. HEIGHT MAY NEED TO BE ADJUSTED WHERE SLABS STEP OF SLOPE.
2. STUDRAIL AT COLUMN CORNERS SHALL BE ALIGNED WITH THE FACE OF COLUMN. INTERMEDIATE STUDRAILS SHALL BE EQUALLY SPACED.
3. STUDRAIL SHEAR REINFORCEMENT SHOWN IN THESE DETAILS SHALL BE STUDRAILS AS MANFACTURED BY "DECON".

STUDRAIL STRIP PLATE SIZE SCHEDULE

STUD DIA	"t"	WIDTH
1/2"	1/4"	1 1/4"
5/8"	5/16"	1 3/4 "
3/4"	3/8"	2"

19 TYPICAL STUDRAIL SECTION

SCALE: 3/4" = 1'-0" (03330)



PLAN VIEW

NOTES:

1. FOR SLEEVES LOCATED IN ZONE 1, REFERENCE [03221].
2. (1) SLEEVE WITH A 'D' ≤ 6" IS ALLOWED IN ZONE 2. (1) SLEEVE TOTAL AT CONCLUSION.
3. SLEEVES NOT MEETING THE ABOVE CRITERIA SHALL BE SUBMITTED TO STRUCTURAL ENGINEER OF RECORD FOR APPROVAL.

"NOTE TO ENGINEER:"
THIS DETAIL SHALL NOT BE INCLUDED IN CONSTRUCTION DOCUMENTS UNLESS SHEAR ANALYSIS IS INCLUDED IN PLANS.

20 PLAN - SLEEVES THRU CONCRETE SLAB AT COLUMN

SCALE: 3/4" = 1'-0" (03223)

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ORIGINAL SHEET SIZE 30" x 42"

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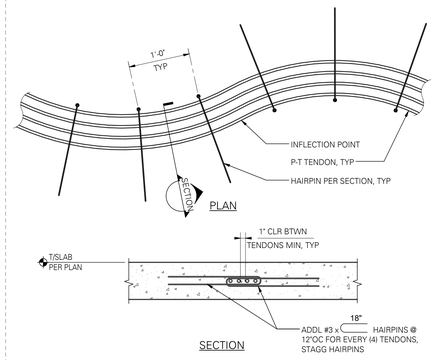
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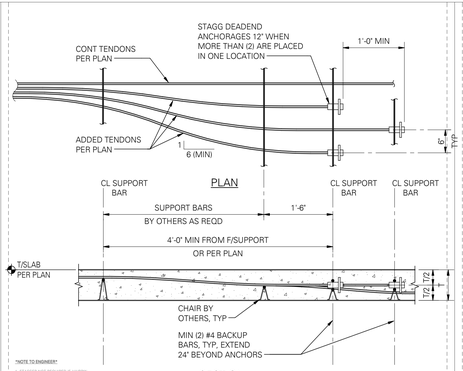
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NOTE TO ENGINEER:
SPREAD BANDED TENDONS OUT AS MUCH AS POSSIBLE TO AVOID HAVING POST-TENSIONED TENDONS WITH SWEEP GREATER THAN 1:6

1 POST-TENSIONED TENDONS WITH SWEEP GREATER THAN 1:6

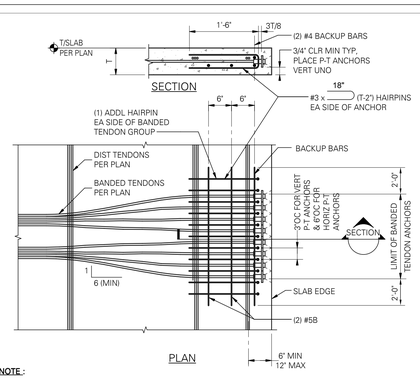
SCALE: 1" = 1'-0" (03311)



NOTE TO ENGINEER:
1. STAGGER NOT REQUIRED IF HAIRPIN ANCHORAGE IS USED.
2. USE AT ENDS ONLY WHERE DETAIL OCCURS.

2 ANCHORAGE AT ENDS OF ADDED TENDONS

SCALE: 3/4" = 1'-0" (03308)

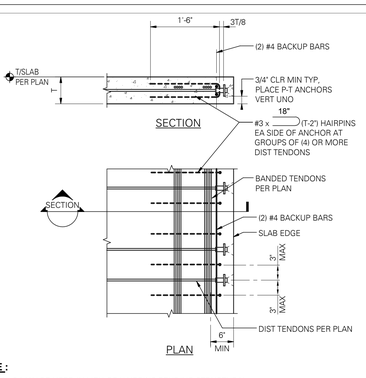


NOTE :

STUDRAILS MAY BE USED IN LIEU OF HAIRPINS PENDING STRUCTURAL ENGINEER OF RECORD APPROVAL.

3 ANCHORAGE AT ENDS OF BANDED TENDONS

SCALE: 3/4" = 1'-0" (03307)

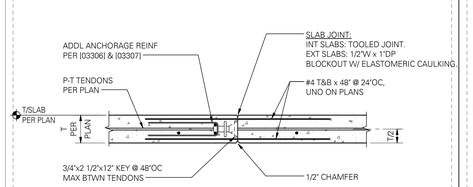


NOTE :

STUDRAILS MAY BE USED IN LIEU OF HAIRPINS PENDING STRUCTURAL ENGINEER OF RECORD APPROVAL.

4 ANCHORAGE AT ENDS OF DISTRIBUTED TENDONS

SCALE: 3/4" = 1'-0" (03306)



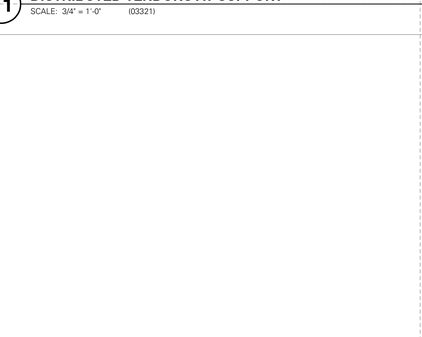
NOTES :

1.ENGINEER SHALL APPROVE THE USE AND LOCATION OF ALL POST-TENSIONED SLAB CONSTRUCTION JOINTS.

2.WHERE 1"DP BLOCKOUT OCCURS AT EXTERIOR SLABS, MAINTAIN CLEAR COVER PER PLAN.

5 TYPICAL POST-TENSIONED SLAB CONSTRUCTION JOINT

SCALE: 3/4" = 1'-0" (03305)

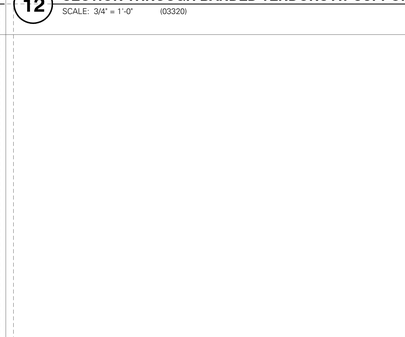


NOTE :

WHERE 1"DP BLOCKOUT OCCURS AT EXTERIOR SLABS, MAINTAIN CLEAR COVER PER PLAN.

6 SECTION AT CLOSURE POUR

SCALE: 3/4" = 1'-0" (03305A)



NOTES:

1. ADDITIONAL INFORMATION PER (03306 AND 03307).

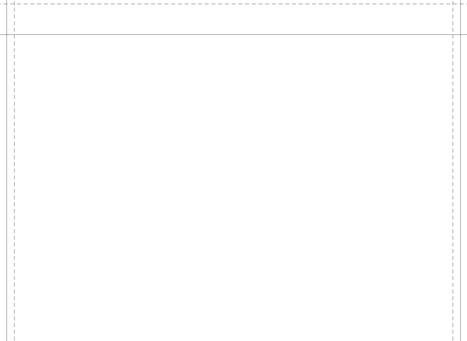
2. REINFORCING AT POST-TENSIONING ANCHORS NOT SHOWN FOR CLARITY.

3. IF EDGE DISTANCE CAN NOT BE MET, CONTACT STRUCTURAL ENGINEER OF RECORD.

NOTE TO ENGINEER
1. REQUIRED EDGE REINFORCEMENT SHOULD BE CALCULATED AT SLAB EDGES AND RE-ENTRANT CORNERS.
2. IF EDGE DISTANCES CAN NOT BE MET, CONSIDER SURFACE STEEL AT CORNER INVERTED PERPENDICULAR TO TENDONS.

7 PLAN - TYPICAL POST-TENSIONING AT EXTERIOR SLAB EDGE CORNERS

SCALE: 3/4" = 1'-0" (03304A)



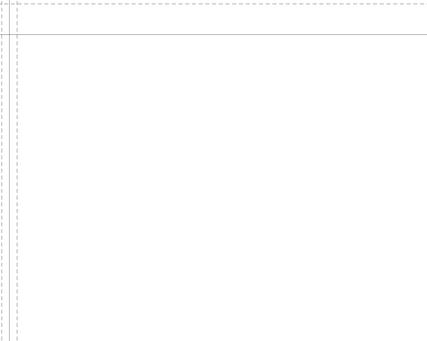
8 TYPICAL POST-TENSIONED SLAB PROFILE

SCALE: 3/4" = 1'-0" (03303)

NOTE TO ENGINEER
1.COORDINATE WALL DOWEL LOCATIONS WITH "CONTINUITY RELEASE JOINT DETAIL" ON S0003. SHIFT WALL DOWELS AWAY FROM BANDED TENDONS.
2.PROVIDE TRIM REINF PER S0001.

9 SLAB PENETRATIONS AT POST-TENSIONED ANCHORS

SCALE: 3/4" = 1'-0" (03302)



NOTES :

1. ALL OPENINGS WITH A DIMENSION OF 12" OR GREATER SHALL BE TRIMMED WITH REINFORCING.

2. REINFORCING IS IN ADDITION TO ANY REINFORCING INDICATED ON PLANS.

3. WHERE AN ADJACENT OPENING IS CLOSER THAN THE SMALLER OPENING DIMENSION, EXTEND TRIM REINFORCING TO 24" MINIMUM PAST ADJACENT OPENINGS.

4. HOOK REINFORCING AT SLAB EDGE AS REQUIRED.

NOTE TO ENGINEER
CHECK REINFORCING REQUIREMENTS WHEN OPENING IS LARGER THAN 4'-0".

10 TYPICAL POST-TENSIONED LAYOUT AT SLAB OPENING

SCALE: 3/4" = 1'-0" (03301)

NOTES :

1. ALTERNATE TENDON AND REINFORCING GROUPS.

2. QUANTITY AND LENGTH OF REINFORCING PER PLAN.

3. REINFORCING STAGGER PER (03309).

4. MINIMUM OF (2) TENDONS SHALL BE PLACED DIRECTLY OVER COLUMNS IN BOTH DIRECTIONS, UNO.

NOTE TO ENGINEER
VERIFY COVER REQUIRED FOR FIRE RATING. IE 2 HR SLABS REQUIRE 1" COVER FOR MILD REINFORCING BOTTOM (SOME JURISDICTIONS REQUIRE THIS FOR TOP REINFORCING)

11 SECTION THROUGH DISTRIBUTED TENDONS AT SUPPORT

SCALE: 3/4" = 1'-0" (03321)

NOTES :

1. ALTERNATE TENDON AND REINFORCING GROUPS.

2. QUANTITY AND LENGTH OF REINFORCING PER PLAN.

3. REINFORCING STAGGER PER (03309).

4. MINIMUM OF (2) TENDONS SHALL BE PLACED DIRECTLY OVER COLUMNS IN BOTH DIRECTIONS, UNO.

NOTE TO ENGINEER
VERIFY COVER REQUIRED FOR FIRE RATING. IE 2 HR SLABS REQUIRE 1" COVER FOR MILD REINFORCING BOTTOM (SOME JURISDICTIONS REQUIRE THIS FOR TOP REINFORCING)

12 SECTION THROUGH BANDED TENDONS AT SUPPORT

SCALE: 3/4" = 1'-0" (03320)

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UCI PROJECT NO.
996296

KEYMAP

NO.	DATE	REVISION

PROJECT DIRECTOR

PROJECT MANAGER

PROJECT ARCHITECT

PROJECT TEAM MEMBERS

CHECK:

ARCHITECT SEAL

TITLE
CONCRETE DETAILS

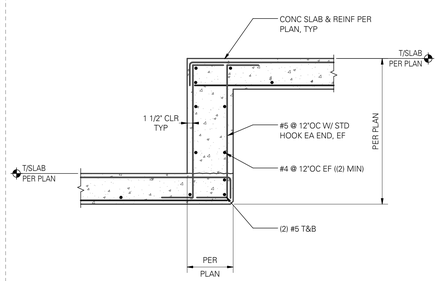
PROJECT NO.
14051-0020
DATE
5-30-2014

SHEET NUMBER
S5.02
Project Status

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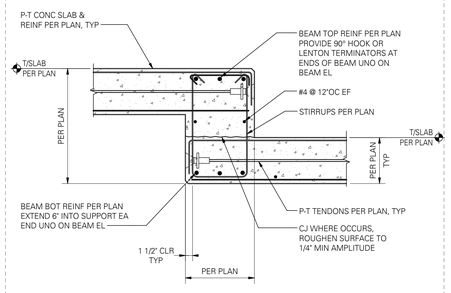
ORIGINAL SHEET SIZE 30" x 42"

NOT FOR CONSTRUCTION



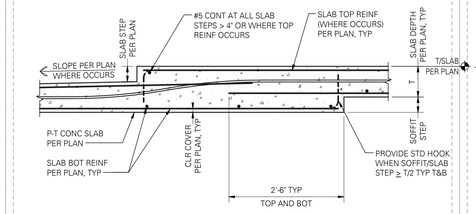
1 TYPICAL STEPPED SLAB SECTION

SCALE: 3/4" = 1'-0" (03362)



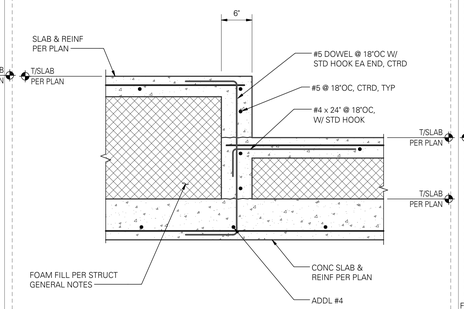
2 TYPICAL BEAM SECTION AT SLAB STEP

SCALE: 3/4" = 1'-0" (03361)



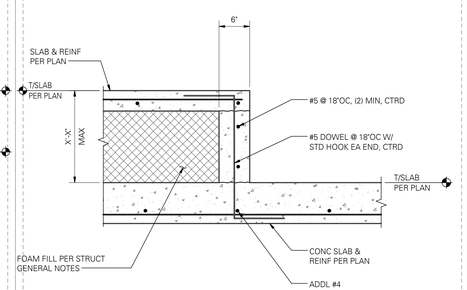
3 SLAB AND SOFFIT STEP DETAIL

SCALE: 3/4" = 1'-0" (03360)



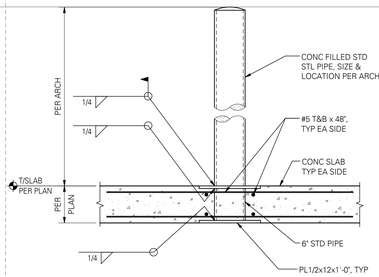
4 TYPICAL OVER-FRAMING SLAB STEP

SCALE: 1" = 1'-0" (03344)



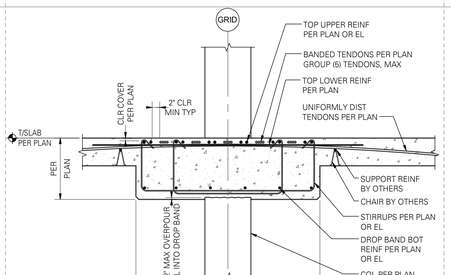
5 TYPICAL OVER-FRAMING

SCALE: 1" = 1'-0" (03341)



6 TYPICAL BOLLARD TO ELEVATED POST-TENSIONED SLAB CONNECTION

SCALE: 1" = 1'-0" (03340)



NOTES :

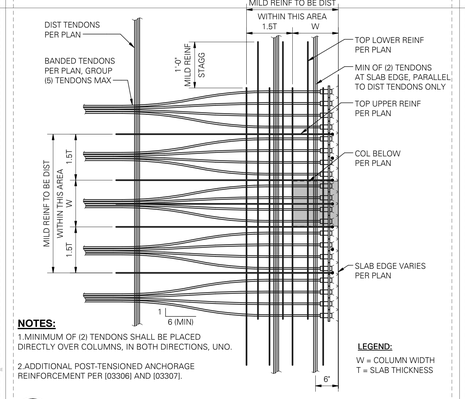
1. ALTERNATE TENDON AND REINFORCING GROUPS.
2. QUANTITY AND LENGTH OF REINFORCING PER PLAN.
3. REINFORCING STAGGER PER [03309].
4. MINIMUM OF (2) TENDONS SHALL BE PLACED DIRECTLY OVER COLUMNS IN BOTH DIRECTIONS, UNO.

NOTES TO ENGINEER:

1. VERIFY COVER REQUIRED FOR FIRE RATING. IE 2-HR SLABS REQUIRE 1" MIN COVER. CONSULT WITH LOCAL BUILDING AUTHORITY HOW CODE JURISDICTION 2 REQUIRE THIS FOR TOP REINFORCING.
2. DELETE INTERIOR TIE IF NOT REQUIRED.

7 TYPICAL SLAB/DROP BAND SECTION AT COLUMN

SCALE: 3/4" = 1'-0" (03323)



NOTES:

1.MINIMUM OF (2) TENDONS SHALL BE PLACED DIRECTLY OVER COLUMNS, IN BOTH DIRECTIONS, UNO.

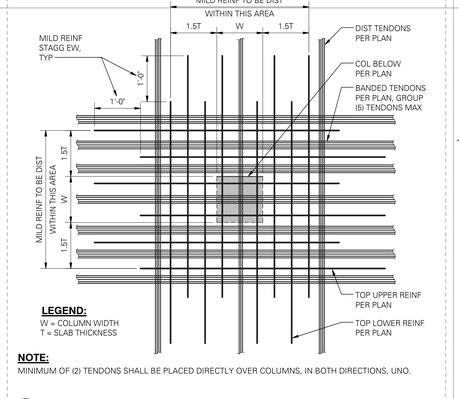
2.ADDITIONAL POST-TENSIONED ANCHORAGE REINFORCEMENT PER [03306] AND [03307].

LEGEND:

W = COLUMN WIDTH
T = SLAB THICKNESS

8 REINFORCING AT EXTERIOR COLUMN

SCALE: 3/4" = 1'-0" (03310)



NOTE:

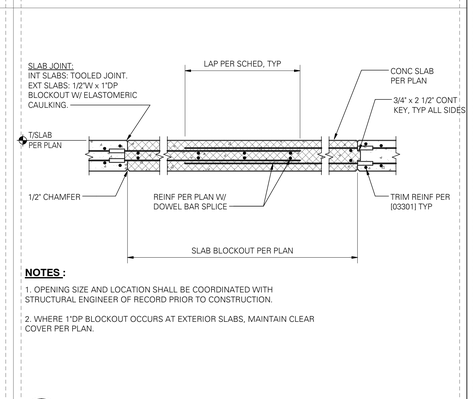
MINIMUM OF (2) TENDONS SHALL BE PLACED DIRECTLY OVER COLUMNS, IN BOTH DIRECTIONS, UNO.

LEGEND:

W = COLUMN WIDTH
T = SLAB THICKNESS

9 REINFORCING AT INTERIOR COLUMN

SCALE: 3/4" = 1'-0" (03309)

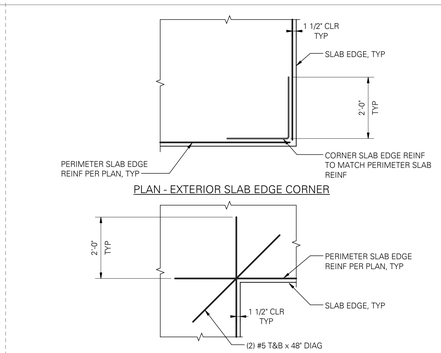


NOTES :

1. OPENING SIZE AND LOCATION SHALL BE COORDINATED WITH STRUCTURAL ENGINEER OF RECORD PRIOR TO CONSTRUCTION.
2. WHERE 1"DP BLOCKOUT OCCURS AT EXTERIOR SLABS, MAINTAIN CLEAR COVER PER PLAN.

10 SECTION AT CRANE/PLACING BOOM BLOCKOUT

SCALE: 3/4" = 1'-0" (03305B)



NOTE :

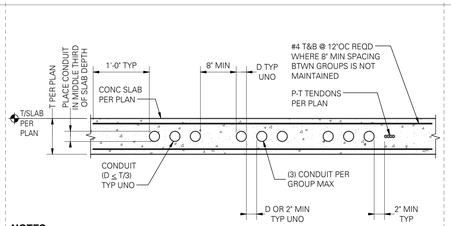
POST-TENSIONING ANCHORAGE AT SLAB CORNERS PER [03304A]

NOTE TO ENGINEER:

REQUIRED OVERD REINFORCEMENT SHOULD BE CALCULATED AT SLAB EDGES AND RE-ENTRANT CORNERS.

11 PLAN - TYPICAL REINFORCING AT SLAB EDGE CORNERS

SCALE: 1/2" = 1'-0" (03304)

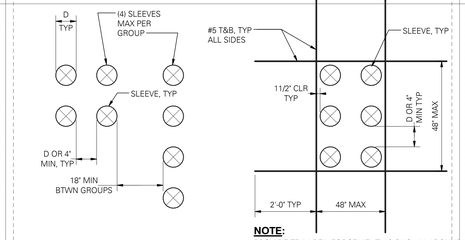


NOTES :

1. ALUMINUM MATERIALS SHALL NOT BE EMBEDDED IN CONCRETE.
2. CONTRACTOR SHALL SUBMIT SHOP DRAWINGS WHICH INDICATE THE PLACEMENT OF CONDUIT IN SLAB.
3. DO NOT PLACE CONDUIT WITHIN 48" OF COLUMN FACE OR SLAB EDGE.
4. CONDUIT SHALL NOT TOUCH P-T TENDONS. PROVIDE CHAIRS TO SUPPORT CONDUIT.
5. CONDUIT PLACEMENT NOT MEETING ABOVE CRITERIA MAY REQUIRE ADDITIONAL REINFORCING AND/OR SLAB THICKENING.

12 SLEEVES THRU CONCRETE SLAB

SCALE: 1" = 1'-0" (03222)



NOTE:

PROVIDE TRIM REINFORCEMENT PER (03220) OR (03301) WHERE MINIMUM SPACING IS NOT MET.

PLAN - NO ADDITIONAL REINFORCEMENT

NOTE:

PROVIDE TRIM REINFORCEMENT AS SHOWN AROUND GROUPS OF (5) OR MORE SLEEVES. PROVIDE TRIM REINFORCEMENT PER (03220) OR (03301) WHERE MINIMUM SPACING IS NOT MET.

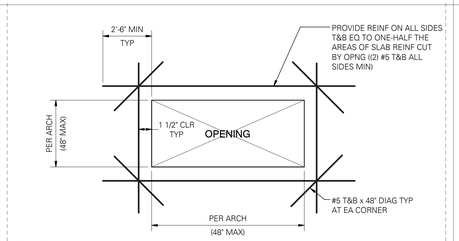
PLAN - ADDITIONAL REINFORCEMENT

NOTES:

1. ALUMINUM MATERIALS SHALL NOT BE EMBEDDED IN CONCRETE.
2. SLEEVES SHALL NOT BE LOCATED WITHIN 48" OF COLUMNS WITHOUT ENGINEER'S APPROVAL.
3. SLEEVES SHALL NOT INTERRUPT TYPICAL REINFORCEMENT INDICATED ON PLAN.
4. PROVIDE 2" MINIMUM CLEARANCE BETWEEN ALL POST-TENSIONING TENDONS.

13 PLANS - SLEEVES THRU CONCRETE SLAB

SCALE: 1/2" = 1'-0"

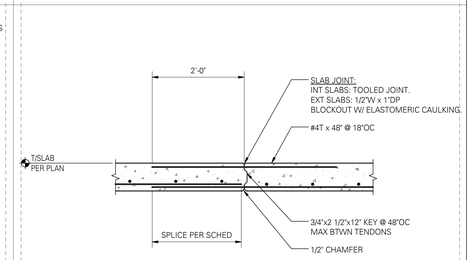


NOTES :

1. ALL OPENINGS WITH A DIMENSION OF 12" OR GREATER SHALL BE TRIMMED WITH REINFORCING.
2. REINFORCING IS IN ADDITION TO ANY REINFORCING INDICATED ON PLANS.
3. WHERE AN ADJACENT OPENING IS CLOSER THAN THE SMALLER OPENING DIMENSION, EXTEND TRIM REINFORCING TO 24" MINIMUM PAST ADJACENT OPENINGS.
4. HOOK REINFORCING AT SLAB EDGE AS REQUIRED.

14 PLAN - TYPICAL SLAB OPENING REINFORCING AT REINFORCED SLAB

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



NOTES :

1.ENGINEER SHALL APPROVE THE USE AND LOCATION OF ALL SLAB CONSTRUCTION JOINTS.

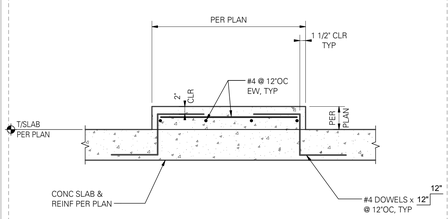
2. WHERE 1"DP BLOCKOUT OCCURS AT EXTERIOR SLABS, MAINTAIN CLEAR COVER PER PLAN.

NOTE TO ENGINEER:

VERIFY SHEAR FRICTION REQUIREMENTS.

15 TYPICAL REINFORCED CONCRETE SLAB CONSTRUCTION JOINT

SCALE: 3/4" = 1'-0" (03216)



NOTE TO ENGINEER:

1. VERIFY MINIMUM REINFORCING IN SLAB.
2. CONSIDER PLACING RIGID FOAM INSULATION BOARD UNDER SLAB TO REDUCE HEAT LOSS AT SLAB AT ROOFS SO HIGH ROOFING REQUIRMENTS.
3. VERIFY CONNECTION CAN ACCOMODATE LATERAL FORCES FROM ANY MECH EQUIPMENT ATTACHED TO SLAB.

16 CONCRETE PAD ON ELEVATED CONCRETE SLAB

SCALE: 3/4" = 1'-0" (03206)

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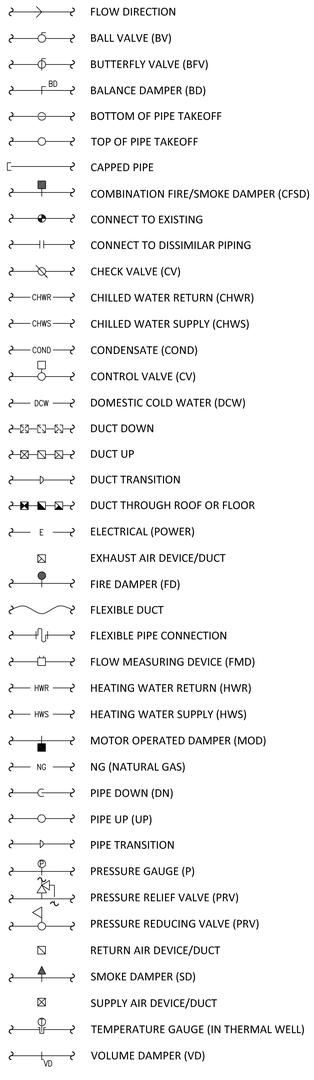
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MECHANICAL SYMBOLS & ABBREVIATIONS

ACT	ACTUAL
AF	AIR FILTER
AF	AIR FOIL (FAN BLADE)
AFF	ABOVE FINISHED FLOOR
AHJ	AUTHORITY HAVING JURISDICTION
AHU	AIR HANDLING UNIT
AMB	AMBIENT
AP	ACCESS PANEL
APD	AIR PRESSURE DROP
AS	AIR SEPARATOR
AV	AIR VENT
B	BOILER
B	BELT DRIVE (FAN)
BD	BALANCING DAMPER
BDD	BACKDRAFT DAMPER
BI	BACKWARD INCLINED (FAN BLADE)
BHP	BRAKE HORSEPOWER
BMS	BUILDING MANAGEMENT SYSTEM
BOF	BOTTOM OF FOOTING
BOD	BOTTOM OF DUCT
BOP	BOTTOM OF PIPE
BTU	BRITISH THERMAL UNIT
BTUH	BRITISH THERMAL UNIT PER HOUR
BFV	BUTTERFLY VALVE
BV	BALL VALVE
C	CENTRIFUGAL
CAV	CONSTANT AIR VOLUME
CC	COOLING COIL
CFMD	COOLING FLOW MEASURING DEVICE
CFH	CUBIC FEET PER HOUR
CFM	CUBIC FEET PER MINUTE
CFSD	COMBINATION FIRE/SMOKE DAMPER
CHWP	CHILLED WATER PUMP
CHWR	CHILLED WATER RETURN
CHWS	CHILLED WATER SUPPLY
COND	CONDENSATE
CV	CONTROL VALVE
CV	CHECK VALVE
D	DEEP (DEPTH)
D	DIRECT DRIVE (FAN)
DB	DRY BULB (TEMPERATURE)
DCW	DOMESTIC COLD WATER
ELEC	ELECTRICAL (POWER)
EA	EXHAUST AIR
EAT	ENTERING AIR TEMPERATURE
EC	ELECTRICAL CONTRACTOR
EF	EXHAUST FAN
EFF	EFFICIENCY
EJ	EXPANSION JOINT
ESP	EXTERNAL STATIC PRESSURE
ET	EXPANSION TANK
EWT	ENTERING WATER TEMPERATURE
EXH	EXHAUST
F	FAHRENHEIT (TEMPERATURE)
FA	FACE AREA
FC	FLEX. CONNECTION (CONNECTOR)
FC	FORWARD CURVED (FAN BLADE)
FD	FIRE DAMPER
FHD	FEET OF HEAD
FLA	FULL LOAD AMPS
FMD	FLOW MEASURING DEVICE
FOR	FUEL OIL RETURN
FOS	FUEL OIL SUPPLY
FPM	FEET PER MINUTE
FPS	FEET PER SECOND
FT	FOOT (FEET)
FV	FACE VELOCITY
FW	FIRE WATER
G	GAS (NATURAL)
GA	GAUGE
GC	GENERAL CONTRACTOR
GPH	GALLONS PER HOUR
GPM	GALLONS PER MINUTE
H	HEIGHT
HC	HEATING COIL
HFMD	HEATING FLOW MEASURING DEVICE
HP	HORSEPOWER
HWP	HEATING WATER PUMP
HWR	HEATING WATER RETURN
HWS	HEATING WATER SUPPLY
IL	INLINE
IN	INCH
INV	INVERT (ELEVATION)
KW	KILOWATTS
KWH	KILOWATTS PER HOUR
L	LENGTH
LAT	LEAVING AIR TEMPERATURE
LBS	POUNDS
LWT	LEAVING WATER TEMPERATURE
MAX	MAXIMUM
MERV	MINIMUM EFFICIENCY REPORTING VALUE
MCA	MINIMUM CIRCUIT AMPACITY
MFS	MAXIMUM FUSE SIZE
MOCP	MAXIMUM OVER-CURRENT PROTECTION (AMPS)
MC	MECHANICAL CONTRACTOR
MCC	MOTOR CONTROL CENTER
MIN	MINIMUM
MOD	MOTOR OPREATED DAMPER
NA	NOT APPLICABLE
NIC	NOT IN CONTRACT
NC	NORMALLY CLOSED
NG	NATURAL GAS
NO	NORMALLY OPEN
NTS	NOT TO SCALE
OA	OUTSIDE AIR
P	PRESSURE
PD	PRESSURE DROP
PF	PLENUM FAN (PLUG FAN)
PG	PRESSURE GAUGE
PH	PHASE (ELECTRICAL)
POC	POINT OF CONNECTION
PRV	PRESSURE RELIEF VALVE
PRV	PRESSURE REDUCING VALVE
PSIA	POUNDS PER SQUARE INCH (ABS)
PSIG	POUNDS PER SQUARE INCH (GAUGE)
QTY	QUANTITY
R	ROOF MOUNTED
RA	RETURN AIR
RAF	RETURN AIR FAN
RLA	RUNNING (RATED) LOAD AMPS
RLFA	RELIEF AIR
RPM	REVOUTIONS PER MINUTE
RT	RADIAL TIP (FAN BLADE)
RET	RETURN
SA	SUPPLY AIR
SAF	SUPPLY AIR FAN
SD	SMOKE DAMPER
SDT	SMOKE DETECTOR
SF	SQUARE FEET
SUP	SUPPLY
T	THERMOSTAT
TOF	TOP OF FOOTING
TOD	TOP OF DUCT
TOP	TOP OF PIPE
TSP	TOTAL STATIC PRESSURE
U	UPBLAST
UNO	UNLESS NOTED OTHERWISE
VAV	VARIABLE AIR VOLUME
VD	VOLUME DAMPER
VFD	VARIABLE FREQUENCY DRIVE
W	WALL MOUNTED
W	WIDTH
W	WATER
W	WATTS
WB	WET BULB (TEMPERATURE)
WC	WATER COLUMN (INCHES)
WG	WATER GAUGE
WPD	WATER PRESSURE DROP
W/	WITH
WO/	WITHOUT



FLOW DIRECTION
BALL VALVE (BV)
BUTTERFLY VALVE (BFV)
BALANCE DAMPER (BD)
BOTTOM OF PIPE TAKEOFF
TOP OF PIPE TAKEOFF
CAPPED PIPE
COMBINATION FIRE/SMOKE DAMPER (CFSD)
CONNECT TO EXISTING
CONNECT TO DISSIMILAR PIPING
CHECK VALVE (CV)
CHILLED WATER RETURN (CHWR)
CHILLED WATER SUPPLY (CHWS)
CONDENSATE (COND)
CONTROL VALVE (CV)
DOMESTIC COLD WATER (DCW)
DUCT DOWN
DUCT UP
DUCT TRANSITION
DUCT THROUGH ROOF OR FLOOR
ELECTRICAL (POWER)
EXHAUST AIR DEVICE/DUCT
FIRE DAMPER (FD)
FLEXIBLE DUCT
FLEXIBLE PIPE CONNECTION
FLOW MEASURING DEVICE (FMD)
HEATING WATER RETURN (HWR)
HEATING WATER SUPPLY (HWS)
MOTOR OPERATED DAMPER (MOD)
NG (NATURAL GAS)
PIPE DOWN (DN)
PIPE UP (UP)
PIPE TRANSITION
PRESSURE GAUGE (P)
PRESSURE RELIEF VALVE (PRV)
PRESSURE REDUCING VALVE (PRV)
RETURN AIR DEVICE/DUCT
SMOKE DAMPER (SD)
SUPPLY AIR DEVICE/DUCT
TEMPERATURE GAUGE (IN THERMAL WELL)
VOLUME DAMPER (VD)

MECHANICAL GENERAL NOTES

1. THE CONTRACTOR SHALL VISIT THE SITE INCLUDING ALL AREAS INDICATED ON THE DRAWINGS, TO THOROUGHLY FAMILIARIZE HIMSELF/HERSELF WITH THE EXISTING CONDITIONS. CONTRACTOR SHALL VERIFY SAID CONDITIONS AND DIMENSIONS AT JOB SITE PRIOR TO START OF CONSTRUCTION. PRIOR TO INSPECTION OF THE EXISTING FACILITY, THE CONTRACTOR SHALL RECEIVE PERMISSION FOR ACCESS FROM THE OWNER OR THE DESIGNATED REPRESENTATIVE. IF DISCREPANCIES ARE DISCOVERED, THE ENGINEER SHALL BE NOTIFIED IMMEDIATELY FOR CLARIFICATION. CONTACT THE ENGINEER TO CLARIFY ANY UNCLEAR DRAWING ITEMS PRIOR TO CONSTRUCTION. PRIOR TO SITE ACCESS, THE CONTRACTOR SHALL BE PROPERLY IDENTIFIED.

2. THE CONTRACTOR SHALL PERFORM ALL WORK REQUIRED IN ACCORDANCE WITH ALL LOCAL, STATE AND FEDERAL CODES, REGULATIONS AND ORDINANCES, AND IN ACCORDANCE WITH ALL OWNER DESIGN AND CONSTRUCTION STANDARDS.

3. IF THE CONTRACTOR DETERMINES AT ANY TIME THAT THE REQUIREMENTS OF THESE CONSTRUCTION DOCUMENTS ARE IN CONFLICT WITH, OR IN VIOLATION OF APPLICABLE LAWS, CODES, REGULATIONS OR ORDINANCES, HE/SHE SHALL NOT PROCEED WITH ANY WORK IN QUESTION, EXCEPT AT HIS/HER OWN RISK, UNTIL THE ENGINEER HAS BEEN NOTIFIED AND A DETERMINATION MADE (IN WRITING). WHERE COMPLETED OR PARTIALLY COMPLETED WORK IS DISCOVERED TO BE IN VIOLATION OF APPLICABLE LAWS, CODES, REGULATIONS OR ORDINANCES, THE CONTRACTOR SHALL BE REQUIRED TO REMOVE THAT WORK FROM THE PROJECT AND REPLACE SUCH WORK WITH ALL NEW COMPLYING WORK AT NO ADDTIIONAL COST TO THE OWNER, THE ARCHITECT OR THE ENGINEER.

4. ALL DRAWINGS AND SPECIFICATIONS ARE TO BE CONSIDERED PART OF THE CONTRACT DOCUMENTS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE REVIEW AND COORDINATION OF ALL DRAWINGS AND SPECIFICATIONS PRIOR TO PERFORMING ANY WORK, INCLUDING ARCHITECTURAL, STRUCTURAL, MECHANICAL, PLUMING AND ELECTRICAL DOCUMENTS.

5. THE CONTRACTOR SHALL COORDINATE ALL WORK WITH OTHER TRADES AND OTHER CONTRACTORS.

6. ABBREVIATIONS & SYMBOLS USED ON THE DRAWINGS ARE THOSE IN COMMON USE. THE ENGINEER SHALL DEFINE THE INTENT OF ANY IN QUESTION.

7. ANY ITEM EXPOSED DURING DEMOLITION AND/OR NEW WORK THAT IS NOT BEING REUSED, SHALL BE REMOVED AND SCRAPPED-OUT. ITEMS MAY INCLUDE ITEMS PREVIOUSLY NOT REMOVED. ITEMS REMOVED SHALL BE SCRAPPED-OUT IMMEDIATELY AND NOT STOCKPILED ON SITE.

8. ALL PENETRATIONS OF PIPING OR DUCTWORK THROUGH FIRE/SMOKE-RATED ASSEMBLIES SHALL BE SEALED WITH UL APPROVED RESILIENT FIRE-RETARDANT SEALANT.

9. ALTHOUGH EQUIPMENT AND PIPING INDICATED ON THE DRAWINGS HAVE BEEN DRAWN TO SCALE, AND ARE GENERALLY DIMENSIONALLY ACCURATE, THE CONTRACTOR SHALL FIELD VERIFY ALL DIMENSIONS AND NOT SCALE THE DRAWINGS. THIS IS ESPECIALLY TRUE REGARDING EXISTING EQUIPMENT OR PIPING TO REMAIN.

10. ALL MATERIAL AND EQUIPMENT REMOVED BY DEMOLITION SHALL BE REMOVED FROM THE SITE ON A DAILY BASIS (NO STOCK PILING).

11. HANDLE, STORE AND INSTALL ALL NEW EQUIPMENT AND PIPING PER MANUFACTURERS INSTRUCTIONS.

12. ALL ITEMS NOTED TO BE REMOVED AND REUSED (RELOCATED) SHALL BE HANDLED WITH PROPER CARE AND STORED IN A SAFE PLACE TO PREVENT DAMAGE, OR THEY WILL BE REPLACED AT THE CONTRACTOR'S EXPENSE.

13. ALL SAFETY MEASURES WHILE ON SITE ARE THE DIRECT RESPONSIBILITY OF THE CONTRACTOR. THIS INCLUDES THE USE OF LADDERS, SCAFFOLDING, TOOLS, EQUIPMENT, TRENCHING, ETC.

14. ALL DUST, NOISE AND ODORS SHALL BE CONTROLLED BY THE CONTRACTOR PER OWNERS' REQUIREMENTS.

15. LEGAL EXITS SHALL NOT BE BLOCKED AT ANY TIME WITH MATERIALS OR EQUIPMENT, TEMPORARILY OR PERMANENTLY.

16. ALL USE OF FLEXIBLE DUCT SHALL BE LIMITED TO APPROXIMATELY SIX (6) FEET IN LENGTH. ALL FLEXIBLE DUCT SHALL BE ADEQUATELY SERCURED TO BRANCH DUCTWORK AND THE AIR TERMINAL DEVICE WHICH IT SERVES (I.E. SEALED, STRAPPED, BANDED, MECHANICALLY-SECURED, ETC.). ALL FLEXIBLE DUCTWORK SHALL HAVE A MINIMUM R-VALUE RATING OF R-8.

17. ALL BRANCH DUCTWORK SHALL BE PROVIDED WITH BALANCE (VOLUME) DAMPERS WHETHER INDICATED OR NOT, FOR SYSTEM SHUT-OFF AND BALANCING.

18. ALL BRANCH PIPING SHALL BE PROVIDED WITH ISOLATION VALVES WHETHER INDICATED OR NOT, FOR SYSTEM SHUT-OFF AND BALANCING.

19. IN GENERAL, ALL PIPING AND DUCTWORK SHALL BE RUN CONCEALED ABOVE SUSPENDED CEILINGS, IN SHAFTS OR IN SOFFITS UNLESS NOTED OR INDICATED OTHERWISE.

20. PROVIDE ALL REQUIRED SLEEVES OR OPENINGS WHERE PIPES OR DUCTS PASS THROUGH FONDATIONS, FLOOR SLABS, WALLS, ROOFS, ETC.

21. ACCESS SHALL BE PROVIDED AT ALL DAMPERS, VALVES AND EQUIPMENT. PROVIDE ACCESS DOORS AS REQUIRED. EACH ACCESS DOOR SHALL BE A MINIMUM OF 24"x24" UNLESS INDICATED OTHERWISE, AND SHALL BE FIRE-RATED IF REQUIRED TO MAINTAIN THE FIRE-RATING OF THE ASSEMBLY IN WHICH THE ACCESS DOOR IS INSTALLED.

MECHANICAL DRAWING INDEX

M1.00 MECHANICAL TITLE SHEET

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M1.12 MECHANICAL LEVELS 2 - 6 ZONING PLAN

M2.00 MECHANICAL LOWER LEVEL PLAN

M2.01 MECHANICAL LEVEL 1 PLAN

M2.02 MECHANICAL LEVELS 2, 4, & 6 PLAN

M2.03 MECHANICAL LEVELS 3 & 5 PLAN

M2.04 MECHANICAL ROOF PLAN

M4.00 MECHANICAL HEATING WATER FLOW DIAGRAM

M4.01 MECHANICAL CHILLED WATER FLOW DIAGRAM

M5.00 MECHANICAL ENLARGED PLANS

M6.00 MECHANICAL DETAILS

APPLICABLE CODES

APPLICABLE CODES, STANDARDS, GUIDELINES AND AHJs

2013 CALIFORNIA BUILDING CODE
2013 CALIFORNIA MECHANICAL CODE
2013 CALIFORNIA PLUMBING CODE
2013 CALIFORNIA ELECTRICAL CODE
2013 CALIFORNIA ENERGY CODE
2013 CALIFORNIA FIRE CODE
2013 CALGREEN
CE NATIONAL FIRE PROTECTION ASSOCIATION (NFPA)
CE AMERICANS WITH DISABILITIES ACT (ADA)
UCI UNIVERSITY OF CALIFORNIA - IRVINE

*CE - CURRENT EDITION

MECHANICAL/PLUMBING ANCHORAGE

ALL MECHANICAL AND PLUMBING COMPONENTS SHALL BE ANCHORED AND INSTALLED PER THE DETAILS IN/ON THE CONSTRUCTION DOCUMENTS. WHERE NO DETAIL IS PROVIDED, THE FOLLOWING COMPONENTS SHALL BE ANCHORED OR BRACED TO MEET THE FORCE AND DISPLACEMENT REQUIREMENT PRESCRIBED IN THE 2013 CBC, SECTIONS 1615A.1.12 THROUGH 1615A.1.22, AND ASCE 7-05, CHAPTER 6 & 13.

1. ALL PERMANENT EQUIPMENT AND COMPONENTS.

2. TEMPORARY OR MOVABLE EQUIPMENT THAT IS PERMANTENTLY ATTACHED (I.E. HARD WIRED) TO THE BUILDING UTILITY SERVICES SUCH AS GAS OR WATER.

3. MOVABLE EQUIPMENT WHICH IS STATIONED IN ONE PLACE FOR MORE THAN 8 HOURS AND HEAVIER THAN 400 POUNDS (PROVIDE TEMPORARY ATTACHMENTS).

THE ATTACHMENT OF THE FOLLOWING MECHANICAL AND PLUMBING COMPONENTS SHALL BE POSITIVELY ATTACHED TO THE STRUCTURE. THESE COMPONENTS SHALL BE PROVIDED WITH FLEXIBLE CONNECTORS BETWEEN THE COMPONENT AND THE ASSOCIATED DUCTWORK OR PIPING.

1. COMPONENTS WEIGHING LESS THAN 400 POUNDS WITH A CENTER OF MASS LOCATED 4 FEET OR LESS ABOVE THE ADJACENT FLOOR OR ROOF LEVEL.

2. COMPONENTS WEIGHING LESS THAN 20 POUNDS, OR IN THE CASE OF DISTRIBUTED SYSTEMS (I.E. DUCTWORK OR PIPING), LESS THAN 5 POUNDS PER FOOT (THOSE COMPONENTS THAT ARE SUPPORTED FROM A ROOF, A FLOOR OR FROM A WALL).

FOR THOSE ELEMENTS/COMPONENTS THAT DO NOT REQUIRE SPECIFIC DETAILS IN/ON THE CONSTRUCTION DOCUMENTS, THE INSTALLATION SHALL BE SUBJECT TO APPROVAL BY THE STRUCTURAL ENGINEER OF RECORD. THE PROJECT INSPECTOR WILL VERIFY THAT ALL COMPONENTS AND EQUIPMENT HAVE BEEN ANCHORED IN ACCORDANCE WITH THESE REQUIREMENTS.

PIPING AND DUCTWORK DISTRIBUTION SYSTEMS SHALL BE BRACED TO COMPLY WITH THE FORCES AND DISPLACEMENTS PRESCRIBED IN ASCE 7-05, SECTIONS 13.3, 13.6.5.6, 13.6.7 AND 13.6.8, AND THE 2013 CBC, SECTIONS 1615A1.20, 1615A1.21 AND 1615A1.22.

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PROJECT
MESA COURT EXPANSION

LOCATION
IRVINE, CA

PREPARED FOR

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996296

KEYMAP

NO.	DATE	REVISION

PROJECT DIRECTOR

PROJECT MANAGER

PROJECT ARCHITECT

PROJECT TEAM MEMBERS

CHECK

ARCHITECT SEAL

TITLE
MECHANICAL TITLE SHEET

PROJECT NO.
13292.00

DATE
MAY 30, 2014

SHEET NUMBER
M1.00

DESIGN DEVELOPMENT

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ORIGINAL SHEET SIZE 30" x 42"

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AIR HANDLING UNIT SCHEDULE (AHU)

UNIT NO.	MANUFACTURER	MODEL NO.	SUPPLY FAN DATA			CFM	TSP/ESP (IN. WC)	MOTOR DATA			FAN RPM	DRIVE TYPE	RETURN FAN DATA			CFM	TSP/ESP (IN. WC)	MOTOR DATA			FAN RPM	DRIVE TYPE	HC#	CC#	AF#	REMARKS
			TYPE	SIZE	BLADE			HP	VOLT	PH			TYPE	SIZE	BLADE			HP	VOLT	PH						
1A	Trane	CSAA010UA	PF	18.25	AF	4000	4.00/2.50	1 @ 5	480	3	1800	D	PF	18.25	AF	4000	2.22/1.50	3	480	3	1800	D	*	CC1A	AF1A	2, 3, 4, 5, 6
1B	Trane	CSAA066UA	PF	22.25	AF	30000	4.00/2.50	4 @ 7.5	480	3	1800	D	*	*	*	*	*	*	*	*	*	*	HC1B	*	AF1B	1, 3, 4, 5, 7
2	Trane	CSAA066UA	PF	22.25	AF	27610	4.00/2.50	4 @ 10	480	3	1800	D	*	*	*	*	*	*	*	*	*	*	HC2	CC2	AF2	1, 3, 4, 5, 8
3A	Trane	CSAA057UA	PF	27	AF	25000	5.32/3.00	2 @ 20	480	3	1800	D	PF	27	AF	25000	2.82/2.00	2 @ 15	480	3	1800	D	*	CC3A	AF3A	2, 3, 4, 5, 9
3B	Trane	CSAA057UA	PF	27	AF	25000	5.32/3.00	2 @ 20	480	3	1800	D	PF	27	AF	25000	2.82/2.00	2 @ 15	480	3	1800	D	*	CC3B	AF3B	2, 3, 4, 5, 9
4	Trane	CSAA030UA	PF	22.25	AF	11730	4.75/3.00	2 @ 7.5	480	3	1800	D	PF	22.25	AF	11730	2.75/2.00	2 @ 5	480	3	1800	D	*	CC4	AF4	2, 3, 4, 5, 10
5	Trane	CSAA050UA	PF	27	AF	18900	4.75/3.00	2 @ 15	480	3	1800	D	PF	27	AF	18900	2.64/2.00	2 @ 7.5	480	3	1800	D	*	CC5	AF5	2, 3, 4, 5, 11

C	Centrifugal	AF	Airfoil	B	Belt Drive	1	100% OUTSIDE AIR UNIT	6	278"L x 62" W x 40"H; 3000 LBS.
PF	Plenum/Plug	BI	Backward Inclined	D	Direct Drive	2	MIXED-AIR UNIT	7	190"L x 141"W x 93"H; 9500 LBS.
FA	Fan Array (multiple)	FC	Forward Curved	HC#	Heating Coil #	3	INDOOR UNIT - MECHANICAL ROOM	8	227"L x 141"W x 93"H; 13,100 LBS.
SA	Supply Air	RT	Radial Tip	CC#	Cooling Coil #	4	BASE-MOUNTED - CONCRETE FLOOR	9	365"L x 126"W x 86"H; 13,100 LBS.
RA	Return Air			AF#	Air Filter #	5	VARIABLE VOLUME UNIT W/ VARIABLE FREQUENCY DRIVES ON UNIT	10	338"L x 94"W x 62"H; 7400 LBS.
								11	346"L x 126"W x 76"H; 12,100 LBS.

GREASE HOOD EXHAUST DUCT SIZE SCHEDULE

EXHAUST FAN	CFM (1)	ROUND DUCT (2)	SQUARE DUCT (2)		RECTANGLE DUCT (2)		FIRE WRAP DIMENSION (3)	INSTALLATION CLEARANCE (4)	ROUND DUCT SHAFT (5)		SQUARE DUCT SHAFT (5)		RECT DUCT SHAFT (5)	
			H	W	H	W			H	W	H	W	H	W
EF1	10000	34	30	30	22	42	6	12	52	52	48	48	40	60
EF2	3200	18	16	16	12	24	6	12	36	36	34	34	30	42
EF3	16000	42	38	38	32	48	6	12	60	60	56	56	50	66
EF4	1800	16	14	14	10	20	6	12	34	34	32	32	28	38
EF5	2000	16	14	14	10	20	6	12	34	34	32	32	28	38
EF6	1800	16	14	14	10	20	6	12	34	34	32	32	28	38
EF7	1800	16	14	14	10	20	6	12	34	34	32	32	28	38
EF8	1800	16	14	14	10	20	6	12	34	34	32	32	28	38
EF9	5000	24	22	22	16	30	6	12	42	42	40	40	34	48
EF10	4200	22	20	20	16	26	6	12	40	40	38	38	34	44
EF11	1000	12	12	12	10	14	6	12	30	30	30	30	28	32
TOTALS	48600													

COMMENTS		
	1	AIRFLOW BASED ON KITCHEN CONSULTANT EQUIPMENT LIST (CURRENT).
	2	INSIDE DUCT DIMENSION - OUTSIDE BASED ON UCI SPECIFIED PRODUCT, I.E. DOUBLE-WALL DUCT, CERAMIC LINER, ETC.
	3	IF FIRE-WRAP IS PROVIDED ON SINGLE-WALL DUCT, IN LIEU OF UCI SPECIFIED PRODUCT. REQUIRED FIRE-WRAP IS 3 INCHES ALL-AROUND (TOTAL OF 6 INCHES LARGER DIAMETER).
	4	CLEARANCE JUST TO ACCOMMODATE DOUBLE-WALL DUCT (PER UCI SPECIFIED PRODUCT) OR FIRE-WRAPPED DUCT, HANGERS, BRACING, INSTALLATION, ETC.
	5	DUCT SHAFT SIZE REQUIRED TO ACCOMMODATE GREASE DUCT, IF FIRE-WRAPPED.

COIL SCHEDULE

UNIT NO.	UNIT SERVED	CFM	TYPE FA (SF)	FV (FPM)	EAT		LAT		EWT (F)	LWT (F)	CAPACITY (BTUH)		GPM	PRESS. DROP		REMARKS
					DB(F)	WB(F)	DB(F)	WB(F)			SENS.	TOTAL		APD (IN)	WPD (FT)	
HC1B	AHU1B	30000	W / 65,63	457	35	*	85	*	150	110	*	1626750	82	0,126	1,16	
HC2	AHU2	27610	W / 65,63	421	45	*	90	*	150	110	*	1347440	90	0,067	6,88	
CC1A	AHU1A	4000	W / 9,2	435	80	67	55	54,90	45	65	11020	150100	15	0,758	0,758	
CC2	AHU2	27610	W / 65,63	421	80	67	55	54,90	45	65	760880	1034830	103	0,658	5,35	
CC3A	AHU3A	25000	W / 56,60	442	80	67	55	54,84	45	65	688950	942740	94	0,668	9,18	
CC3B	AHU3B	25000	W / 56,60	442	80	67	55	54,84	45	65	688950	942740	94	0,668	9,18	
CC4	AHU4	11730	W / 28,69	409	80	67	55	54,78	45	65	323260	444250	45	0,578	4,77	
CC5	AHU5	18900	W /48,26	392	80	67	55	54,81	45	65	520850	714360	72	0,514	7,92	

DX	DIRECT EXPANSION	FA	FACE AREA	1	
WG	WATER/GLYCOL	FV	FACE VELOCITY	2	
S	STEAM	DB	DRY BULB	3	
W	WATER	WB	WET BULB	4	
EAT	ENTERING AIR TEMPERATURE	APD	AIR PRESSURE DROP	5	
LAT	LEAVING AIR TEMPERATURE	WPD	WATER PRESSURE DROP	6	
EWT	ENTERING WATER TEMPERATURE	GPM	GALLONS PER MINUTE	7	
LWT	LEAVING WATER TEMPERARTURE	CFM	CUBIC FEET PER MINUTE	8	
CC	COOLING COIL	BTUH	BRITISH THERMAL UNIT/HR	9	
HC	HEATING COIL	(F)	FAHRENHEIT		

AIR FILTER SCHEDULE

UNIT NO.	UNIT SERVED	CFM	FV (FPM)	FACE AREA (SF)	PREFILTER						FINAL FILTER						REMARKS
					MERV	PD (IN)	H (IN)	W (IN)	T (IN)	QTY	MERV	PD (IN)	H (IN)	W (IN)	T (IN)	QTY	
AF1A	AHU1A	4000	461	8,67	8	0,634	24 24	12 20	2	1 2	15	0,757	24 24	12 20	12	1 2	1, 2, 3
AF1B	AHU1B	30000	450	66,67	8	0,630	24	20	2	20	15	0,752	24	20	12	20	1, 2, 3
AF2	AHU2	27610	414	66,67	8	0,616	24	20	2	20	15	0,737	24	20	12	20	1, 2, 3
AF3A	AHU3A	25000	417	60,00	8	0,617	24	24	2	15	15	0,738	24	24	12	15	1, 2, 3
AF3B	AHU3B	25000	417	60,00	8	0,617	24	24	2	15	15	0,738	24	24	12	15	1, 2, 3
AF4	AHU4	11730	416	28,22	8	0,616	20 20	12 20	2	3 8	15	0,738	20 20	12 20	12	3 8	1, 2, 3
AF5	AHU5	18900	378	50,00	8	0,602	24 24	12 24	2	5 10	15	0,723	24 24	12 24	12	5 10	1, 2, 3

CFM	CUBIC FEET PER MINUTE	AF	AIR FILTER	1	2 INCH THICK, PLEATED, 100% SYNTHETIC FIBER
FV	FACE VELOCITY	MERV	MINIMUM EFFICIENCY REPORTING VALUE	2	12 INCH THICK, CARTRIDGE, PLEATED, FIBER
FPM	FEET PER MINUTE			3	SIDE-ACCESS FILTER RACK

PUMP SCHEDULE

UNIT NO.	MANUFACTURER	MODEL NO.	PUMP DATA				FLOW (GPM)	FLOW @ BEP	TDH (FT)	NPSH (FT)	MOTOR DATA				PUMP EFF.	PUMP RPM	REMARKS
			TYPE	SUCTION	DISCHARGE	IMPELLER					BHP	HP	VOLT	PHASE			
CHWP1	BELL & GOSSETT	(e)1510-3E (3EB)	HES	4	3	10,875	450	454	100	8,1	14,91	20	480	3	77,21	1750	1, 3, 5
HWP1	BELL & GOSSETT	(e)1510-3GB (3G)	HES	4	3	11,875	375	404	125	4,9	20,63	20	480	3	73,44	1750	2, 4, 6
HWP2	BELL & GOSSETT	(e)1510-3GB (3G)	HES	4	3	11,875	375	404	125	4,9	20,63	20	480	3	73,44	1750	2, 4, 6
CP1	BELL & GOSSETT	SERIES 80 1 1/2 x 1 1/2 x 7B	HIL	1,5	1,5	5.25	25	40	25	3,5	0.4	0.75	120	1	39,92	1750	7
CP2	BELL & GOSSETT	SERIES 80 1 1/2 x 1 1/2 x 7B	HIL	1.5	1.5	5.25	25	40	25	3.5	0.4	0.75	120	1	39.92	1750	7
CP3	BELL & GOSSETT	SERIES 80 2 1/2 x 2 1/2 x 7	HIL	2,5	2,5	5.75	100	88	25	3,9	1,06	1,5	480	3	61,11	1750	7

CHWP	CHILLED WATER PUMP	1	UNIT TO BE PROVIDED WITH A #256T FRAME SIZE AND VFD-COMPATIBLE PREMIUM EFFICIENCY MOTOR.
HWP	HEATING WATER PUMP	2	UNIT TO BE PROVIDED WITH A #324T FRAME SIZE AND VFD-COMPATIBLE PREMIUM EFFICIENCY MOTOR.
VSC	VERTICAL SPLIT-CASE	3	UNIT BASE DIMENSIONS = 16"W x 48"L; HEIGHT FROM BOTTOM OF BASE TO DISCHARGE FLANGE = 23,5 INCHES.
HES	HORIZONTAL END-SUCTION	4	UNIT BASE DIMENSIONS = 16"W x 52"L; HEIGHT FROM BOTTOM OF BASE TO DISCHARGE FLANGE = 25 INCHES.
HIL	HORIZONTAL IN-LINE	5	SUCTION VELOCITY = 11,3 FPS; DISCHARGE VELOCITY = 19,5 FPS.
		6	SUCTION VELOCITY = 9,6 FPS; DISCHARGE VELOCITY = 15,1 FPS.
		7	PROVIDE WITH PREMIUM EFFICIENCY, CONSTANT VOLUME MOTORS.

NOTE: ALL SCHEDULED EQUIPMENT IDENTIFIED BY MANUFACTURER AND MODEL NUMBER WAS USED AS THE BASIS OF DESIGN. "OR EQUAL" PRODUCTS SHALL BE CONSIDERED ACCEPTABLE PROVIDED THAT THEY MEET THE CAPACITY AND CHARACTERISTICS INDICATED HEREIN AND/OR AS INDICATED IN THE UCI SPECIFICATIONS. "OR EQUAL" PRODUCT SHALL BE SUBJECT TO OWNER AND ENGINEER REVIEW AND APPROVAL.

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PROJECT
MESA COURT EXPANSION

LOCATION
IRVINE, CA

PREPARED FOR

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Design & Construction Services
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UCI PROJECT NO.
996296

KEYMAP

NO.	DATE	REVISION

PROJECT DIRECTOR

PROJECT MANAGER

PROJECT ARCHITECT

PROJECT TEAM MEMBERS

CHECK

ARCHITECT SEAL

TITLE
MECHANICAL SCHEDULES

PROJECT NO.
13292.00

DATE
MAY 30, 2014

SHEET NUMBER
M1.01

DESIGN DEVELOPMENT

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FAN SCHEDULE

UNIT NO.			EQPT/SPACE SERVED	MANUFACTURER	MODEL NO.	FAN DATA			CFM	TSP/ESP (IN WC)	MOTOR DATA			FAN RTPM	DRIVE TYPE	MOD #	REMARKS
						TYPE	LBS.	BLADE			HP	VOLT	PHASE				
EF1			MKH1	GREENHECK	CUBE 360XP (2)	EF/R/U	440 (2)	BI	10000	3	(2) @ 5	480	3	1231	B	*	1, 2, 3, 4, 5
EF2			MKH2	GREENHECK	CUBE 300XP	EF/R/U	313	BI	3200	3	3	480	3	1425	B	*	1, 2, 3, 4, 5
EF3			MKH3	GREENHECK	CUBE 360XP (2)	EF/R/U	440 (2)	BI	16000	3	(2) @ 7.5	480	3	1231	B	*	1, 2, 3, 4, 5
EF4			MKH4	GREENHECK	CUBE 240XP	EF/R/U	175	BI	1800	3	2	480	3	1895	B	*	1, 2, 3, 4, 5
	EF5		MKH5	GREENHECK	CUBE 240XP	EF/R/U	175	BI	2000	3	2	480	3	1895	B	*	1, 2, 3, 4, 5
	EF6		SH1	GREENHECK	CUBE 240XP	EF/R/U	175	BI	1800	3	2	480	3	1895	B	*	1, 2, 3, 4, 5
	EF7		SH2	GREENHECK	CUBE 240XP	EF/R/U	175	BI	1800	3	2	480	3	1895	B	*	1, 2, 3, 4, 5
	EF8		SH3	GREENHECK	CUBE 240XP	EF/R/U	175	BI	1800	3	2	480	3	1895	B	*	1, 2, 3, 4, 5
	EF9		SH4	GREENHECK	CUBE 360XP	EF/R/U	440	BI	5000	3	5	480	3	1231	B	*	1, 2, 3, 4, 5
	EF10		BSH1	GREENHECK	CUBE 300XP	EF/R/U	313	BI	4200	3	5	480	3	1493	B	*	1, 2, 3, 4, 5
	EF11		OVEN	GREENHECK	CUBE 240XP	EF/R/U	175	BI	1000	3	1.5	480	3	1720	B	*	2, 3, 4
	EF12		DW	GREENHECK	CUBE 240XP	EF/R/U	175	BI	2800	3	3	480	3	2165	B	*	2, 3, 4
	EF13		GS(N)	GREENHECK	CUBE 360XP (2)	EF/R/U	440 (2)	BI	9800	3	(2) @ 5	480	3	1231	B	*	2, 3, 4
	EF14		TOILET (LL)	GREENHECK	CUBE 240XP	EF/R/U	175	BI	2500	3	3	480	3	2030	B	*	2, 3, 4
	EF15		P/G	GREENHECK	CUBE 240XP	EF/R/U	175	BI	1800	3	2	480	3	1895	B	*	2, 3, 4
	EF16		GS(S)	GREENHECK	CUBE 360XP	EF/R/U	440	BI	7000	3	7.5	480	3	1395	B	*	2, 3, 4
	EF17		CH/TOILET	GREENHECK	CUBE 240XP	EF/R/U	175	BI	2500	3	3	480	3	2030	B	*	2, 3, 4
	EF18		F/RR	GREENHECK	CUBE 300XP	EF/R/U	313	BI	4500	3	5	480	3	1493	B	*	2, 3, 4
	EF19		TOILET	GREENHECK	CUBE 240XP	EF/R/U	175	BI	1800	3	2	480	3	1895	B	*	2, 3, 4
	EF20		PREP	GREENHECK	CUBE 240XP	EF/R/U	175	BI	600	3	1.5	480	3	1720	B	*	2, 3, 4
EF2-41	EF2-21	EF2-1	RLU TOILET	PANASONIC	FV-30NLF1	EF/IL	24	*	300	0.5	98W	120	1	1337	D	*	2, 3, 6
	THROUGH																
EF2-51	EF2-31	EF2-11															
EF2-53	EF2-33	EF2-13	JC/TOILET	PANASONIC	FV-30NLF1	EF/IL	24	*	300	0.5	98W	120	1	1337	D	*	2, 3, 6
EF2-52	EF2-32	EF2-12	CORRIDOR	GREENHECK	BSQ140HP-7	EF/IL	111	BI	1500	1	0.75	480	3	1785	B	*	2, 3
EF2-14	and	EF2-15	RLC	PANASONIC	FV-30NLF1	EF/IL	24	*	300	0.5	98W	120	1	1337	D	*	2, 3
EF3-41	EF3-21	EF3-1	RLU TOILET	PANASONIC	FV-30NLF1	EF/IL	24	*	300	0.5	98W	120	1	1337	D	*	2, 3, 6
	THROUGH																
EF3-51	EF3-31	EF3-11															
EF3-53	EF3-33	EF3-13	JC/TOILET	PANASONIC	FV-30NLF1	EF/IL	24	*	300	0.5	98W	120	1	1337	D	*	2, 3, 6
EF3-52	EF3-32	EF3-12	CORRIDOR	GREENHECK	BSQ140HP-7	EF/IL	111	BI	1500	1	0.75	480	3	1785	B	*	2, 3
EF4-41	EF4-21	EF4-1	RLU TOILET	PANASONIC	FV-30NLF1	EF/IL	24	*	300	0.5	98W	120	1	1337	D	*	2, 3, 6
	THROUGH																
EF4-51	EF4-31	EF4-11															
EF4-53	EF4-33	EF4-13	JC/TOILET	PANASONIC	FV-30NLF1	EF/IL	24	*	300	0.5	98W	120	1	1337	D	*	2, 3, 6
EF4-52	EF4-32	EF4-12	CORRIDOR	GREENHECK	BSQ140HP-7	EF/IL	111	BI	1500	1	0.75	480	3	1785	B	*	2, 3
EF5-41	EF5-21	EF5-1	RLU TOILET	PANASONIC	FV-30NLF1	EF/IL	24	*	300	0.5	98W	120	1	1337	D	*	2, 3, 6
	THROUGH																
EF5-51	EF5-31	EF5-11															
EF5-53	EF5-33	EF5-13	JC/TOILET	PANASONIC	FV-30NLF1	EF/IL	24	*	300	0.5	98W	120	1	1337	D	*	2, 3, 6
EF5-52	EF5-32	EF5-12	CORRIDOR	GREENHECK	BSQ140HP-7	EF/IL	111	BI	1500	1	0.75	480	3	1785	B	*	2, 3
EF6-41	EF6-21	EF6-1	RLU TOILET	PANASONIC	FV-30NLF1	EF/IL	24	*	300	0.5	98W	120	1	1337	D	*	2, 3, 6
	THROUGH																
EF6-51	EF6-31	EF6-11															
EF6-53	EF6-33	EF6-13	JC/TOILET	PANASONIC	FV-30NLF1	EF/IL	24	*	300	0.5	98W	120	1	1337	D	*	2, 3, 6
EF6-52	EF6-32	EF6-12	CORRIDOR	GREENHECK	BSQ140HP-7	EF/IL	111	BI	1500	1	0.75	480	3	1785	B	*	2, 3

R	ROOF-MOUNTED	AF	AIRFOIL	B	BELT DRIVE	1	WITH VENTED CURB EXTENSION, DRAIN CONNECTION, GREASE TRAP.
U	UPBLAST	BI	BACKWARD INCLINED	D	DIRECT DRIVE	2	WITH NEMA1 DISCONNECT (UNIT-MOUNTED).
W	WALL-MOUNTED	FC	FORWARD CURVED	EF	EXHAUST FAN	3	WITH PREMIUM EFFICIENCY MOTOR SUITABLE FOR VFD APPLICATION.
IL	IN-LINE	RT	RADIAL TIP	RAF	RETURN AIR FAN	4	WITH INSULATED PRE-FAB CURB AND CURB CAP.
CM	CEILING-MOUNTED					5	FOR DEMAND-CONTROLLED KITCHEN (GREASE) HOOD.
PF	PLENUM/PLUG	MOD	MOTOR OPERATED DAMPER #	SAF	SUPPLY AIR FAN	6	PROVIDE A WALL-MOUNTED 3-IN-1 CONTROL SWITCH, PANASONIC #FW-WCCS2, TO INCLUDE SENSOR/HUMIDITY CONTROL, COUNTDOWN TIMER, AND MANUAL ON-OFF FAN/LIGHT SWITCH TO CONTROL FAN/LIGHT OPERATION.

BOILER SCHEDULE

UNIT NO.	MANUFACTURER	MODEL NO.	TYPE	CAPACITY (BTUH)		EFFICIENCY RANGE (%)	WATER FLOW (GPM)			TEMPERTURES (F)		CONNECTIONS (IN)					ELECTRICAL			REMARKS
				INPUT	OUTPUT		MIN.	MAX.	ACT.	EWT	LWT	SUPPLY	RETURN	GAS	INTAKE	EXH.	VOLT	PH	FLA	
1	AERCO BENCHMARK	BMK2000	W / NG	2000000	1740000-1900000	87% - 98%	25	350	125	150	180	4	4	2	8	8	120	1	16	1, 2, 3, 4, 5
2	AERCO BENCHMARK	BMK2000	W / NG	2000000	1744000-1900000	87% - 98%	25	350	125	150	180	4	4	2	8	8	120	1	16	1, 2, 3, 4, 5
3	AERCO BENCHMARK	BMK2000	W / NG	2000000	1744000-1900000	87% - 98%	25	350	125	150	180	4	4	2	8	8	120	1	16	1, 2, 3, 4, 5

S	STEAM	FO	FUEL OIL	1	ASME SECTION IV, MAX. ALLOWED WORKING PRESSURE = 160 PSIG; ASME, UL, AHRI.
W	WATER	E	ELECTRIC	2	TURNDOWN = 20:1.
WG	WATER/GLYCOL	G/O	GAS/OIL COMBINATION	3	PRESSURE DROP = 3 PSIG @ 170 GPM.
NG	NATURAL GAS	B	BOILER	4	VENT MATERIALS = AL29-4C POLYPRO.
P	PROPANE			5	WEIGHT = 1760 LBS; DIMENSIONS = 28"W x 44"D x 78"H.

NOTE: ALL SCHEDULED EQUIPMENT IDENTIFIED BY MANUFACTURER AND MODEL NUMBER WAS USED AS THE BASIS OF DESIGN. "OR EQUAL" PRODUCTS SHALL BE CONSIDERED ACCEPTABLE PROVIDED THAT THEY MEET THE CAPACITY AND CHARACTERISTICS INDICATED HEREIN AND/OR AS INDICATED IN THE UCI SPECIFICATIONS. "OR EQUAL" PRODUCT SHALL BE SUBJECT TO OWNER AND ENGINEER REVIEW AND APPROVAL.

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PREPARED FOR
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UCI PROJECT NO.
996296

KEYMAP

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PROJECT ARCHITECT

PROJECT TEAM MEMBERS

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ARCHITECT SEAL

TITLE
MECHANICAL SCHEDULES

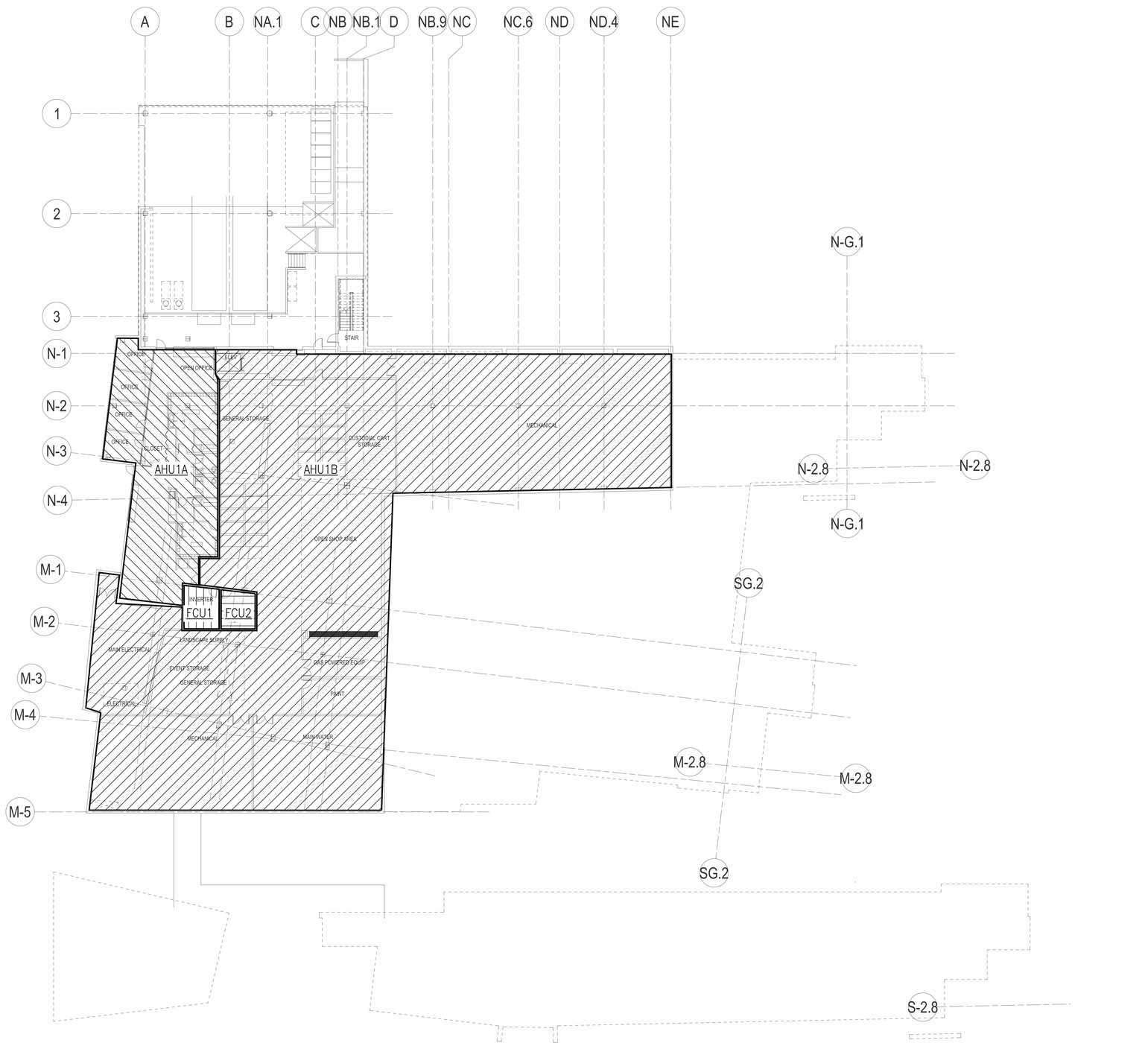
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SHEET NUMBER
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1 MECHANICAL LOWER LEVEL ZONING PLAN
1/16" = 1'-0"

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TITLE
MECHANICAL LOWER LEVEL ZONING PLAN

PROJECT NO.
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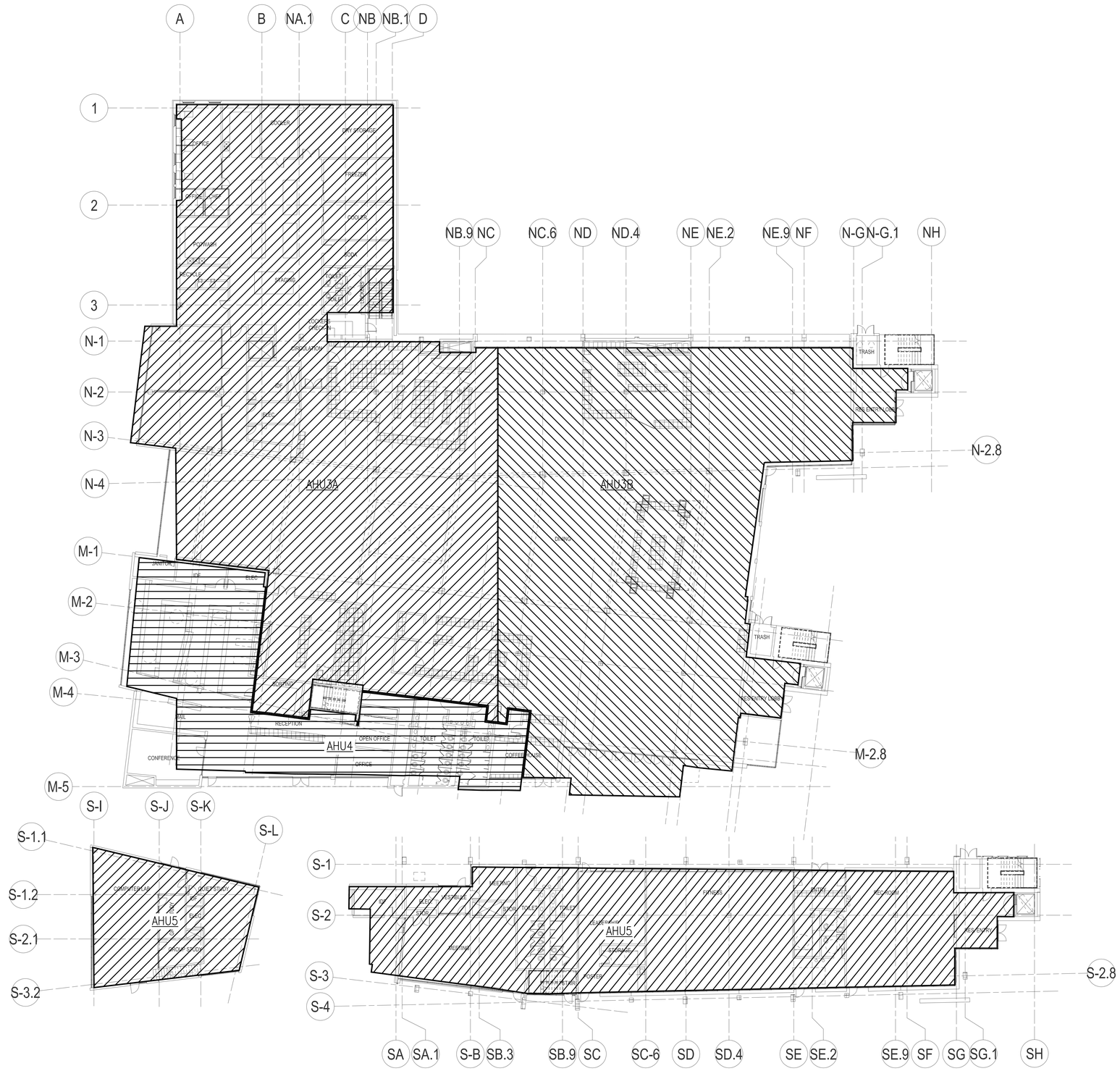
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1 MECHANICAL LEVEL 1 ZONING PLAN
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MECHANICAL LEVEL 1 ZONING PLAN

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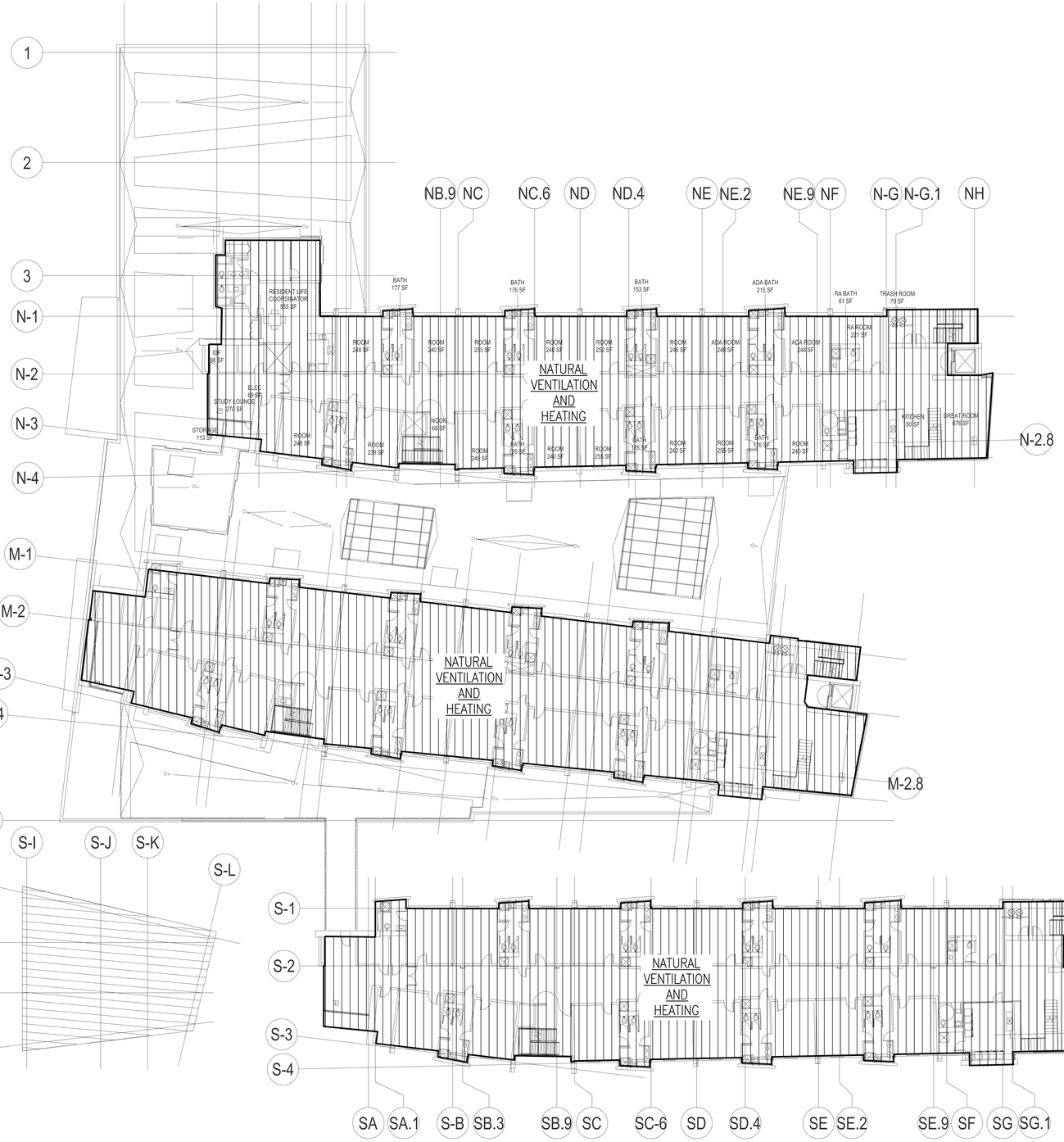
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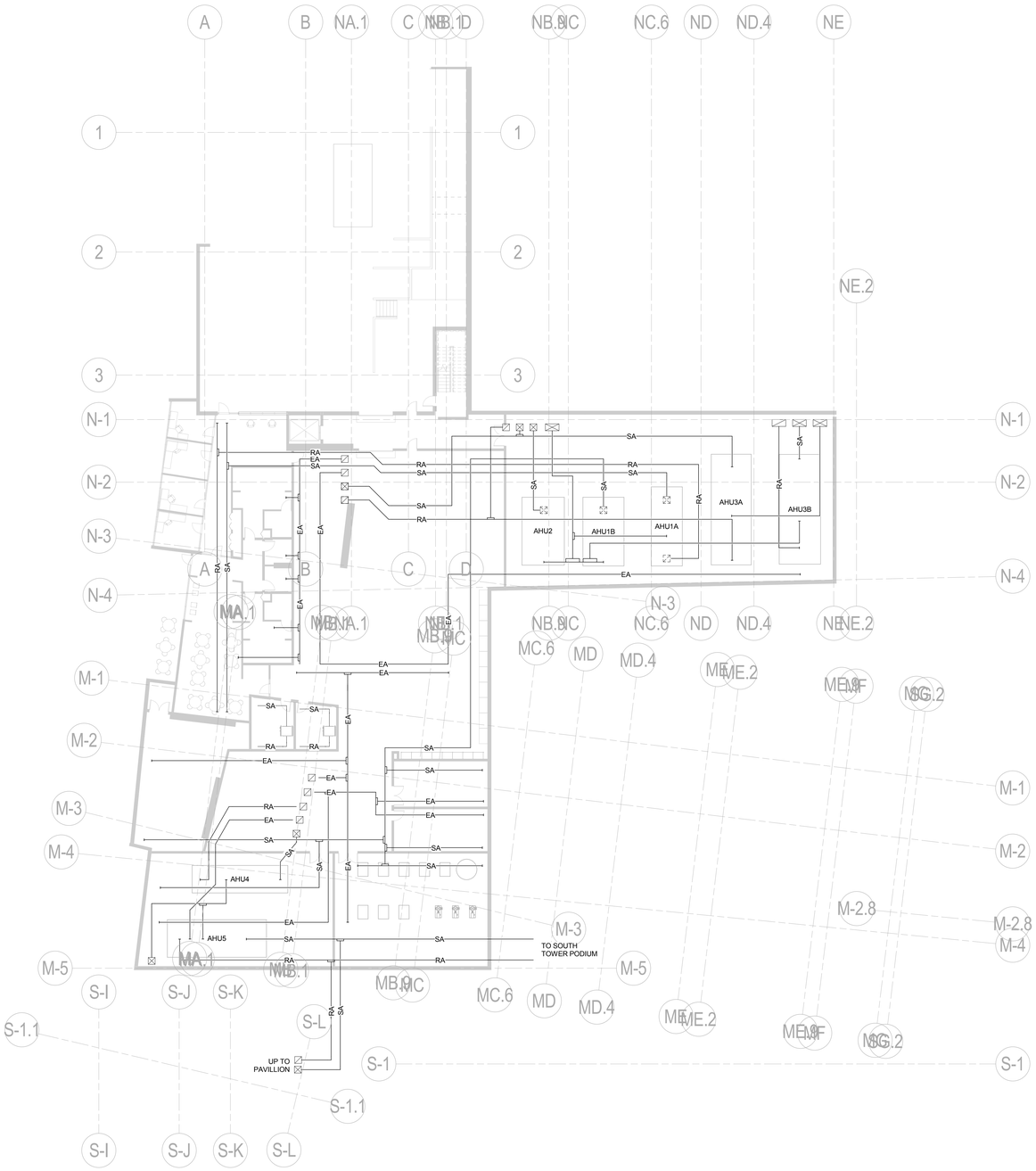
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1 MECHANICAL LEVELS 2 - 6 ZONING PLAN
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1 MECHANICAL LOWER LEVEL PLAN
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TITLE
MECHANICAL LOWER LEVEL PLAN

PROJECT NO.
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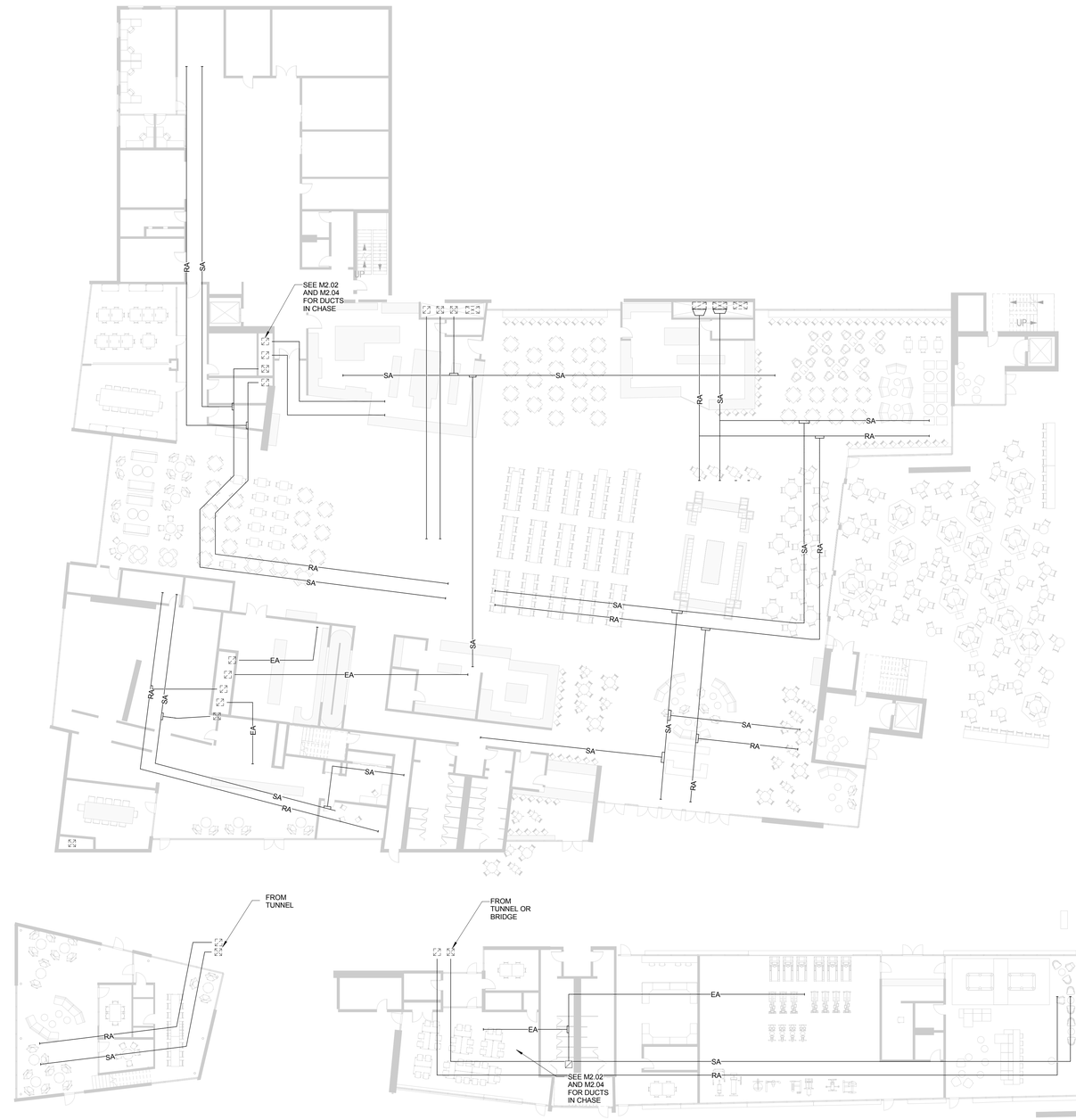
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1 MECHANICAL LEVEL 1 PLAN
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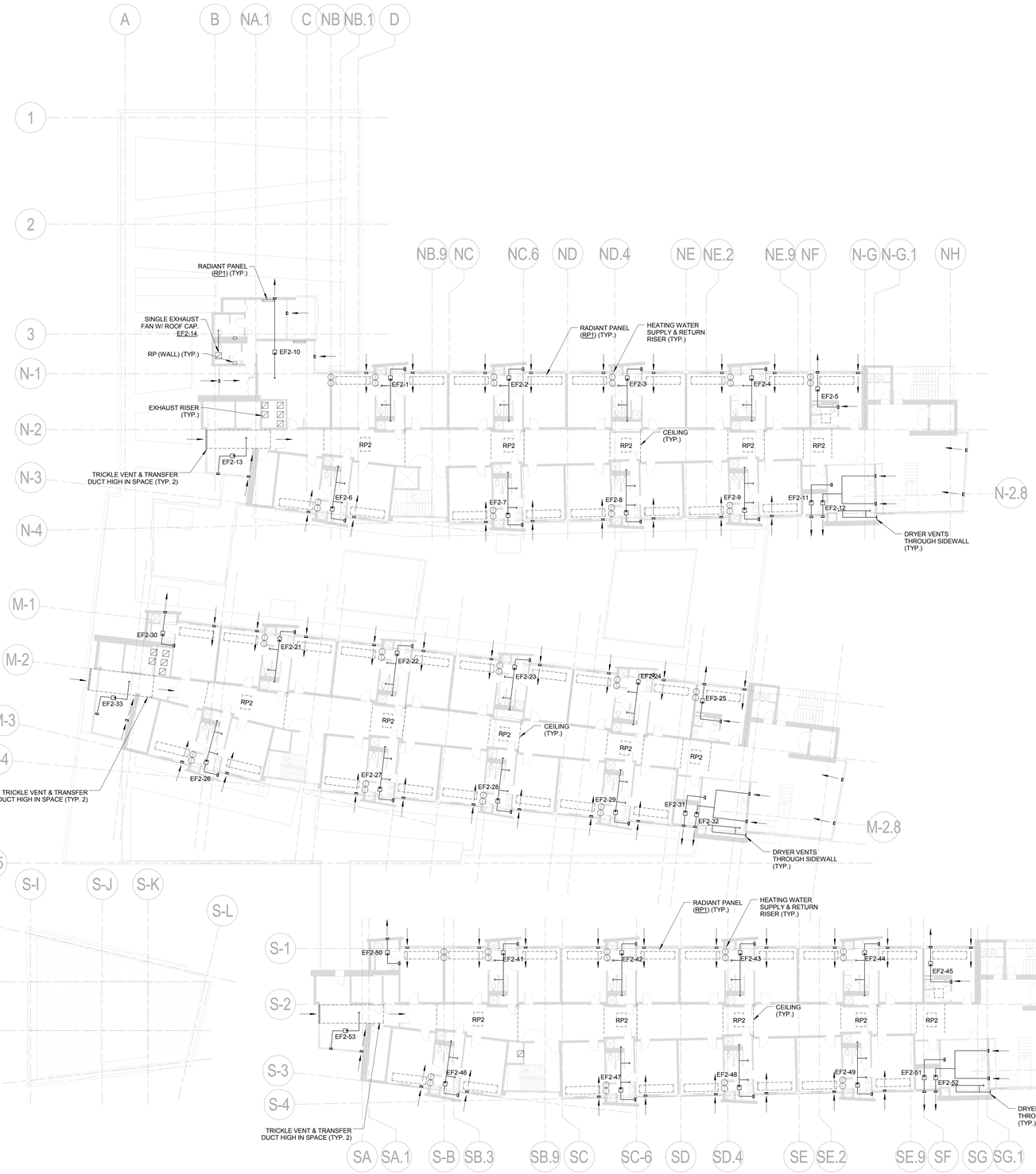
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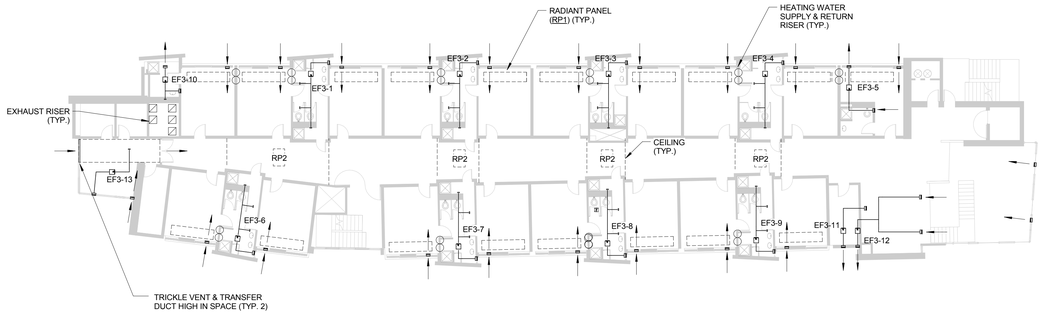
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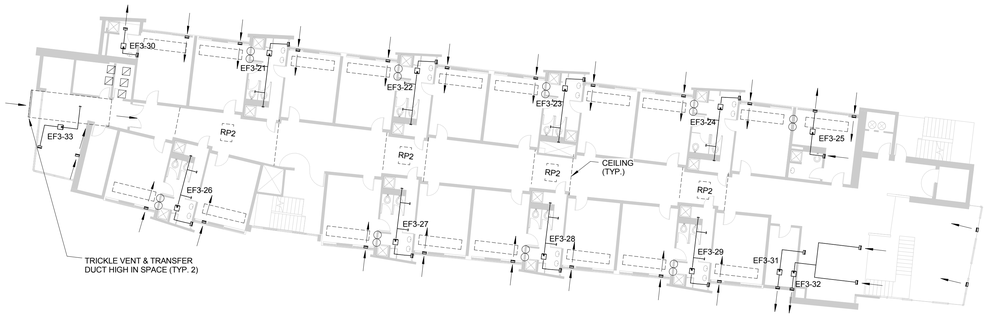
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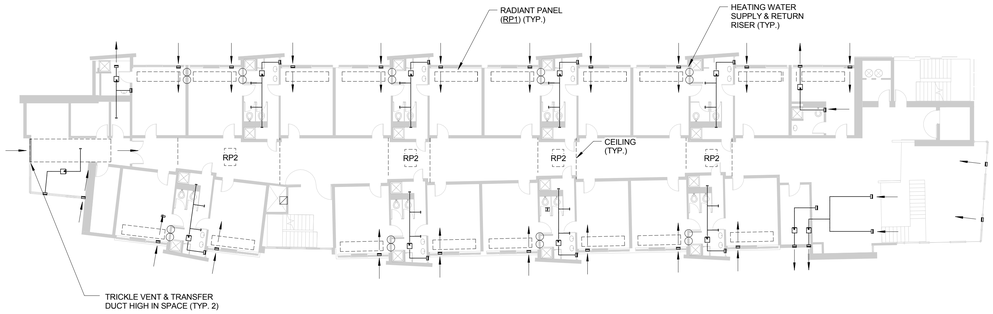
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1 MECHANICAL LEVEL 3 PLAN
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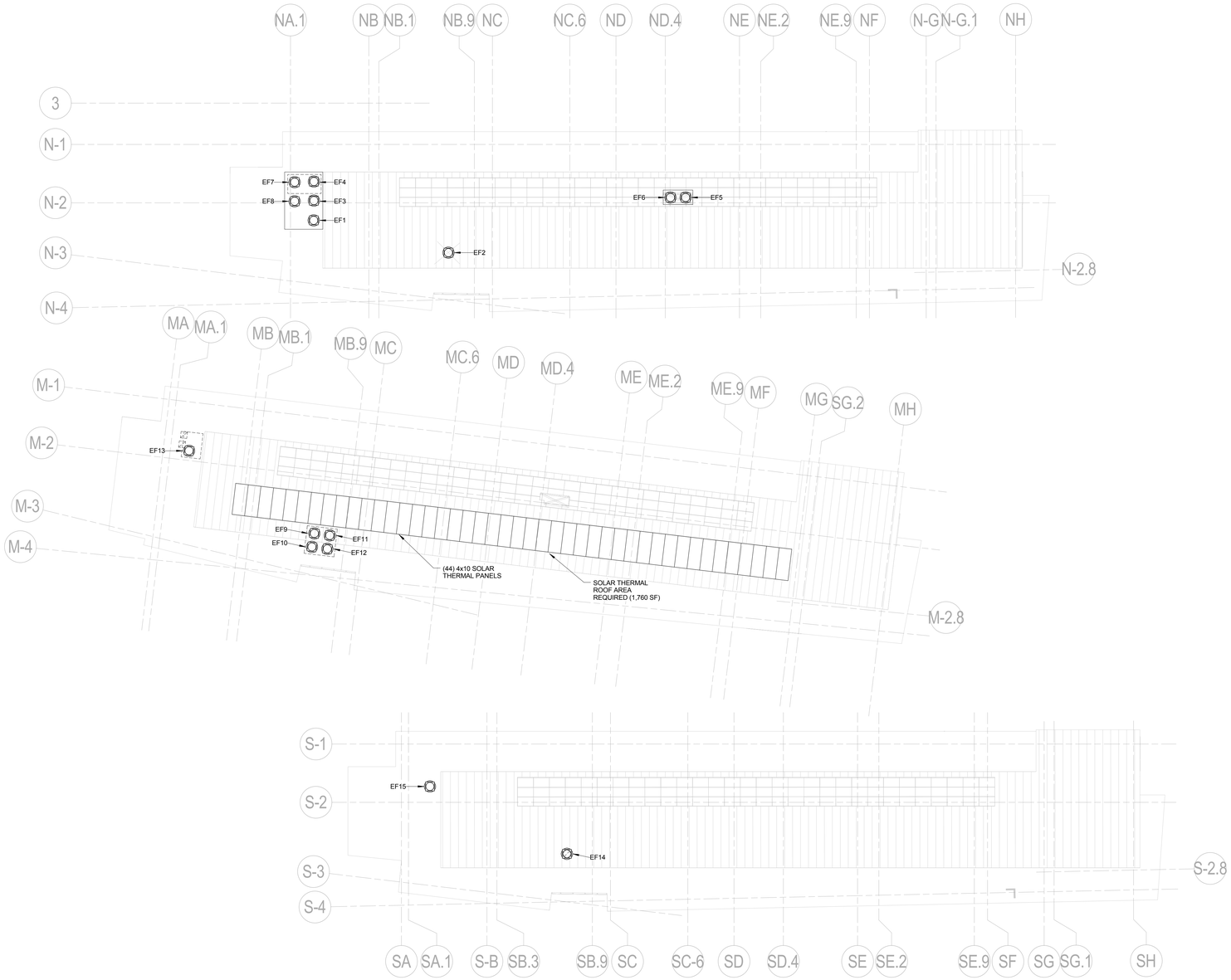
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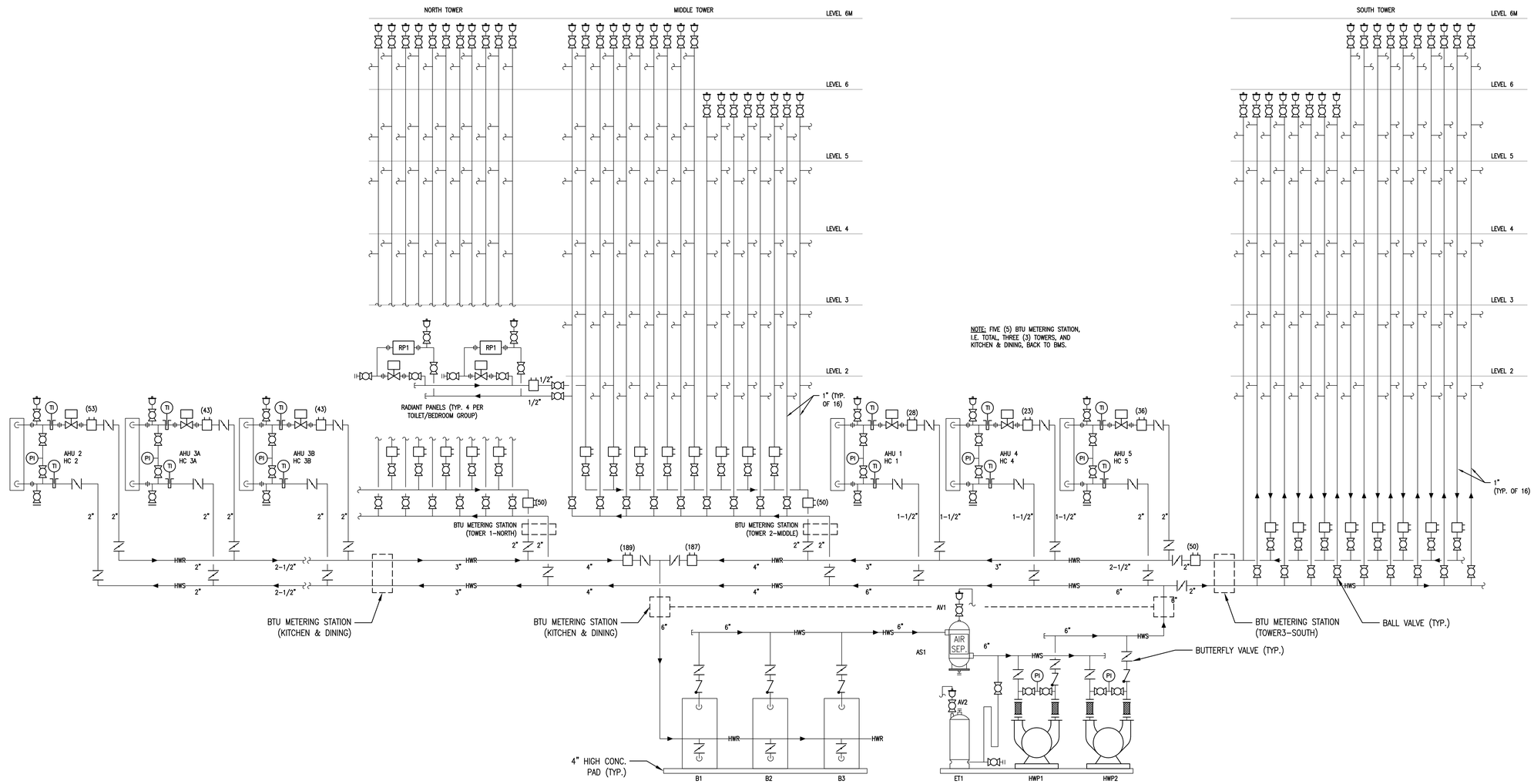
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1 MECHANICAL HEATING WATER FLOW DIAGRAM

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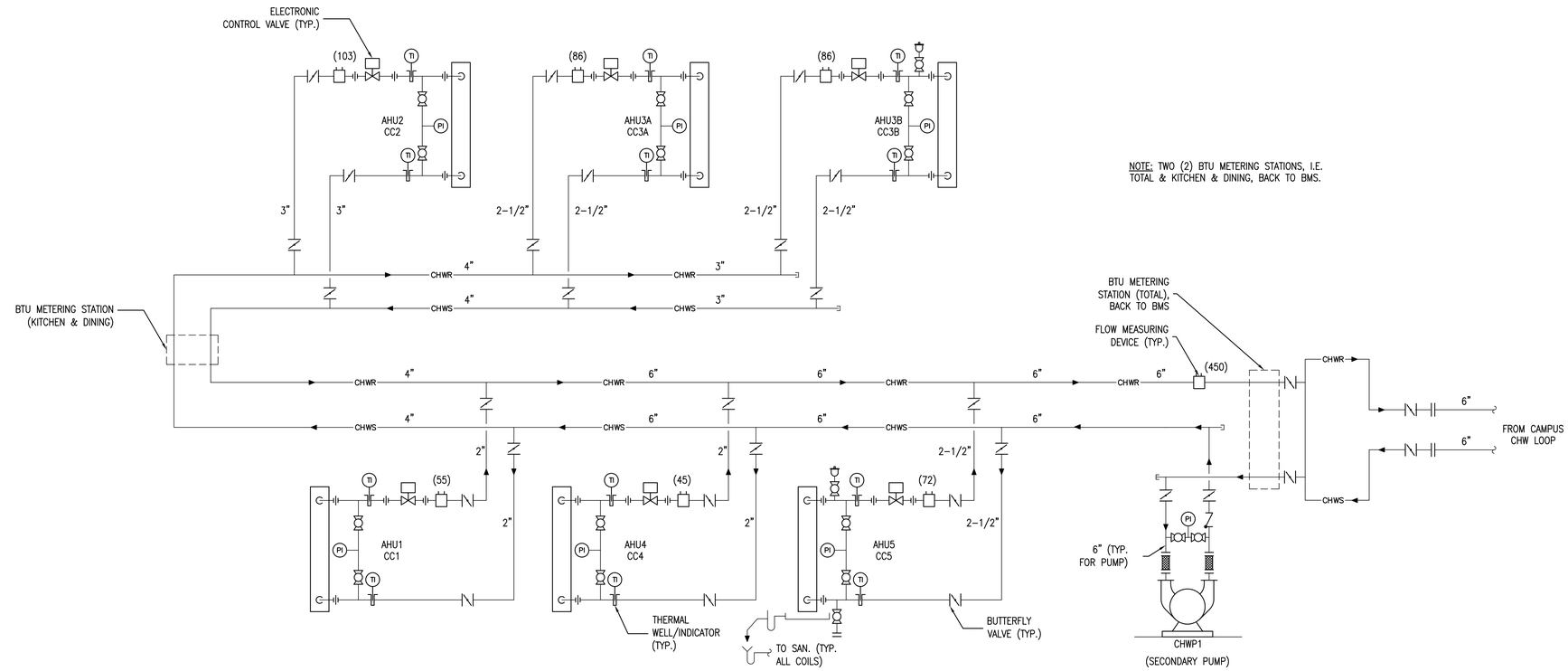
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MAY 30, 2014

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M4.00

Project Status

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1 MECHANICAL CHILLED WATER FLOW DIAGRAM

NOTE: TWO (2) BTU METERING STATIONS, I.E. TOTAL & KITCHEN & DINING, BACK TO BMS.

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PROJECT
MESA COURT EXPANSION

LOCATION
IRVINE, CA

PREPARED FOR
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UCI PROJECT NO.
996296

KEYMAP

NO.	DATE	REVISION

PROJECT DIRECTOR

PROJECT MANAGER

PROJECT ARCHITECT

PROJECT TEAM MEMBERS

CHECK

ARCHITECT SEAL

TITLE
MECHANICAL CHILLED WATER FLOW DIAGRAM

PROJECT NO.
13292.00

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MAY 30, 2014

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Project Status

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ORIGINAL SHEET SIZE 30" x 42"

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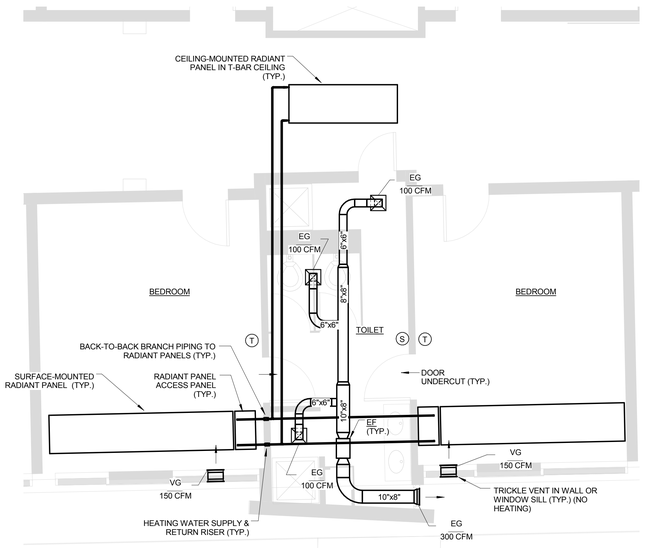
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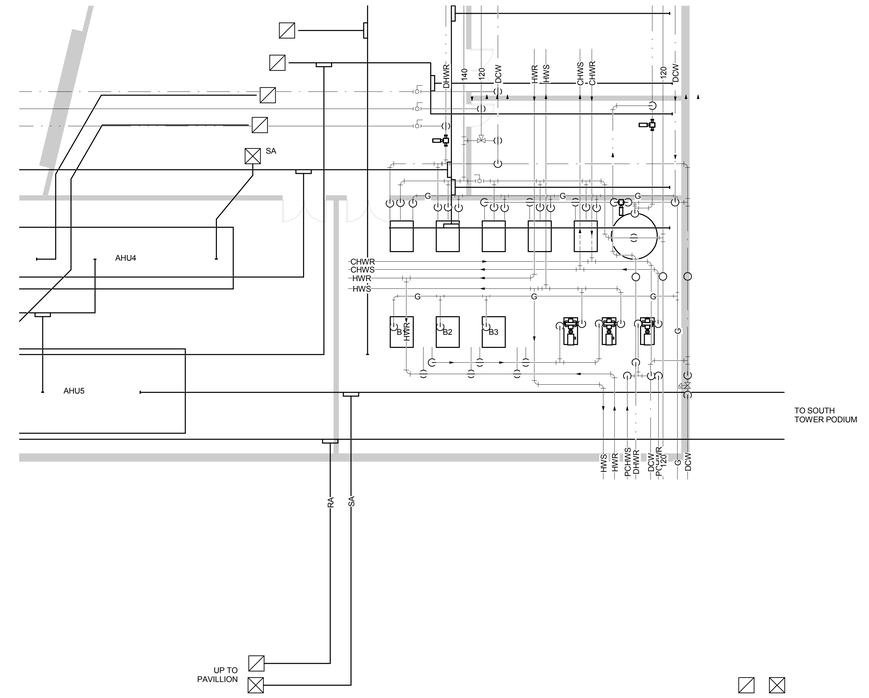
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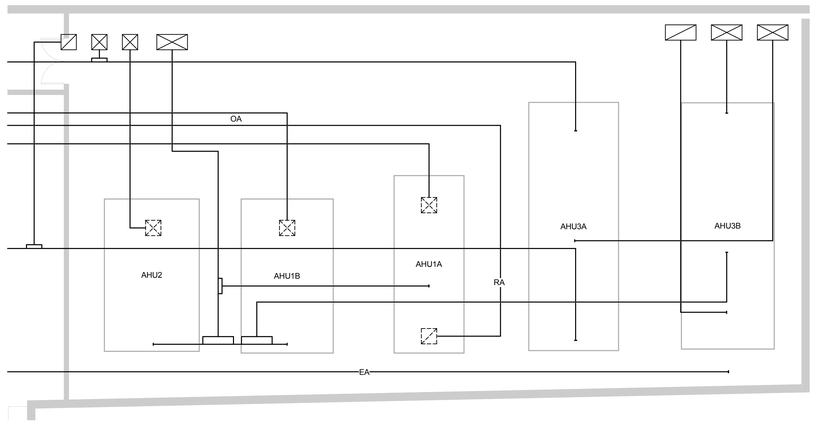
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3 MECHANICAL ENLARGED LIVING UNIT
1/4" = 1'-0"



1 ENLARGED MECHANICAL & BOILER ROOMS
1/8" = 1'-0"



2 ENLARGED NORTH MECHANICAL ROOM
1/8" = 1'-0"

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TITLE
MECHANICAL ENLARGED PLANS

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13292.00

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MAY 30, 2014

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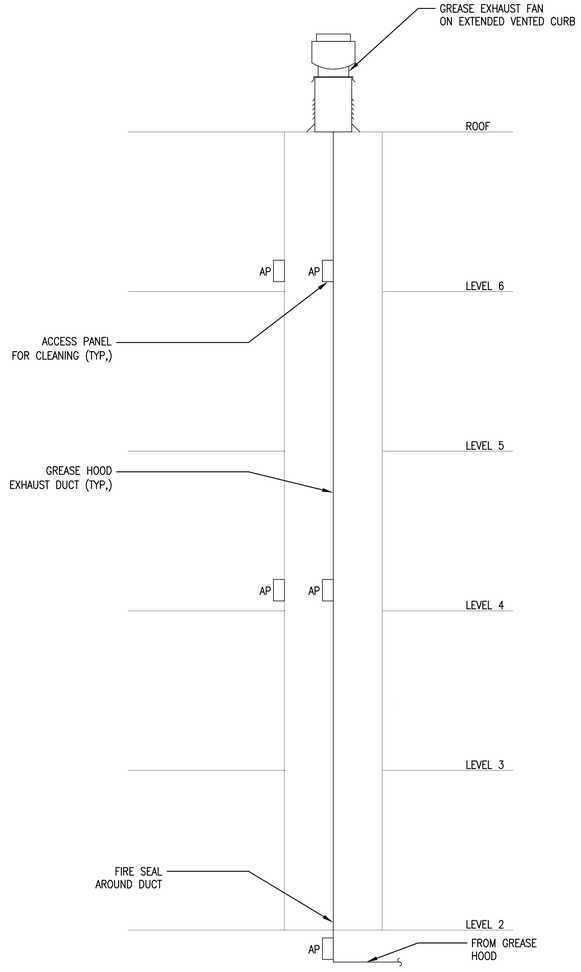
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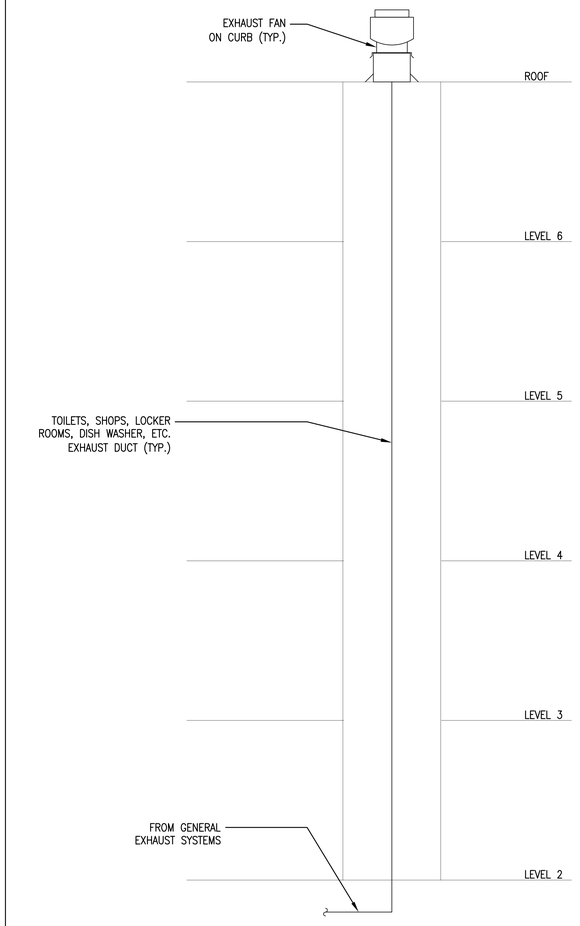
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ORIGINAL SHEET SIZE 36" x 42"

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WHEN PLOTTED AT 24"x36"
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-	SCALE ½" = 1'-0"	6	GREASE HOOD EXHAUST DUCT RISER	SCALE ½" = 1'-0"	3	GENERAL EXHAUST DUCT RISER	SCALE ½" = 1'-0"	1
-	SCALE ½" = 1'-0"	7	-	SCALE ½" = 1'-0"	4	-	SCALE ½" = 1'-0"	2

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TITLE
MECHANICAL DETAILS

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PLUMBING SYMBOLS & ABBREVIATIONS

ACT	ACTUAL
AFF	ABOVE FINISHED FLOOR
AHJ	AUTHORITY HAVING JURISDICTION
AMB	AMBIENT
AP	ACCESS PANEL
AV	AIR VENT
BHP	BRAKE HORSEPOWER
BMS	BUILDING MANAGEMENT SYSTEM
BOF	BOTTOM OF FOOTING
BOP	BOTTOM OF PIPE
BTU	BRITISH THERMAL UNIT
BTUH	BRITISH THERMAL UNIT PER HOUR
BFV	BUTTERFLY VALVE
BV	BALL VALVE
CFH	CUBIC FEET PER HOUR
CO	CLEANOUT
COND	CONDENSATE
CP	CIRCULATING PUMP
CV	CHECK VALVE
D	DEEP (DEPTH)
DB	DRY BULB (TEMPERATURE)
DCW	DOMESTIC COLD WATER
DHW	DOMESTIC HOT WATER
DHWR	DOMESTIC HOT WATER RECIRCULATION
ELEC	ELECTRICAL (POWER)
EC	ELECTRICAL CONTRACTOR
EFF	EFFICIENCY
EJ	EXPANSION JOINT
ET	EXPANSION TANK
EWC	ELECTRIC WATER COOLER
EWT	ENTERING WATER TEMPERATURE
EXH	EXHAUST
F	FAHRENHEIT (TEMPERATURE)
FC	FLEXIBLE CONNECTION (CONNECTOR)
FD	FLOOR DRAIN
FHD	FEET OF HEAD
FLA	FULL LOAD AMPS
FPM	FEET PER MINUTE
FPS	FEET PER SECOND
FS	FLOOR SINK
FT	FOOT (FEET)
GA	GAUGE
GC	GENERAL CONTRACTOR
GI	GREASE INTERCEPTOR
GPF	GALLONS PER FLUSH
GPH	GALLONS PER HOUR
GPM	GALLONS PER MINUTE
GW	GREASE WASTE
GV	GREASE VENT
H	HEIGHT
HP	HORSEPOWER
IC	INSIDE CAULK (JOINT)
IL	INLINE
IN	INCH
INV	INVERT (ELEVATION)
KES	KITCHEN EQUIPMENT SUPPLIER
KW	KILOWATTS
KWH	KILOWATTS PER HOUR
L	LENGTH
LAV	LAVATORY
LBS	POUNDS
LWT	LEAVING WATER TEMPERATURE
MAX	MAXIMUM
MB	MOP BASIN
MCA	MINIMUM CIRCUIT AMPACITY
MFS	MAXIMUM FUSE SIZE
MOCP	MAXIMUM OVER-CURRENT PROTECTION (AMPS)
MC	MECHANICAL CONTRACTOR
MCC	MOTOR CONTROL CENTER
MIN	MINIMUM
NA	NOT APPLICABLE
NIC	NOT IN CONTRACT
NC	NORMALLY CLOSED
NG	NATURAL GAS
NH	NO-HUB (JOINT)
NO	NORMALLY OPEN
NTS	NOT TO SCALE
ORD	OVERFLOW ROOF DRAIN
P	PRESSURE
PD	PRESSURE DROP
PG	PRESSURE GAUGE
PH	PHASE (ELECTRICAL)
POC	POINT OF CONNECTION
PRV	PRESSURE RELIEF VALVE
PRV	PRESSURE REDUCING VALVE
PSIA	POUNDS PER SQUARE INCH (ABSOLUTE)
PSIG	POUNDS PER SQUARE INCH (GAUGE)
QTY	QUANTITY
R	ROOF MOUNTED
RD	ROOF DRAIN
RLA	RUNNING (RATED) LOAD AMPS
RPM	REVOUTIONS PER MINUTE
SAN	SANITARY WASTE
SD	STORM DRAIN
SF	SQUARE FEET
SHW	SHOWER
SK	SINK
SOI	SAND/OIL INTERCEPTOR
SOW	SAND/OIL WASTE
SV	SANITARY VENT
TOF	TOP OF FOOTING
TOP	TOP OF PIPE
UNO	UNLESS NOTED OTHERWISE
UR	URINAL
VFD	VARIABLE FREQUENCY DRIVE
VTR	VENT THROUGH ROOF
W	WALL MOUNTED
W	WIDTH
W	WATER
W	WATTS
WC	WATER CLOSET
WC	WATER COLUMN (INCHES)
WG	WATER GAUGE
WH	WATER HEATER

	FLOW DIRECTION
	BALL VALVE (BV)
	BUTTERFLY VALVE (BFV)
	BOTTOM OF PIPE TAKEOFF
	TOP OF PIPE TAKEOFF
	CAPPED PIPE
	CLEANOUT
	CONNECT TO EXISTING
	CONNECT TO DISSIMILAR PIPING
	CHECK VALVE (CV)
COND	CONDENSATE (COND)
DCW	DOMESTIC COLD WATER (DCW)
DHW	DOMESTIC HOT WATER (DHW)
DHWR	DOMESTIC HOT WATER RECIRCULATION
E	ELECTRICAL (POWER)
	FLEXIBLE PIPE CONNECTION
	FLOOR DRAIN
	FLOOR SINK
NG	NG (NATURAL GAS)
C	PIPE DOWN (DN)
	PIPE UP (UP)
	PIPE TRANSITION
P	PRESSURE GAUGE (P)
	PRESSURE RELIEF VALVE (PRV)
	PRESSURE REDUCING VALVE (PRV)
SAN	SANITARY WASTE
SV	SANITARY VENT
SD	STORM DRAIN
	TEMPERATURE GAUGE (IN THERMAL WELL)
	UNION (PIPE)
	DI-ELECTRIC UNION (PIPE)
L	VENT THROUGH ROOF
	WALL HYDRANT

PLUMBING GENERAL NOTES

1. THE CONTRACTOR SHALL VISIT THE SITE INCLUDING ALL AREAS INDICATED ON THE DRAWINGS, TO THOROUGHLY FAMILIARIZE HIMSELF/HERSELF WITH THE EXISTING CONDITIONS. CONTRACTOR SHALL VERIFY SAID CONDITIONS AND DIMENSIONS AT JOB SITE PRIOR TO START OF CONSTRUCTION. PRIOR TO INSPECTION OF THE EXISTING FACILITY, THE CONTRACTOR SHALL RECEIVE PERMISSION FOR ACCESS FROM THE OWNER OR THE DESIGNATED REPRESENTATIVE. IF DISCREPANCIES ARE DISCOVERED, THE ENGINEER SHALL BE NOTIFED IMMEDIATELY FOR CLARIFICATION. CONTACT THE ENGINEER TO CLARIFY ANY UNCLEAR DRAWING ITEMS PRIOR TO CONSTRUCTION. PRIOR TO SITE ACCESS, THE CONTRACTOR SHALL BE PROPERLY IDENTIFIED.

2. THE CONTRACTOR SHALL PERFORM ALL WORK REQUIRED IN ACCORDANCE WITH ALL LOCAL, STATE AND FEDERAL CODES, REGULATIONS AND ORDINANCES, AND IN ACCORDANCE WITH ALL OWNER DESIGN AND CONSTRUCTION STANDARDS.

3. IF THE CONTRACTOR DETERMINES AT ANY TIME THAT THE REQUIREMENTS OF THESE CONSTRUCTION DOCUMENTS ARE IN CONFLICT WITH, OR IN VIOLATION OF APPLICABLE LAWS, CODES, REGULATIONS OR ORDINANCES, HE/SHE SHALL NOT PROCEED WITH ANY WORK IN QUESTION, EXCEPT AT HIS/HER OWN RISK, UNTIL THE ENGINEER HAS BEEN NOTIFIED AND A DETERMINATION MADE (IN WRITING). WHERE COMPLETED OR PARTIALLY COMPLETED WORK IS DISCOVERED TO BE IN VIOLATION OF APPLICABLE LAWS, CODES, REGULATIONS OR ORDINANCES, THE CONTRACTOR SHALL BE REQUIRED TO REMOVE THAT WORK FROM THE PROJECT AND REPLACE SUCH WORK WITH ALL NEW COMPLYING WORK AT NO ADDTIIONAL COST TO THE OWNER, THE ARCHITECT OR THE ENGINEER.

4. ALL DRAWINGS AND SPECIFICATIONS ARE TO BE CONSIDERED PART OF THE CONTRACT DOCUMENTS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE REVIEW AND COORDINATION OF ALL DRAWINGS AND SPECIFICATIONS PRIOR TO PERFORMING ANY WORK, INCLUDING ARCHITECTURAL, STRUCTURAL, MECHANICAL, PLUMING AND ELECTRICAL DOCUMENTS.

5. THE CONTRACTOR SHALL COORDINATE ALL WORK WITH OTHER TRADES AND OTHER CONTRACTORS.

6. ABBREVIATIONS & SYMBOLS USED ON THE DRAWINGS ARE THOSE IN COMMON USE. THE ENGINEER SHALL DEFINE THE INTENT OF ANY IN QUESTION.

7. ANY ITEM EXPOSED DURING DEMOLITION AND/OR NEW WORK THAT IS NOT BEING REUSED, SHALL BE REMOVED AND SCRAPPED-OUT. ITEMS MAY INCLUDE ITEMS PREVIOUSLY NOT REMOVED. ITEMS REMOVED SHALL BE SCRAPPED-OUT IMMEDIATELY AND NOT STOCKPILED ON SITE.

8. ALL PENETRATIONS OF PIPING THROUGH FIRE/SMOKE-RATED ASSEMBLIES SHALL BE SEALED WITH UL APPROVED RESILIENT FIRE-RETARDANT SEALANT.

9. ALTHOUGH EQUIPMENT AND PIPING INDICATED ON THE DRAWINGS HAVE BEEN DRAWN TO SCALE, AND ARE GENERALLY DIMENSIONALLY ACCURATE, THE CONTRACTOR SHALL FIELD VERIFY ALL DIMENSIONS AND NOT SCALE THE DRAWINGS. THIS IS ESPECIALLY TRUE REGARDING EXISTING EQUIPMENT OR PIPING TO REMAIN.

10. ALL MATERIAL AND EQUIPMENT REMOVED BY DEMOLITION SHALL BE REMOVED FROM THE SITE ON A DAILY BASIS (NO STOCK PILING).

11. HANDLE, STORE AND INSTALL ALL NEW EQUIPMENT AND PIPING PER MANUFACTURERS INSTRUCTIONS.

12. ALL ITEMS NOTED TO BE REMOVED AND REUSED (RELOCATED) SHALL BE HANDLED WITH PROPER CARE AND STORED IN A SAFE PLACE TO PREVENT DAMAGE, OR THEY WILL BE REPLACED AT THE CONTRACTOR'S EXPENSE.

13. ALL SAFETY MEASURES WHILE ON SITE ARE THE DIRECT RESPONSIBILITY OF THE CONTRACTOR. THIS INCLUDES THE USE OF LADDERS, SCAFFOLDING, TOOLS, EQUIPMENT, TRENCHING, ETC.

14. ALL DUST, NOISE AND ODORS SHALL BE CONTROLLED BY THE CONTRACTOR PER OWNERS' REQUIREMENTS.

15. LEGAL EXITS SHALL NOT BE BLOCKED AT ANY TIME WITH MATERIALS OR EQUIPMENT, TEMPORARILY OR PERMANENTLY.

16. ALL DOMESTIC HOT WATER AND RECIRCULATING HOT WATER PIPING SHALL BE INSULATED AS SPECIFIED (JACKETED IN EXPOSED LOCATIONS).

17. IN GENERAL, ALL PIPING SHALL BE RUN CONCEALED ABOVE SUSPENDED CEILINGS, IN SHAFTS OR IN SOFFITS UNLESS NOTED OR INDICATED OTHERWISE.

18. PROVIDE ALL REQUIRED SLEEVES OR OPENINGS WHERE PIPES PASS THROUGH FONDATIONS, FLOOR SLABS, WALLS, ROOFS, ETC.

19. ACCESS SHALL BE PROVIDED AT ALL VALVES AND EQUIPMENT. PROVIDE ACCESS DOORS AS REQUIRED. EACH ACCESS DOOR SHALL BE A MINIMUM OF 24"x24" UNLESS INDICATED OTHERWISE, AND SHALL BE FIRE-RATED IF REQUIRED TO MAINTAIN THE FIRE-RATING OF THE ASSEMBLY IN WHICH THE ACCESS DOOR IS INSTALLED.

20. ROUGH-IN AND CONNECT TO ALL EQUIPMENT PROVIDED BY OTHERS. PROVIDE REQUIRED TRAPS, SUPPLIES AND STOPS.

PLUMBING DRAWING INDEX

P1.00 PLUMBING TITLE SHEET

P1.01 PLUMBING SCHEDULES

P1.02 PLUMBING SCHEDULES

P1.10 PLUMBING FOUNDATION LOWER LEVEL PLAN

P1.20 PLUMBING FOUNDATION LEVEL 1 PLAN

P2.00 PLUMBING LOWER LEVEL PLAN

P2.01 PLUMBING LEVEL 1 PLAN

P2.02 PLUMBING SECOND THROUGH SIXTH FLOOR PLANS

P2.03 PLUMBING ROOF PLAN

P4.00 PLUMBING RISER DIAGRAMS

P5.00 PLUMBING ENLARGED PLANS

P6.00 PLUMBING DETAILS

APPLICABLE CODES

APPLICABLE CODES, STANDARDS, GUIDELINES AND AHJs

2013 CALIFORNIA BUILDING CODE
2013 CALIFORNIA MECHANICAL CODE
2013 CALIFORNIA PLUMBING CODE
2013 CALIFORNIA ELECTRICAL CODE
2013 CALIFORNIA ENERGY CODE
2013 CALIFORNIA FIRE CODE
2013 CALGREEN
CE NATIONAL FIRE PROTECTION ASSOCIATION (NFPA)
CE AMERICANS WITH DISABILITIES ACT (ADA)
UCI UNIVERSITY OF CALIFORNIA - IRVINE

*CE - CURRENT EDITION

MECHANICAL/PLUMBING ANCHORAGE

ALL MECHANICAL AND PLUMBING COMPONENTS SHALL BE ANCHORED AND INSTALLED PER THE DETAILS IN/ON THE CONSTRUCTION DOCUMENTS. WHERE NO DETAIL IS PROVIDED, THE FOLLOWING COMPONENTS SHALL BE ANCHORED OR BRACED TO MEET THE FORCE AND DISPLACEMENT REQUIREMENT PRESCRIBED IN THE 2013 CBC, SECTIONS 1615A.1.12 THROUGH 1615A.1.22, AND ASCE 7-05, CHAPTER 6 & 13.

1. ALL PERMANENT EQUIPMENT AND COMPONENTS.

2. TEMPORARY OR MOVABLE EQUIPMENT THAT IS PERMANTENTLY ATTACHED (I.E. HARD WIRED) TO THE BUILDING UTILITY SERVICES SUCH AS GAS OR WATER.

3. MOVABLE EQUIPMENT WHICH IS STATIONED IN ONE PLACE FOR MORE THAN 8 HOURS AND HEAVIER THAN 400 POUNDS (PROVIDE TEMPORARY ATTACHMENTS).

THE ATTACHMENT OF THE FOLLOWING MECHANICAL AND PLUMBING COMPONENTS SHALL BE POSITIVELY ATTACHED TO THE STRUCTURE. THESE COMPONENTS SHALL BE PROVIDED WITH FLEXIBLE CONNECTORS BETWEEN THE COMPONENT AND THE ASSOCIATED DUCTWORK OR PIPING.

1. COMPONENTS WEIGHING LESS THAN 400 POUNDS WITH A CENTER OF MASS LOCATED 4 FEET OR LESS ABOVE THE ADJACENT FLOOR OR ROOF LEVEL.

2. COMPONENTS WEIGHING LESS THAN 20 POUNDS, OR IN THE CASE OF DISTRIBUTED SYSTEMS (I.E. DUCTWORK OR PIPING), LESS THAN 5 POUNDS PER FOOT (THOSE COMPONENTS THAT ARE SUPPORTED FROM A ROOF, A FLOOR OR FROM A WALL).

FOR THOSE ELEMENTS/COMPONENTS THAT DO NOT REQUIRE SPECIFIC DETAILS IN/ON THE CONSTRUCTION DOCUMENTS, THE INSTALLATION SHALL BE SUBJECT TO APPROVAL BY THE STRUCTURAL ENGINEER OF RECORD. THE PROJECT INSPECTOR WILL VERIFY THAT ALL COMPONENTS AND EQUIPMENT HAVE BEEN ANCHORED IN ACCORDANCE WITH THESE REQUIREMENTS.

PIPING AND DUCTWORK DISTRIBUTION SYSTEMS SHALL BE BRACED TO COMPLY WITH THE FORCES AND DISPLACEMENTS PRESCRIBED IN ASCE 7-05, SECTIONS 13.3, 13.6.5.6, 13.6.7 AND 13.6.8, AND THE 2013 CBC, SECTIONS 1615A1.20, 1615A1.21 AND 1615A1.22.

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ARCHITECT SEAL

TITLE
PLUMBING TITLE SHEET

PROJECT NO.
13292.00
DATE
MAY 30, 2014

SHEET NUMBER
P1.00
DESIGN DEVELOPMENT

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ORIGINAL SHEET SIZE: 30" x 42"

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PLUMBING FIXTURE UNIT CALCULATIONS - GREASE

FIXTURE TYPE	WATER FU	WASTE FU	NUMBER OF FIXTURES	TOTAL WATER FU	TOTAL WASTE FU	
					BLACK WATER	GRAY WATER
FLOOR SINK (FS)	*	6	59	*	354	*
TRENCH DRAIN (TD)	*	6	7	*	42	*
MOP SINK (MS)	*	3	17	*	51	*
HAND SINK (HS)	*	3	3	*	9	*
TOTAL					456	
GREASE INTERCEPTOR GALLONS (2)					5000	
GREASE INTERCEPTOR PIPE SIZE (3)					6 INCH	

REMARKS

1. THE FIXTURES LISTED ARE EXTRACTED DIRECTLY FOM THE KES LIST, AND ALL ARE SOURCES OF GREASE WASTE, ESPECIALLY THE HAND SINKS, MOP SINKS, DISH WASHER, ETC.
2. GREASE INTERCEPTOR CAPACITY BASED UPON THE 2013 CPC, ARTICLE 1014.3 & TABLE 1014.3.6.
3. GREASE INTERCEPTOR PIPE SIZE BASED UPON 2013 CPC, TABLE 703.2 & ARTICLE 703.2.

LEGEND

FU	FIXTURE UNIT
FS	FLOOR SINK
TD	TRENCH DRAIN
MS	MOP SINK
HS	HAND SINK
NA	NOT APPLICABLE

PLUMBING FIXTURE SCHEDULE

UNIT TAG #	MANUFACTURER	MODEL NO.	DESCRIPTION	ACCESSORY #1	ACCESSORY #2	REMARKS
WC1	KOHLER	K-4325	WHITE, VITROUS CHINA, ELONGATED BOWL, SIPHON JET, WALL-MOUNT, 1 1/2 INCH TOP SPUD, 1.28 GPF - STANDARD HEIGHT INSTALLATION	SLOAN CROWN #111-1.28 EXPOSED, FLUSHOMETER, TOP-SPUD, CHROME-PLATED, 1 1/2 INCH TOP-SPUD, NON-HOLD-OPEN HANDLE,1.28 GPF	STRONGHOLD #K-4731-SA, WHITE, ELONGATED OPEN-FRONT SEAT, SELF-SUSTAINING CHECK HINGE AND ANTI-MICROBIAL AGENT	
WC2 (ADA)	KOHLER	K-4325	WHITE, VITROUS CHINA, ELONGATED BOWL, SIPHON JET, WALL-MOUNT, 1 1/2 INCH TOP SPUD, 1.28 GPF - ADA HEIGHT INSTALLATION	SLOAN CROWN #111-1.28 EXPOSED, FLUSHOMETER, TOP-SPUD, CHROME-PLATED, 1 1/2 INCH TOP-SPUD, NON-HOLD-OPEN HANDLE, ADA COMPLIANT, 1.28 GPF	STRONGHOLD #K-4731-SA, WHITE, ELONGATED OPEN-FRONT SEAT, SELF-SUSTAINING CHECK HINGE AND ANTI-MICROBIAL AGENT	
WC3	KOHLER	K-4325	WHITE, VITROUS CHINA, ELONGATED BOWL, SIPHON JET, WALL-MOUNT, 1 1/2 INCH TOP SPUD, 1.28 GPF - ADA HEIGHT INSTALLATION	ZURN #ZEMS6000AV-HET AQUAVANTAGE "AV" HARDWIRED AUTOMATIC SENSOR FLUSH VALVE, EXPOSED, TOP-SPUD, CHROME-PLATAED, 1 1/2 INCH TOP-SPUD, 1.28 GPF, MANUAL PUSH-BUTTON OVERRIDE	STRONGHOLD #K-4731-SA, WHITE, ELONGATED OPEN-FRONT SEAT, SELF-SUSTAINING CHECK HINGE AND ANTI-MICROBIAL AGENT	
WC4 (ADA)	KOHLER	K-4325	WHITE, VITROUS CHINA, ELONGATED BOWL, SIPHON JET, WALL-MOUNT, 1 1/2 INCH TOP SPUD, 1.28 GPF - ADA HEIGHT INSTALLATION	ZURN #ZEMS6000AV-HET AQUAVANTAGE "AV" HARDWIRED AUTOMATIC SENSOR FLUSH VALVE, EXPOSED, TOP-SPUD, CHROME-PLATED, 1 1/2 INCH TOP-SPUD, 1.28 GPF, MANUAL PUSH-BUTTON OVERRIDE	STRONGHOLD #K-4731-SA, WHITE, ELONGATED OPEN-FRONT SEAT, SELF-SUSTAINING CHECK HINGE AND ANTI-MICROBIAL AGENT	
UR1	KOHLER	K-4904-ET	WHITE, VITROUS CHINA, WASHOUT FLUSHING ACTION, 3/4 INCH TOP SPUD, EXTENDED RIM, 0.125 GPF, HIGH EFFICIENCY URINAL (HEU) - STANDARD HEIGHT INSTALLATION	ZURN #ZEMS6003AV-UFL-IS AQUASENSE "AV" SENSOR OPERATED, HARD-WIRED, 0.125 GPF HIGH EFFICIENCY FLUSH VALVE, CHROME-PLATED, TOP-SPUD, WITH TRANSFORMER	NA	
UR2 (ADA)	KOHLER	K-4904-ET	WHITE, VITROUS CHINA, WASHOUT FLUSHING ACTION, 3/4 INCH TOP SPUD, EXTENDED RIM, 0.125 GPF, HIGH EFFICIENCY URINAL (HEU) - ADA HEIGHT INSTALLATION	ZURN #ZEMS6003AV-UFL-IS AQUASENSE "AV" SENSOR OPERATED, HARD-WIRED, 0.125 GPF HIGH EFFICIENCY FLUSH VALVE, CHROME-PLATED, TOP-SPUD, WITH TRANSFORMER	NA	
LAV1	KOHLER	K-2211	WHITE, VITROUS CHINA, 19"X15" UNDER-MOUNT, WITH OVERFLOW, WITH CLAMPS, APPROXIMATE 6 INCH DEEP BOWL	CHICAGO FAUCET #2200-E2805ABCP, LEAD-FREE, CHROME-PLATED, SINGLE-HOLE DECK-MOUNTED, LEVER FAUCET, 0.5 GPM VANDAL-PROOF NON-AERATING SPRAY	GRID STRAINER, CHROME TAILPIECE & P-TRAP, SUPPLY FITTINGS, STOPS, PROTECTIVE SHIELDING GUARDS	
LAV2 (ADA)	KOHLER	K-2211	WHITE, VITROUS CHINA, 19"X15" UNDER-MOUNT, WITH OVERFLOW, WITH CLAMPS, APPROXIMATE 6 INCH DEEP BOWL, ADA COMPLIANT	CHICAGO FAUCET #2200-E2805ABCP, LEAD-FREE, CHROME-PLATED, SINGLE-HOLE DECK-MOUNTED, LEVER FAUCET, 0.5 GPM VANDAL-PROOF NON-AERATING SPRAY, ADA COMPLIANT, ASME 112.18.1	GRID STRAINER, CHROME TAILPIECE & P-TRAP, SUPPLY FITTINGS, STOPS, PROTECTIVE SHIELDING GUARDS	
LAV3	KOHLER	K2211	WHITE, VITROUS CHINA, 19"X15" UNDER-MOUNT, WITH OVERFLOW, WITH CLAMPS, APPROXIMATE 6 INCH DEEP BOWL	CHICACO FAUCET #116.111.AB.1, DECK-MOUNTED, SINGLE-HOLE, INFRARED SENSOR, 0.5 GPM NON-AERATING SPRAY, DUAL SUPPLY WITH INTEGRAL TEMPERATURE CONTROL MIXER, 12 VOLT AC TRANSFORMER, LEAD-FREE PER NSF/ANSI 61 & 372, ADA-APPROVED, CALGREEN APPROVED, CHROME-PLATED SOLID BRASS	GRID STRAINER, CHROME TAILPIECE & P-TRAP, SUPPLY FITTINGS, STOPS, PROTECTIVE SHIELDING GUARDS	
SHW1	SPEAKMAN	SENTINEL-PRO SM-5000	CONCEALED, ANTI-SCALD THERMOSTATIC/PRESSURE-BALANCED SHOWER VALVE WITH CHROME-PLATED BRASS WALL PLATE, LEVER HANDLE, SET AT 110 F, 1.5 GPM	WITH S-2272-E15 SINGLE FUNCTION 1.5 GPM SHOWER HEAD	WITH SHOWER ARM AND FLANGE	
SHW2 (ADA)	SPEAKMAN	SENTINEL-PRO SM-5000	CONCEALED, ANTI-SCALD THERMOSTATIC/PRESSURE-BALANCED SHOWER VALVE WITH CHROME-PLATED BRASS WALL PLATE & LEVER HANDLE, SET AT 110 F, 1.5 GPM	WITH SWS-1002 POLISHED CHROME, 24 INCH NEO-CURVED WATER SLIDE BAR & ADJUSTABLE HEIGHT HAND SHOWER HOLDER, VS-3010 SHOWERHEAD & 48 INCH HOSE WITH VACCUM BREAKER, 2.5 GPM	NA	
SK1	ELKAY	DLR221910PD	TYPE 304, 18-GAUGE NICKEL-BEARING STAINLESS STEEL SINK, TOP-MOUNT, RADIUS CORNERS, 10 1/8 INCH DEEP BOWL, RIM HEIGHT = 3/16 INCH, SATIN FINISH, FULLY UNDERCOATED, 3 3/8 INCH DRAIN OPENING, ASME 112.19.3-2008, 2-HOLE	CHICAGO FAUCET #2302-E2805-5ABCP, LEAD-FREE, CHROME-PLATED, 2-HOLE DECK-MOUNTED LEVER, 5 1/4 INCH RIGID/SWING GOOSENECK FAUCET, 0.5 GPM VANDAL-PROOF NON-AERATING SPRAY, ADA COMPLIANT, ASME A112.18.1	LK#35 CRUMB-CUP STRAINER, CHROME TAILPIECE & P-TRAP, SUPPLY FITTINGS, STOPS, PROTECTIVE SHIELDING GUARDS	
SK2	TBV WITH KES	TBV WITH KES	TBV WITH KES	TBV WITH KES	TBV WITH KES	
SK3	TBV WITH KES	TBV WITH KES	TBV WITH KES	TBV WITH KES	TBV WITH KES	
DF1	ELKAY	LZWS-EDFPBM117K	NON-CHILLED DRINKING FOUNTAIN WITH INTEGRAL 1.5 GPM BOTTLE-FILLING STATION; STAINLESS STEEL, 3000 GALLON CAPACITY FILTER, BI-LEVEL PER ADA, PUSH-BUTTON, FLEXI-GUARD BUBBLERS, LEAD-FREE PER NSF/ANSI 61 & 372, WALL-MOUNTING PLATE	NA	NA	
DF2	ELKAY	EDFPBM117C	NON-CHILLED DRINKING FOUNTAIN; STAINLESS STEEL, BI-LEVEL PER ADA, PUSH-BUTTON, FLEXI-GUARD BUBBLERS, LEAD-FREE PER NSF/ANSI 61 & 372, WALL-MOUNTING PLATE	NA	NA	
FD1	ZURN	Z415B-P	DURA-COATED, CAST IRON BODY WITH BOTTOM OUTLET, MEMBRANE CLAMP AND ADJUSTABLE COLLAR WITH SEEPAGE SLOTS, TYPE B POLISHED NICKEL-BRONZE STRAINER, 6 INCH STRAINER, WITH 1/2 INCH TRAP PRIMER CONNECTION	NA	NA	
FD2	ZURN	Z415B-P	DURA-COATED, CAST IRON BODY WITH BOTTOM OUTLET, MEMBRANE CLAMP AND ADJUSTABLE COLLAR WITH SEEPAGE SLOTS, TYPE B POLISHED NICKEL-BRONZE STRAINER, 8 INCH STRAINER, WITH 1/2 INCH TRAP PRIMER CONNECTION	NA	NA	
FD3	ZURN	Z415SH-P	DURA-COATED, CAST IRON BODY WITH BOTTOM OUTLET, MEMBRANE CLAMP AND ADJUSTABLE COLLAR WITH SEEPAGE SLOTS, TYPE SH POLISHED NICKEL-BRONZE, SQUARE-HINGED, STRAINER, 8 x 8 STRAINER, WITH 1/2 INCH TRAP PRIMER CONNECTION	NA	NA	
FS1	ZURN	Z1900-P-2-33	12 x 12 x 6 DEEP CAST IRON BODY WITH BOTTOM OUTLET, WHITE ACID RESISTANT ENAMEL (A.R.E.) INTERIOR, WITH SQUARE 1/2 GRATE WITH SLOTTED OPENINGS, A.R.E. INTERIOR AND TOP, WITH 1/2 TRAP PRIMER CONNECTION AND WHITE A.R.E. ANTI-SPLASH BOTTOM DOME STRAINER	NA	NA	
FS2	ZURN	Z1901-P-2-33	12 x 12 x 8 DEEP CAST IRON BODY WITH BOTTOM OUTLET, WHITE ACID RESISTANT ENAMEL (A.R.E.) INTERIOR, WITH SQUARE 1/2 GRATE WITH SLOTTED OPENINGS, A.R.E. INTERIOR AND TOP, WITH 1/2 TRAP PRIMER CONNECTION AND WHITE A.R.E. ANTI-SPLASH BOTTOM DOME STRAINER	NA	NA	
FS3	ZURN	Z1920-P-2-33	16 x 16 x 7 INCH DEEP CAST IRON BODY WITH BOTTOM OUTLET, WHITE ACID RESISTANT COATING (A.R.C) INTERIOR, WITH SQUARE 1/2 GRATE WITH SLOTTED OPENINGS, A.R.C. INTERIOR AND TOP, WITH 1/2 INCH TRAP PRIMER CONNECTION AND WHITE A.R.C. ANTI-SPLASH BOTTOM DOME STRAINER	NA	NA	
CO1	ZURN	ZN1400	4 INCH ADJUSTABLE CLEANOUT WITH 7 1/4 INCH DIA. POLISHED NICKEL-BRONZE TOP; DURA-COATED CAST IRON BODY WITH GAS & AIRTIGHT ABS TAPERED THREADED PLUG; ADJUSTABLE TO FINISHED FLOOR	NA	NA	
CO2	ZURN	Z1400	4 INCH ADJUSTABLE CLEANOUT WITH 7 1/4 INCH DIA. DURA-COATED CAST IRON TOP; DURA-COATED CAST IRON BODY WITH GAS & AIRTIGHT ABS TAPERED THREADED PLUG; ADJUSTABLE TO FINISHED GRADE	NA	NA	
CO3	ZURN	Z1440	4 OR 6 INCH CLEANOUT FERRULE WITH PLUG, DURA-COATED CAST IRON BODY, GAS AND WATERTIGHT ABS TAPERED THREADED PLUG, NO-HUB OR HUB & SPIGOT	NA	NA	
GI	JENSEN	JZ5000EE-G	5000 GALLON, PRECAST CONCRETE TWO (2) COMPARTMENT GREASE INTERCEPTOR; THREE (3) 24 INCH DIA. CAST IRON FRAMES AND COVERS WITH GASKET (GASTIGHT); MANHOLE RISERS AS REQUIRED; 4 INCH PIPE AND FITTINGS (INSIDE); H20 DESIGN LOAD; INSTALLATION PER MANUFACTURERS INSTRUCTIONS	JENSEN #2432Z SAMPLE BOX WITH Z-LOK PIPE CONNECTORS; 24 INCH DIA. CAST IRON FRAME AND COVER WITH GASKET (GASTIGHT); MANHOLE RISERS AS REQUIRED; 4 INCH PIPE CONNECTIONS; H20 DESIGN LOADING; INSTALL PER MFRS INSTRUCTIONS	NA	1

LEGEND		REMARKS
FD	FLOOR DRAIN	1. UNIT DIMENSIONS = 7'-8"W x 16'-7"L x 7'-11"H
FS	FLOOR SINK	
CO	CLEANOUT	
IC	INSIDE CAULK	
NL	NEO-LOC	
NH	NO-HUB	
WC	WATER CLOSET	
UR	URINAL	
LAV	LAVATORY	
SK	SINK	
GI	GREASE INTERCEPTOR	
SOI	SAND/OIL INTERCEPTOR	
KES	KITCHEN EQUIPMENT SUPPLIER	

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PROJECT NO.
13292.00
DATE
MAY 30, 2014

SHEET NUMBER
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DOMESTIC WATER HEATER SCHEDULE

UNIT NO.	MANUFACTURER	MODEL NO.	TYPE	CAPACITY (BTUH)		EFFICIENCY (%)	WATER FLOW (GPM)			TEMPERATURES (F)		CONNECTIONS (IN)					ELECTRICAL			REMARKS
				INPUT	OUTPUT		MIN.	MAX.	ACT.	EWT	LWT	SUPPLY	RETURN	GAS	INTAKE	EXH.	VOLT	PH	FLA	
1	AERCO INNOVATION	INN 1350	DCW / NG	1350000	1310000	97	0	50	26.2	40	140	2	2	1	6	6	120	1	9	1, 2, 3, 4, 5
2	AERCO INNOVATION	INN 1350	DCW / NG	1350000	1310000	97	0	50	26.2	40	140	2	2	1	6	6	120	1	9	1, 2, 3, 4, 5
3	AERCO INNOVATION	INN 1350	DCW / NG	1350000	1310000	97	0	50	26.2	40	140	2	2	1	6	6	120	1	9	1, 2, 3, 4, 5
4	AERCO INNOVATION	INN 1350	DCW / NG	1350000	1310000	97	0	50	26.2	40	140	2	2	1	6	6	120	1	9	1, 2, 3, 4, 5
5	AERCO INNOVATION	INN 1350	DCW / NG	1350000	1310000	97	0	50	26.2	40	140	2	2	1	6	6	120	1	9	1, 2, 3, 4, 5

DCW	DOMESTIC COLD WATER	1	ASME SECTION IV, MAX. ALLOWED WORKING PRESSURE = 160 PSIG; ASME, UL.
NG	NATURAL GAS	2	TURNDOWN = 30:1.
P	PROPANE	3	PRESSURE DROP = 1.5 PSIG @ 30 GPM.
E	ELECTRIC	4	VENT MATERIALS = AL29-4C POLYPRO.
WH	WATER HEATER	5	WEIGHT = 1222 LBS; DIMENSIONS = 28"W x 52"D x 76"H.

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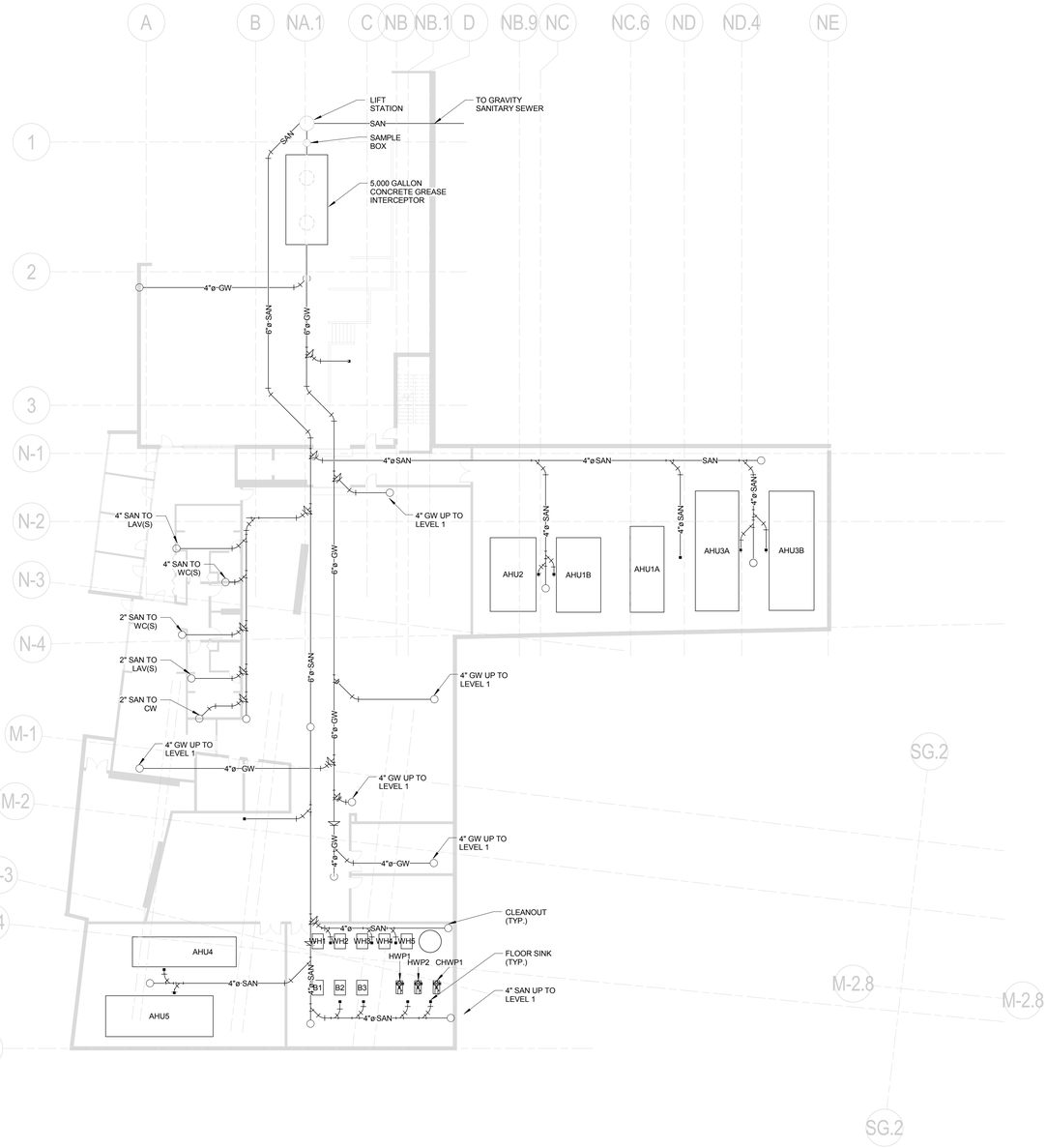
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996296

KEYMAP

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TITLE
PLUMBING FOUNDATION PLAN - LOWER LEVEL

PROJECT NO.
13292.00

DATE
MAY 30, 2014

SHEET NUMBER
P1.10

Project Status

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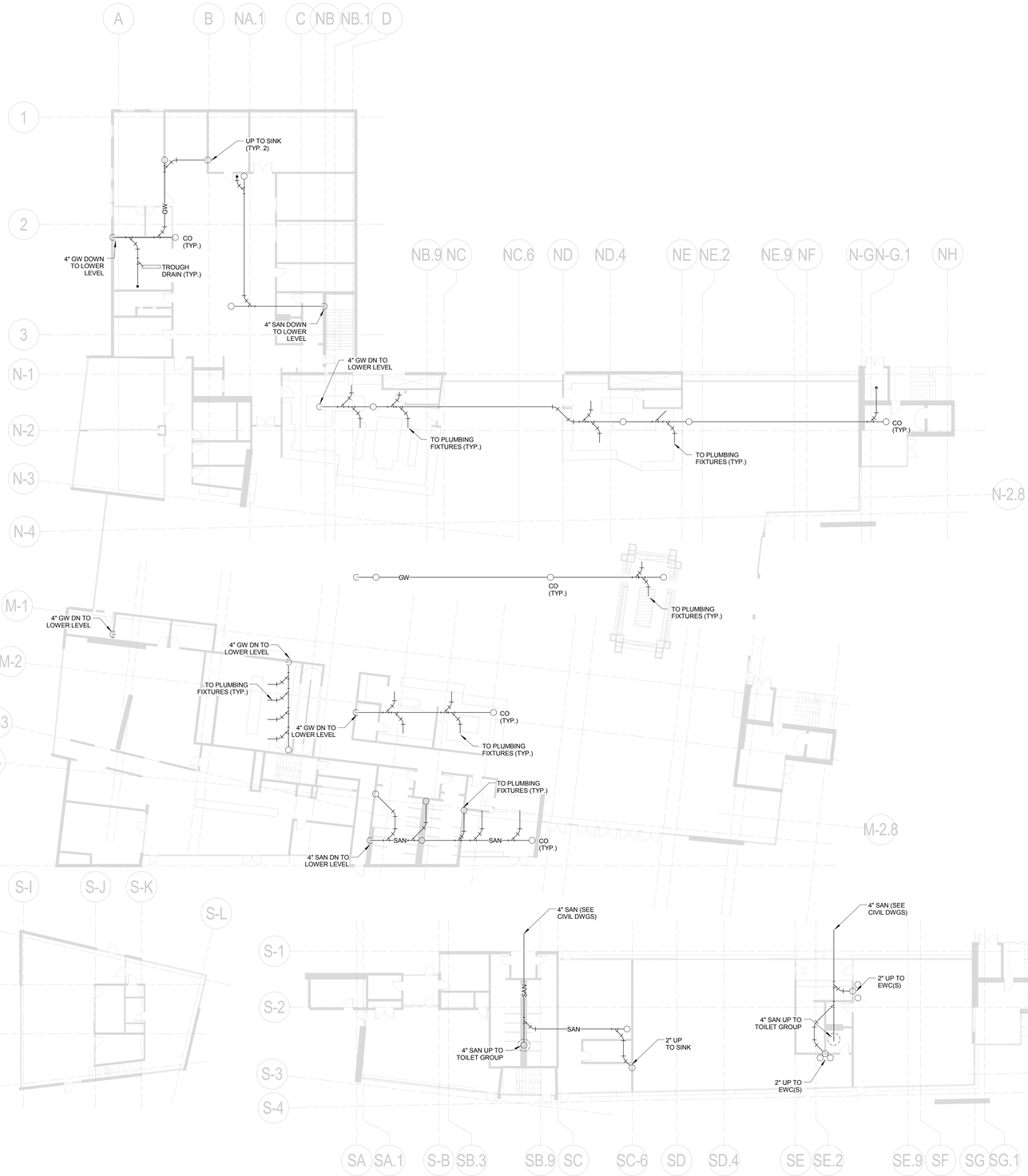
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PROJECT NO.
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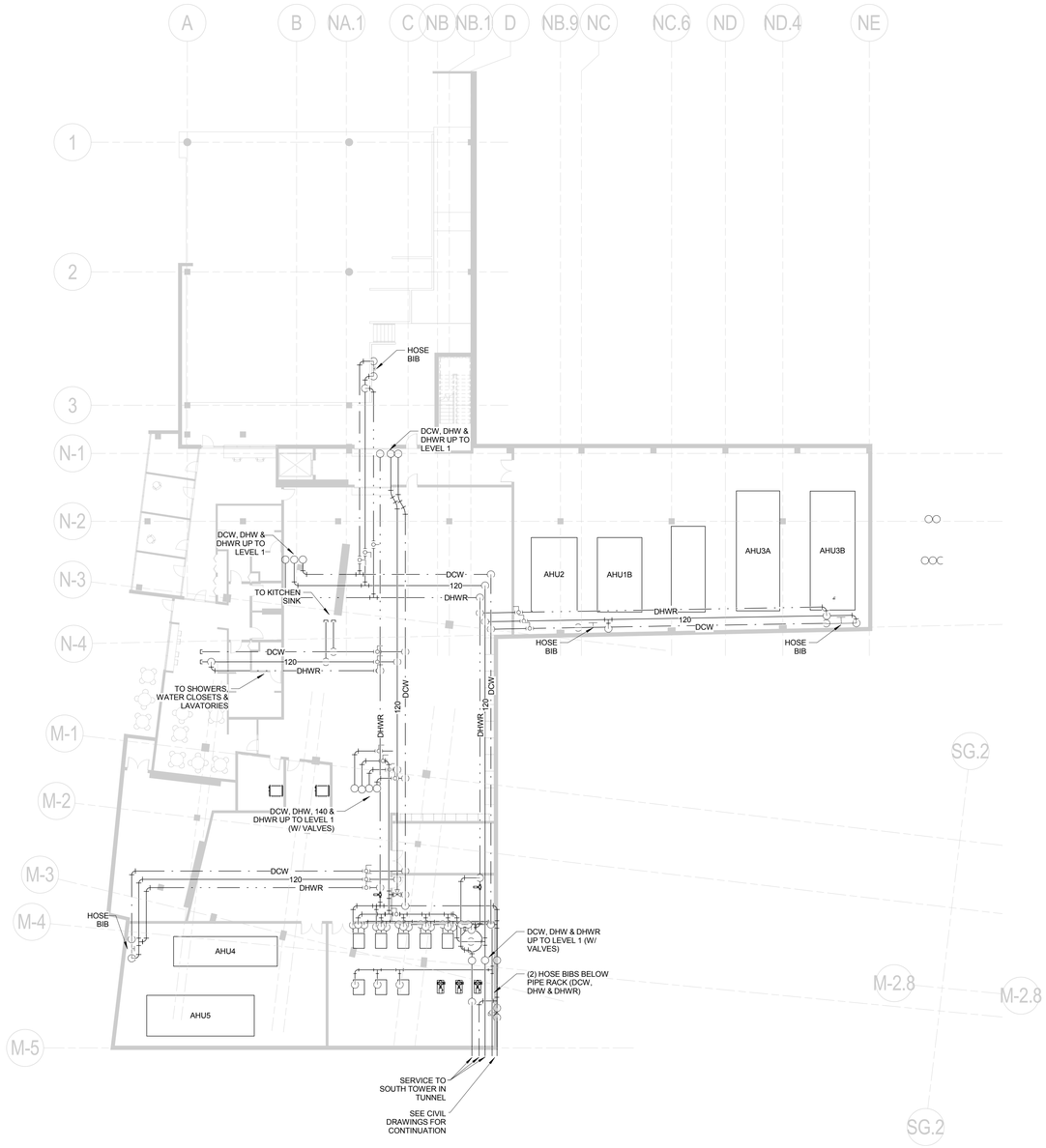
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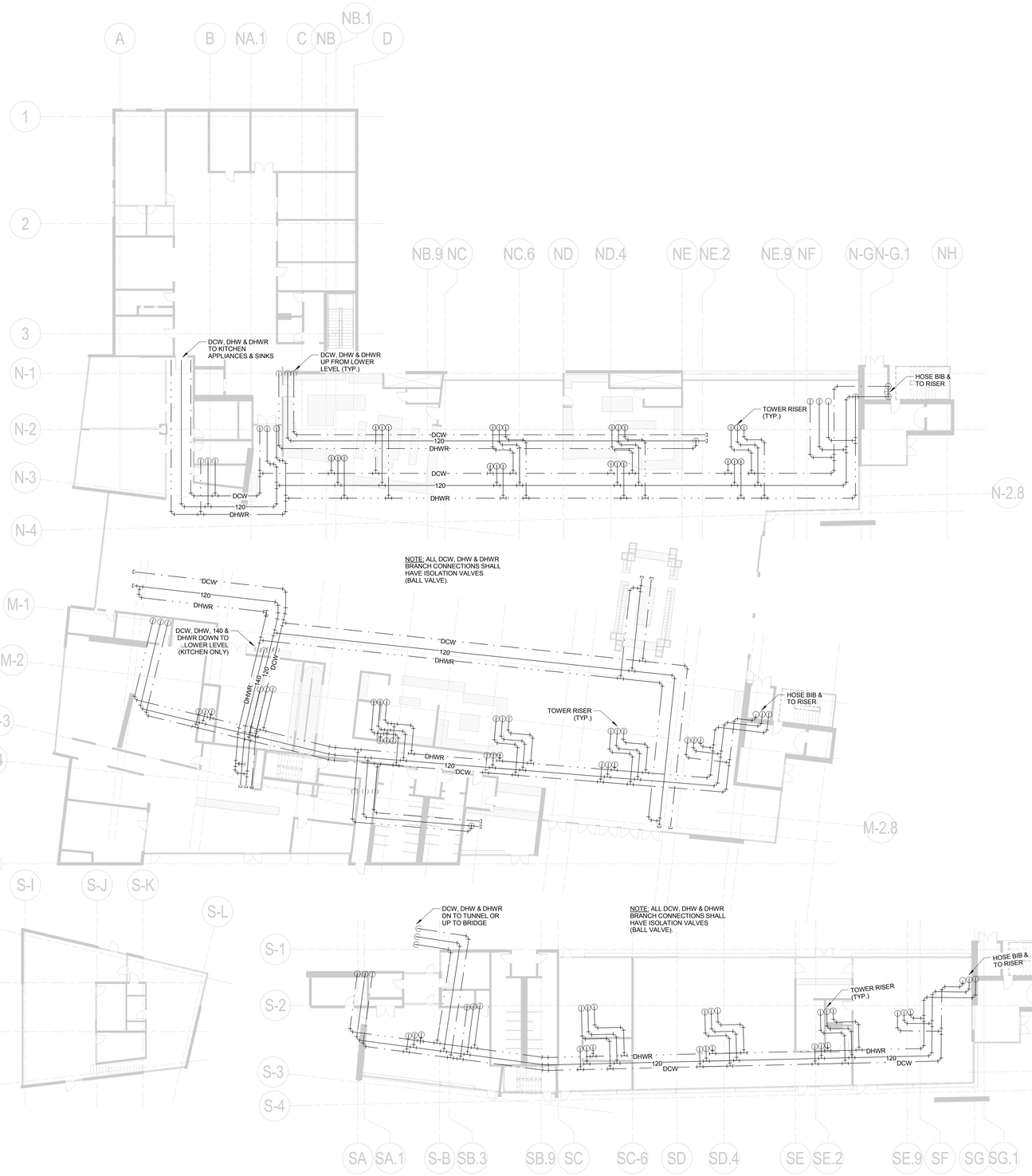
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PROJECT NO.
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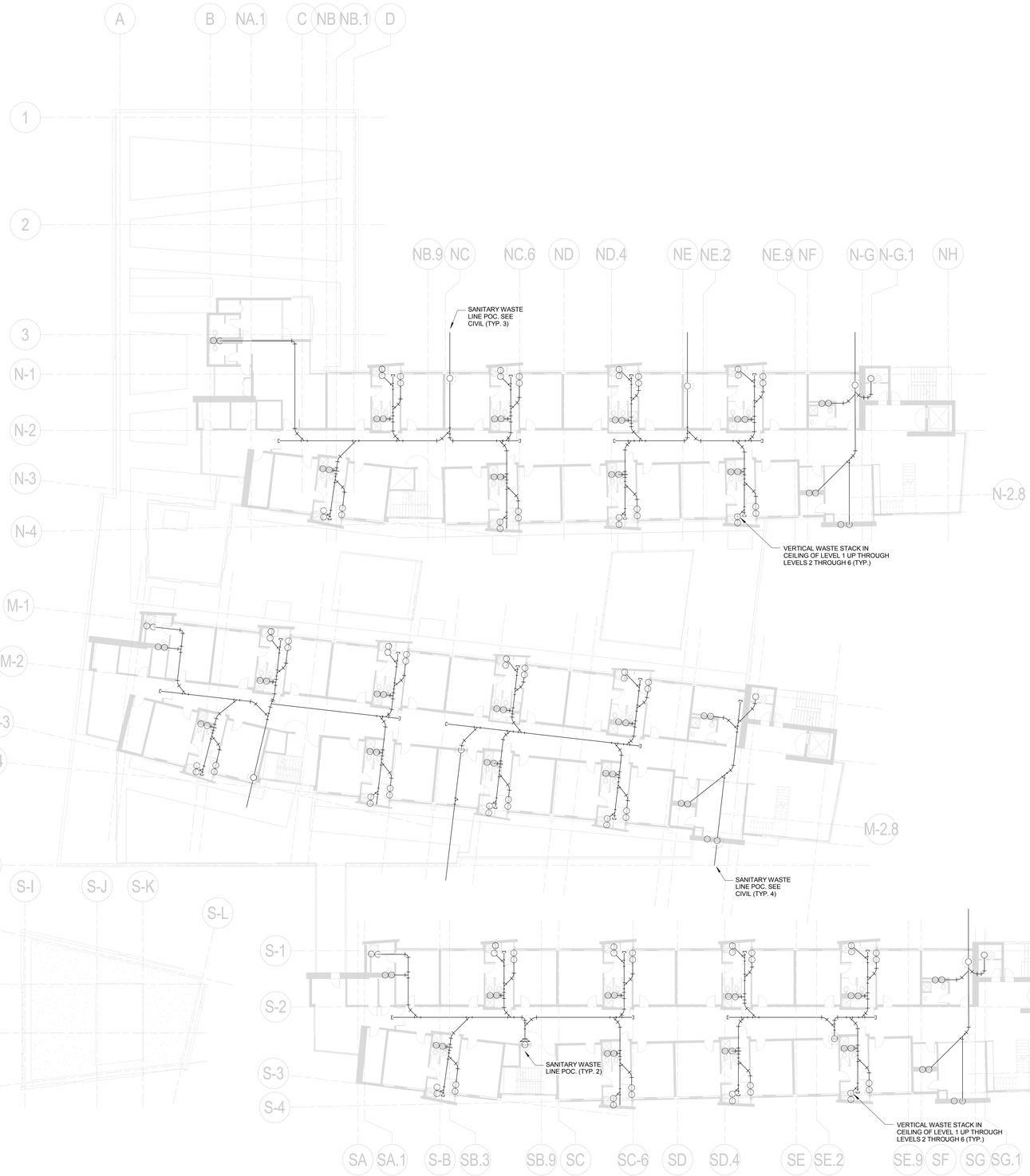
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PLUMBING LEVELS 2 - 6 PLAN

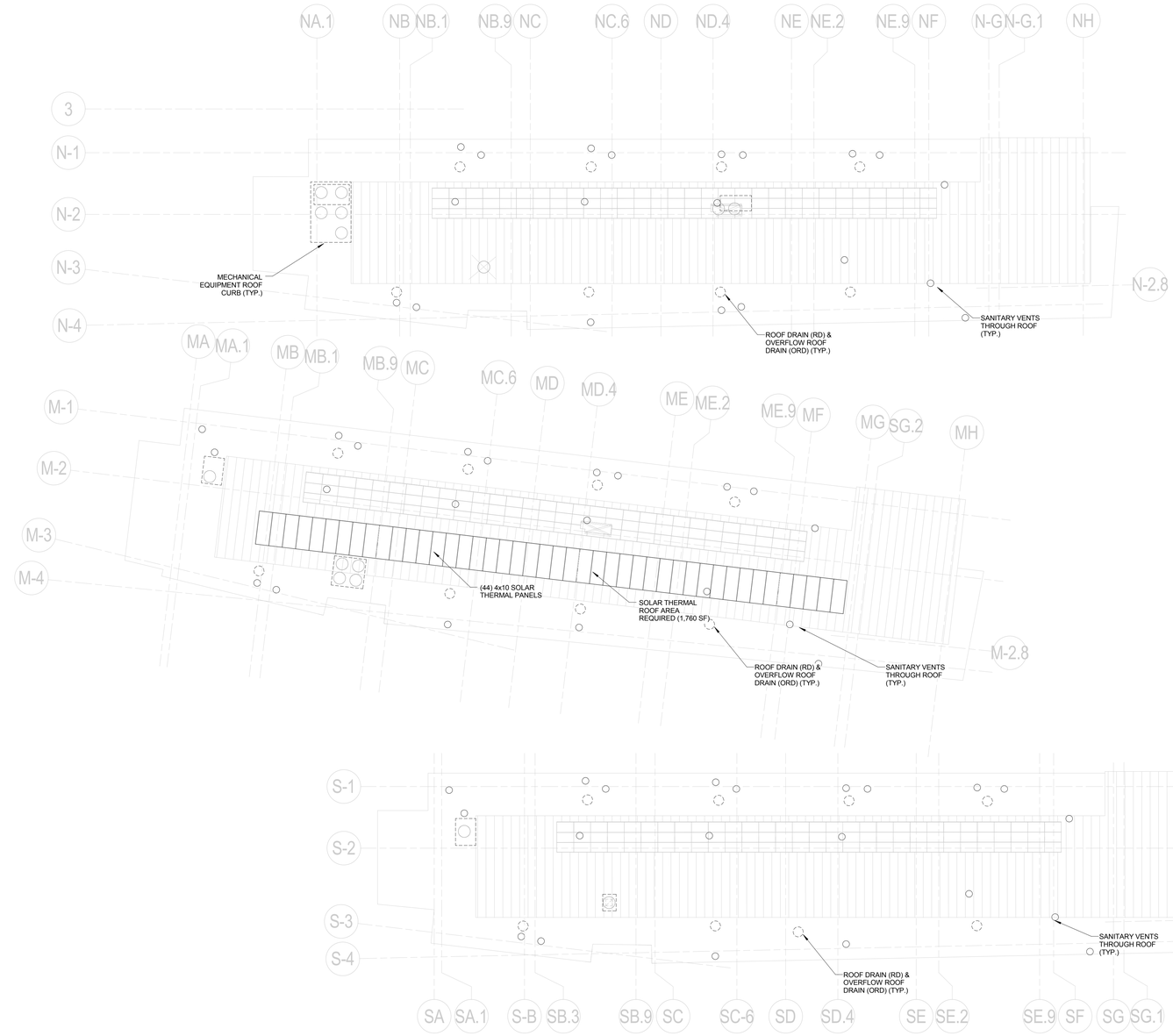
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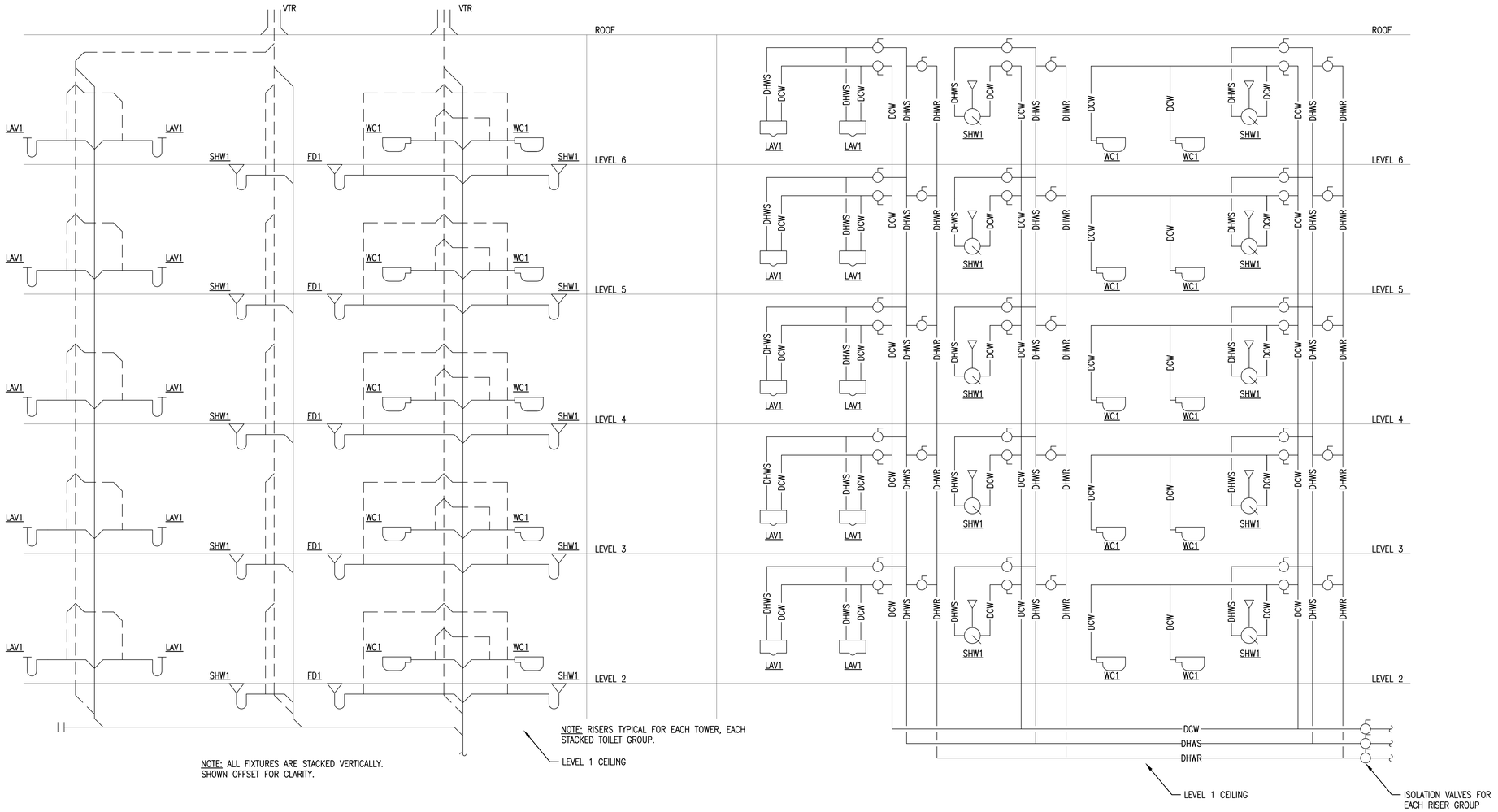
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PROJECT
MESA COURT EXPANSION

LOCATION
IRVINE, CA

PREPARED FOR
UCI
University of California, Irvine
Design & Construction Services
5201 California Ave Suite 250
Irvine, CA 92697

UCI PROJECT NO.
996296

KEYMAP

NO.	DATE	REVISION

PROJECT DIRECTOR

PROJECT MANAGER

PROJECT ARCHITECT

PROJECT TEAM MEMBERS

CHECK

ARCHITECT SEAL

APRIL 1, 2014
996296

TITLE
PLUMBING RISER DIAGRAMS

PROJECT NO.
13292.00

DATE
MAY 30, 2014

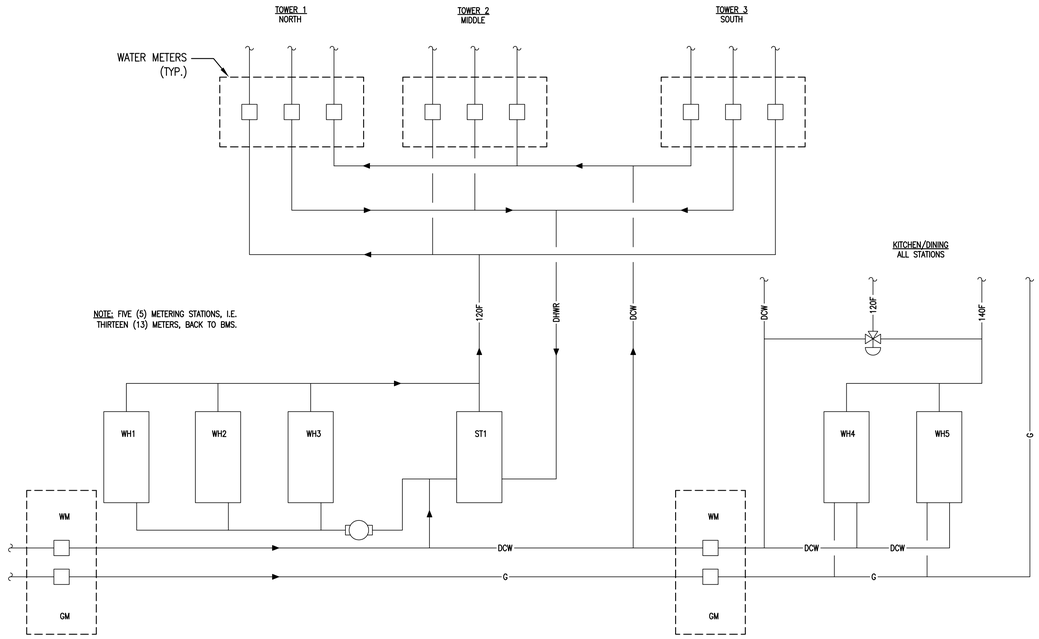
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P4.00

DESIGN DEVELOPMENT

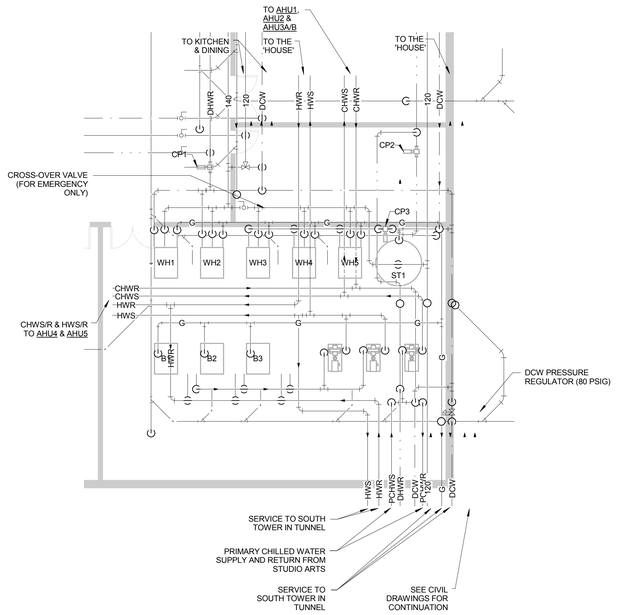
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ORIGINAL SHEET SIZE 30" x 42"

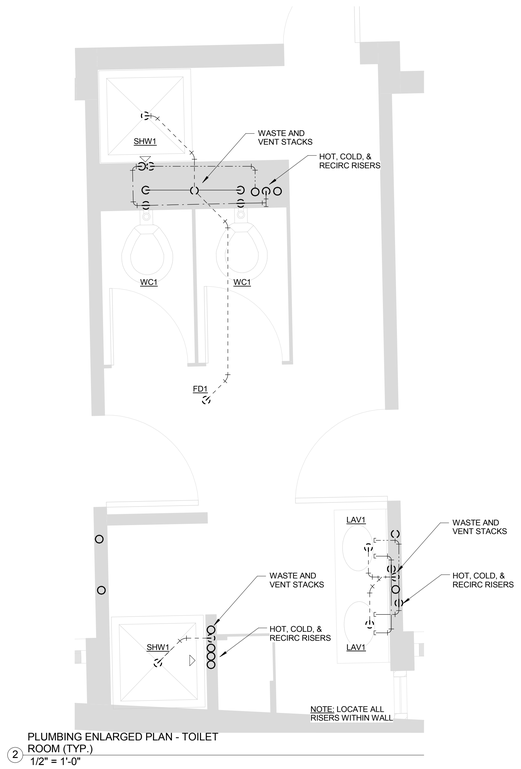
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3 METERING/SUB-METERING DIAGRAM - DOMESTIC WATER & GAS
1/8" = 1'-0"



1 PLUMBING ENLARGED BOILER ROOM
1/8" = 1'-0"



2 PLUMBING ENLARGED PLAN - TOILET ROOM (TYP.)
1/2" = 1'-0"

NOT FOR CONSTRUCTION

ORIGINAL SHEET SIZE 36" x 42"

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HENSEL PHELPS
Plan. Build. Manage.

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MESA COURT EXPANSION

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ARCHITECT SEAL

TITLE
PLUMBING ENLARGED PLANS

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13292.00

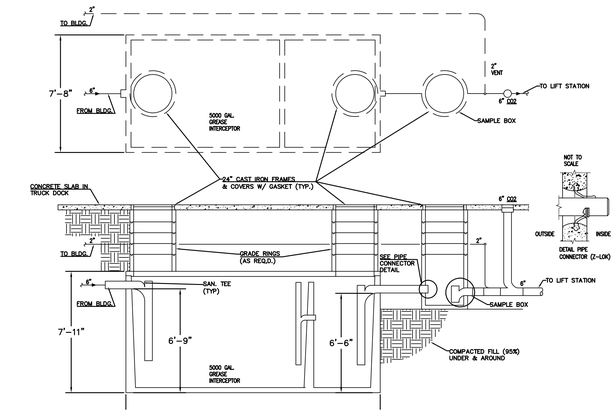
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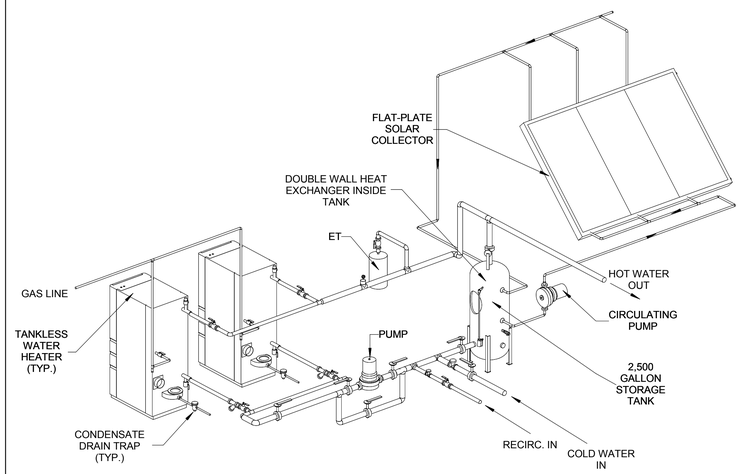
Project Status

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GREASE INTERCEPTOR (GI)



SOLAR THERMAL WATER HEATING SYSTEM PIPING DIAGRAM

NOT FOR CONSTRUCTION

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CHECK
ARCHITECT SEAL

TITLE
PLUMBING DETAILS

PROJECT NO.
13292.00
DATE
MAY 31, 2014

SHEET NUMBER
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DESIGN DEVELOPMENT
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ORIGINAL SHEET SIZE 30" x 42"

	SCALE		SCALE		SCALE	
-	-	7	-	4	GREASE INTERCEPTOR (GI)	NONE 1
-	-	8	-	5	SOLAR THERMAL WATER HEATING SYSTEM PIPING DIAGRAM	- 2
-	-	9	-	6	-	- 3

ABBREVIATIONS AND DESCRIPTIONS

A	AMPERES	KCM	KILO - CIRCULAR - MIL
AC	ALTERNATING CURRENT	KS	KNEE SPACE
A/C	AIR CONDITIONING	KVA	KILO-VOLTAMPERE
AIC	AMPERES INTERRUPTING CAPACITY	KW	KILO-WATT
AFC	AVAILABLE FAULT CURRENT	KWH	KILO-WATT-HOUR
AFF	ABOVE FINISHED FLOOR		
AFG	ABOVE FINISHED GRADE	LBS	POUNDS
AF	AMP FRAME/AMP FUSE	LF	LINEAL FEET
ABV	ABOVE	LOC	LOCATION
AL	ALUMINUM	LT	LIGHT
ARCH	ARCHITECT OR ARCHITECTURAL	LTG	LIGHTING
AS	AMP SWITCH	LV	LOW VOLTAGE
AT	AMP TRIP		
ATS	AUTOMATIC TRANSFER SWITCH	MH	MOUNTING HEIGHT
AWG	AMERICAN WIRE GAUGE	MANUF	MANUFACTURER
		MAX	MAXIMUM
B/G	BELOW GRADE	MC	MECHANICAL CONTRACTOR
BKBD	BACKBOARD	MCC	MOTOR CONTROL CENTER
BEL	BELOW	MCP	MOTOR CIRCUIT PROTECTION
		MECH	MECHANICAL
C	CONDUIT WITH WIRE	MIN	MINIMUM
CATV	CABLE TELEVISION	MLO	MAIN LUGS ONLY
CCTV	CLOSED CIRCUIT TELEVISION	MTD	MOUNTED
CB	CIRCUIT BREAKER	MTG	MOUNTING
CLG	CEILING		
CLF	CURENT LIMITING FUSE	N	NEUTRAL
CLR	CLEAR	NC	NORMALLY CLOSED
CO	CONDUIT ONLY WITH NYLON PULLCORD	NEC	NATIONAL ELECTRICAL CODE
COAX	COAXIAL CABLE	NIC	NOT IN CONTRACT
CONC	CONCRETE	NL	NIGHT LIGHT
CONN	CONNECT OR CONNECTION	NTS	NOT TO SCALE
CONT	CONTINUATION	NO	NORMALLY OPEN
CONTR	CONTRACTOR		
CPT	CONTROL POWER TRANSFORMER	OC	ON CENTER
CU	COPPER	OFCI	OWNER FURNISHED CONTRACTOR INSTALLED
CT	CURRENT TRANSFORMER	OFOI	OWNER FURNISHED OWNER INSTALLED
CW	COLD WATER		
		PB	PULLBOX
D	DEDICATED OUTLET	PC	PHOTOCELL CONTROL
DC	DIRECT CURRENT	PCTC	PHOTOCELL/TIMECLOCK CONTROL
DIA	DIAMETER	PE	PNEUMATIC-ELECTRIC
DISC	DISCONNECT	PH	PHASE
DIST	DISTRIBUTION	PIV	POST INDICATING VALVE
DL	DAMP LOCATION	PL	PILOT LIGHT
DB	DISTRIBUTION SWITCHBOARD	PLBG	PLUMBING
DWGS	DRAWINGS	PNL	PANEL
		PVC	POLYVINYL CHLORIDE
EA	EACH	PWR	POWER
EB	90-MINUTE BATTERY CONNECTED TO UNIT	PP	POWER POLE
EC	ELECTRICAL CONTRACTOR	PS	POWER SENTRY EMERGENCY BATTERY UNIT
EDF	ELECTRICAL DRINKING FOUNTAIN		
EG	CONNECTED TO EMERGENCY GENERATOR	Q	FIXTURE WITH QUARTZ RESTRIKE
EF	EXHAUST FAN	QTY	QUANTITY
EI	CONNECTED TO EMERGENCY INVERTER		
ELECT	ELECTRICAL	REC	RECESSED
ELEV	ELEVATION/ELEVATOR	RECEPT	RECEPTACLE
EMER, EM	EMERGENCY	REF	REFRIGERATOR
EMT	ELECTRO-METALLIC TUBING	REQ	REQUIREMENTS
EQUIP	EQUIPMENT	RGS	RIGID GALVANIZED STEEL
EXIST, EX	EXISTING	RM	ROOM
F	DEGREES FAHRENHEIT	SB	STANDBY
FA	FIRE ALARM	SD	SMOKE DETECTOR
FF	FURNITURE FEED, FINISHED FLOOR	SPEC	SPECIFICATION
FFE	FINISH FLOOR ELEVATION	SQ FT	SQUARE FEET OR SQUARE FOOT
FIN	FINISH OR FINISHED	STRUCT	STRUCTURAL
FIXT	FIXTURE	SW	SWITCH
FLUOR	FLUORESCENT	SWBD	SWITCHBOARD
FT	FEET OR FOOT	SWGR	SWITCHGEAR
FTG	FOOTING		
FVNR	FULL VOLTAGE NON-REVERSING	TEMP	TEMPERATURE OR TEMPORARY
		TV	TELEVISION
G	GROUND BUS OR WIRE	TEL, TELE	TELEPHONE
GA	GAUGE	TC	TIMECLOCK
GALV	GALVANIZED	TRANSF	TRANSFORMER
GC	GENERAL CONTRACTOR	TYP	TYPICAL
GD	GARBAGE DISPOSAL		
GFI	GROUND FAULT INTERRUPTER	UGPS	UNDERGROUND PULL SECTION
GFR	GROUND FAULT RELAY	UL	UNDERWRITERS LABORATORIES
GG	GREEN GROUND	UNO	UNLESS NOTED OTHERWISE
GND	GROUND		
		V	VOLTS
H	HORIZONTAL	VA	VOLTAMPERE
HAZMAT	HAZARDOUS MATERIAL	VFD	VARIABLE FREQUENCY DRIVE
HR	HOUR		
HP	HORSEPOWER	W/	WITH
HOA	HAND-OFF-AUTOMATIC	WH	WATER HEATER
HT	HEIGHT	WP	WEATHER PROOF
HTR	HEATER		
HZ	HERTZ	X	EXISTING
		XFMR	TRANSFORMER
IG	ISOLATED GROUND	XL	EXISTING TO BE RELOCATED
		XN	NEW LOCATION OF RELOCATED FIXTURE
J-BOX	JUNCTION BOX	XR	EXISTING TO BE REMOVED

FIRE ALARM

	THE FIRE ALARM SYMBOLS ARE SHOWN FOR PERFORMANCE CRITERIA ONLY. THE FIRE ALARM SYSTEM IS TO BE DESIGNED AND PERMITTED BY THE CONTRACTOR IN ACCORDANCE WITH THE DESIGN BUILD SPECIFICATION. THE FIRE ALARM SYSTEM SHALL BE PERMITED UNDER A DEFERRED SUBMITTAL.	FCPS	FIRE CONTROL POWER SUPPLY
		FATC	FIRE ALARM TERMINAL CABINET
DD	DUCT TYPE SMOKE DETECTOR	FABP	FIRE ALARM BOOSTER PANEL
SD	PHOTOELECTRIC SMOKE DETECTOR 4S DEEP BOX WITH 1.5" EXT. RING AND 3-0 RING	PIV	POST INDICATOR VALVE
	FIRE ALARM MANUAL PULL STATION 4S BOX AND 1-GANG RING +48" TO CENTER	M	FIRE ALARM MONITOR MODULE USED TO MONITOR SPRINKLER SYSTEM WATERFLOW AND TAMPER SWITCHES. PROVIDE 3/4" TO CEILING SPACE FOR FIRE ALARM SYSTEM WIRING.
	FIRE ALARM AUDIBLE ALARM +84"	DH	ELECTROMAGNETIC DOOR HOLDER 4S BOX 1-GANG RING. WALL MOUNT 4" DOWN AND 4" IN FROM CORNER OF DOOR LEAF. PROVIDE 3/4" TO CEILING SPACE FOR FIRE ALARM SYSTEM WIRING.
	FIRE ALARM VISUAL STROBE +84"		
	FIRE ALARM AUDIBLE ALARM AND VISUAL STROBE +84"	FS	WATER FLOW SWITCH WITH MONITOR MODULE 4S BOX, 1.5" DEEP. PROVIDE 3/4" TO CEILING SPACE FOR FIRE ALARM SYSTEM WIRING.
ANN	REMOTE ANNUNCIATOR PANEL TO BE SERIALLY CONNECTED, LED TYPE VERIFY LOCATION WITH ARCHITECT AND FIRE MARSHALL.	TS	TAMPER SWITCH WITH MONITOR MODULE 4S BOX, 1.5" DEEP. PROVIDE 3/4" TO CEILING SPACE FOR FIRE ALARM SYSTEM WIRING.
SFD	SMOKE FIRE DAMPER	R	CONTROL RELAY 4S BOX, 1.5" DEEP
FACP	FIRE ALARM CONTROL PANEL	B	EXTERIOR WATERFLOW ALARM BELL (F.B.O.)

SINGLELINE SYMBOLS AND DESCRIPTIONS

	DRAWOUT CIRCUIT BREAKER	A	AMP METER
		V	VOLT METER
	CIRCUIT BREAKER		CURRENT TRANSFORMER
		GF	GROUND FAULT CIRCUIT INTERRUPTER
	FUSED SWITCH	M	MOTOR OR EQUIPMENT AS NOTED
			UGPS LANDING LUGS
	TRANSFORMER	ATS 1 N E LO NEMA 1	AUTOMATIC TRANSFER SWITCH
	GROUNDING ELECTRODE AND CONDUCTOR		
	EXTERNALLY OPERATED CIRCUIT BREAKER	NEMA 1	GENERATOR
		DM	DIGITAL METER BY POWER MEASUREMENTS ION-7350
PANEL	PANELBOARD	LSIG	CIRCUIT BREAKER WITH ELECTRONIC SENSING, TIMING AND TRIPPING CONTROL WITH FIELD INTERCHANGEABLE TRIP UNITS. PROVIDE TRUE RMS FUNCTIONS WITH DESCRETE FIELD ADJUSTABLE SETTINGS INDEPENDENT OF OTHER ADJUSTMENTS. L. LONG TIME TRIP S. SHORT TIME OVERCURRENT TRIP I. INSTANTANEOUS TRIP G. GROUND FAULT TRIP, GROUND FAULT SENSING INTEGRAL WITH CIRCUIT BREAKER.
PANEL TF EL	THROUGH FED OR DOUBLE LUG PANELBOARD	LSI	CIRCUIT BREAKER WITH ELECTRONIC SENSING, TIMING AND TRIPPING CONTROL WITH FIELD INTERCHANGEABLE TRIP UNITS. PROVIDE TRUE RMS FUNCTIONS WITH DESCRETE FIELD ADJUSTABLE SETTINGS INDEPENDENT OF OTHER ADJUSTMENTS. L. LONG TIME TRIP S. SHORT TIME OVERCURRENT TRIP I. INSTANTANEOUS TRIP
ST	SHUNT TRIP	IC	INSULATED CASE CIRCUIT BREAKER
M	UTILITY METER WITH C.T.s.	SPD	SURGE PROTECTIVE DEVICE
M	IN-LINE UTILITY METER-200A MAXIMUM		

SIGNAL SYMBOLS AND DESCRIPTIONS

CR	CARD READER
DS	DOOR POSITION SWITCH
TV	CATV OUTLET PROVIDE JUNCTION BOX AND 3/4" CONDUIT TO ACCESSIBLE CEILING SPACE. +15" AFF UNO.
CB	CODE BLUE DURESS PHONE PROVIDE JUNCTION BOX AND 1/2" CONDUIT TO ACCESSIBLE CEILING SPACE. +48" AFF UNO.
IC	INTERCOM PROVIDE JUNCTION BOX AND 3/4" CONDUIT TO ACCESSIBLE CEILING SPACE. +48" AFF UNO.
NC	NURSE CALL.
DU	DURESS BUTTON PROVIDE JUNCTION BOX AND 3/4" CONDUIT TO ACCESSIBLE CEILING SPACE. +48" AFF UNO.
SC	WALL MOUNTED SECURITY CAMERA AT 90° A.F.F. PROVIDE 3/4" CONDUIT TO ACCESBLE CEILING SPACE.
S	SPEAKER BACK BOX LOCATION
IC	INTERCOM J-BOX LOCATION
SPS	SECURITY POWER SUPPLY. PROVIDE 120V CIRCUIT FOR POWER SUPPLY FURNISHED AND INSTALLED BY OTHER.

LIGHTING SYMBOLS AND DESCRIPTIONS

	SEE LUMINAIRE SCHEDULE FOR ADDITIONAL FIXTURE SYMBOLS.
	ALL WIRE SIZES FOR EXTERIOR LIGHTING SHALL BE #10AWG 3/4"C, UNLESS OTHERWISE NOTED.
S	SWITCH, SINGLE POLE 20A, MTD 48" AFF TO TOP DEVICE: WHITE COVERPLATE: WHITE PROVIDE 3-1/2" DEEP SINGLE GANG BOX
Sab	SWITCH, SINGLE POLE 20A, MTD 48" AFF TO TOP DESIGNATED TO CONTROL LIGHTING IN CIRCUIT LEGS. DEVICE: WHITE COVERPLATE: WHITE. PROVIDE MULTI-GANG BOX AS REQUIRED TO ACCOMMODATE SWITCH LEGS INDICATED. PROVIDE 3-1/2" DEEP BOX.
S^3	SWITCH, THREE WAY, 20A, MTD 48" AFF TO TOP DEVICE: WHITE COVERPLATE: WHITE PROVIDE 3-1/2" DEEP SINGLE GANG BOX.
S^K	KEYED SWITCH, SINGLE POLE 20A, MTD 48" AFF TO TOP DEVICE: WHITE COVERPLATE: WHITE. PROVIDE 3-1/2" DEEP SINGLE GANG BOX.
S^{DIM}	DIMMER SWITCH, MTD. 48" AFF TO TOP. PROVIDE 3-1/2" DEEP SINGLE GANG BOX.
S	SPECIALTY SWITCH AS DENOTED ON PLANS. DEVICE: WHITE COVERPLATE: WHITE MTD. 48" AFF TO TOP. PROVIDE 3-1/2" DEEP SINGLE GANG BOX.
MS	WALL MOUNTED VACANCY SENSOR CONTROLLED LIGHTING SWITCH WITH AUTOMATIC 'OFF' MANUAL 'ON' AND DUAL TECHNOLOGY ULTRASONIC/INFRARED. TYPICAL DEVICE: WHITE. MTD 48" AFF TO TOP.
MS ab	WALL MOUNTED A/B SWITCHING VACANCY SENSOR CONTROLLED LIGHTING SWITCH WITH AUTOMATIC 'OFF' MANUAL 'ON' AND DUAL TECHNOLOGY ULTRASONIC/INFRARED. TYPICAL DEVICE: WHITE, MTD 48" AFF TO TOP.
MS	MOTION SENSOR POWER PACK.
	CEILING MOUNTED ULTRASONIC MOTION SENSOR. DIRECTION OF COVERAGE INDICATED BY ARROWS DEVICE: WHITE
	LIGHTING CONTROL PANEL
SA1	LOW VOLTAGE OVERRIDE CONTROL SWITCH, LETTER DESIGNATES ZONE AND NUMBER DESIGNATES SWITCH NUMBER. MTD. 48" AFF TO TOP. PROVIDE 3-1/2" DEEP SINGLE GANG BOX.
3	3 GANG / MULTI-CHANNEL MASONRY WALLBOX DIMMER.
F1E / L1-Xa EB	LUMINAIRE CALLOUT:

F1E
L1-Xa
EB

LUMINAIRE TYPE
UNIQUE LUMINAIRE SYMBOL
LIGHTING BRANCH CIRCUIT AND SWITCH LEGS
EMERGENCY POWER SOURCE:
'EB' IS EMERGENCY BATTERY
'EI' IS EMERGENCY INVERTER
'EG' IS EMERGENCY GENERATOR

SYMBOLS AND DESCRIPTIONS

	DUPLEX RECEPTACLE MTD 15" AFF TO BOTTOM. DEVICE: WHITE, COVERPLATE: WHITE	TV	TELECOMMUNICATIONS OUTLET PEDESTAL MOUNTED.
EM	DUPLEX RECEPTACLE MTD 15" AFF TO BOTTOM. CONNECTED TO EMERGENCY SYSTEM. DEVICE: RED, COVERPLATE: RED	A/V	AUDIO VISUAL FLOOR BOX WITH 8 SINGLE GANG COMPARTMENTS FOR POWER, DATA, TELEPHONE AND AUDIO VISUAL OUTLETS.
	HALF SWITCH DUPLEX RECEPTACLE MTD 15" AFF TO BOTTOM. DEVICE: WHITE, COVERPLATE: WHITE	J	JUNCTION BOX, WALL MOUNTED.
D	DEDICATED 20A RATED DUPLEX RECEPTACLE MTD 15" AFF TO BOTTOM. DEVICE: GRAY, COVERPLATE: GRAY	J	JUNCTION BOX, SURFACE MOUNTED, CONCEALED.
GFI	GROUND FAULT INTERRUPTER DUPLEX RECEPTACLE MTD 15" AFF TO BOTTOM. PROVIDED WITH DEDICATED NEUTRAL. DEVICE: WHITE, COVERPLATE: WHITE	J	JUNCTION BOX, FLUSH FLOOR MOUNTED.
AFI	ARC FAULT INTERRUPTER DUPLEX RECEPTACLE MTD 15" AFF TO BOTTOM. PROVIDED WITH DEDICATED NEUTRAL DEVICE: WHITE, COVERPLATE: WHITE	J PP	POWER POLE AND JUNCTION BOX IN CEILING SPACE.
WP	WEATHER PROOF DUPLEX RECEPTACLE MTD 15" AFF TO BOTTOM. DEVICE: WHITE, COVERPLATE: GASKETED STAINLESS STEEL	C	CLOCK OUTLET, MOUNTED 96" A.F.F., U.O.N.
S	CHILD-RESISTANT SAFETY RECEPTACLE MTD 15" AFF TO BOTTOM. DEVICE: WHITE, COVERPLATE: WHITE	W	WIREMOLD 4000 DUAL CHANNEL ALUMINUM RACEWAY MOUNTED AT +42".
	SURFACE MOUNTED DUPLEX RECEPTACLE MTD 15" AFF TO BOTTOM. DEVICE: WHITE, COVERPLATE: STAINLESS STEEL	PS	PLUG STRIP MOUNTED AT +42" A.F.F. WITH OUTLETS 24" ON CENTER.
IG	ISOLATED GROUND DUPLEX RECEPTACLE MTD 15" AFF TO BOTTOM. DEVICE: ORANGE, COVERPLATE: ORANGE	SFD	SMOKE FIRE DAMPER
H	HORIZONTALLY MOUNTED DUPLEX RECEPTACLE MTD 15" AFF TO BOTTOM. DEVICE: WHITE, COVERPLATE: WHITE		PANELBOARD FLUSH MOUNTED
	208V 1PH 20A SINGLE RECEPTACLE MTD 15" AFF TO BOTTOM. DEVICE: BLACK, COVERPLATE: WHITE		PANELBOARD SURFACE MOUNTED
	DUPLEX RECEPTACLE WITH TWO USB PORTS. DEVICE: WHITE, COVERPLATE: WHITE		SWITCHBOARD
	FOURPLEX RECEPTACLE WITH TWO USB PORTS. DEVICE: WHITE, COVERPLATE: WHITE	T	TRANSFORMER
6-30R	SPECIALTY OUTLET, VERIFY NEMA CONFIGURATION AS NOTED ON PLANS MTD 15" AFF TO BOTTOM.		FUSED DISCONNECT SWITCH
6-30R	SPECIALTY CEILING OUTLET.		FVNR COMBINATION MOTOR STARTER, H-O-A, AUXILIARY CONTACTS, CPT, PILOT LIGHTS, NEMA ENCLOSURE AS REQUIRED, WITH FUSED DISCONNECT SWITCH.
	FOURPLEX RECEPTACLE MTD 15" AFF TO BOTTOM. DEVICE: WHITE, COVERPLATE: WHITE		FVNR MOTOR STARTER WITH OVERLOADS, H-O-A, AUXILIARY CONTACTS, CPT, PILOT LIGHTS, NEMA ENCLOSURE AS REQUIRED.
D	DEDICATED 20A RATED FOURPLEX RECEPTACLE MTD 15" AFF TO BOTTOM. DEVICE: GRAY, COVERPLATE: GRAY	2S2W	TWO-SPEED TWO WINDING MAGNETIC MOTOR STARTER WITH S2, S1 OFF CONTROLS, CPT, PILOT LTS., AUX CONTACTS PER MECHANICAL REQUIREMENTS.
	SURFACE MOUNTED FOURPLEX RECEPTACLE MTD 15" AFF TO BOTTOM. DEVICE: WHITE, COVERPLATE: WHITE	RV	REDUCED VOLTAGE MOTOR STARTER WITH OVERLOADS, H-O-A, AUXILIARY CONTACTS, CPT, PILOT LIGHTS, NEMA ENCLOSURE AS REQUIRED.
WAP	WIRELESS ACCESS POINT ABOVE CEILING FOR WIRELESS LAN.	VFD	VARIABLE FREQUENCY DRIVE
	TELECOMMUNICATIONS OUTLET WITH TRIM RING AND PULLSTRING TO ACCESSIBLE CEILING SPACE. MTD. 15" A.F.F. TO BOTTOM U.N.O.	m S	MOTOR HORSEPOWER RATED SWITCH.
S	SYSTEMS FURNITURE TELECOMMUNICATIONS OUTLET.		CONCEALED EMT CONDUIT WITH WIRE 2#12AWG + 1#12AWG GREEN GROUND, 3/4"C MINIMUM.
WP GFI	ROOF MOUNTED RECEPTACLE	#10	CONCEALED EMT CONDUIT WITH WIRE 3#12AWG + 1#12AWG GREEN GROUND, 3/4"C MINIMUM.
	CEILING MOUNTED RECEPTACLE	#10	CONCEALED EMT CONDUIT WITH WIRE 3#10AWG + 1#10AWG GREEN GROUND, 3/4"C MINIMUM.
	TELECOMMUNICATIONS OUTLET CEILING MOUNTED.		UNDERGROUND CONDUIT AND #10 WIRE, UNO. 3/4"PVC MIN.
	DUPLEX RECEPTACLE, FLUSH FLOOR MOUNTED, ON FIRE RATED POKE-THRU.	C	TELECOMMUNICATIONS CONDUIT ONLY, 1" TO ACCESSIBLE CEILING SPACE ON SAME FLOOR.
	DUPLEX RECEPTACLE, FLUSH FLOOR MOUNTED, FOR SLAB ON GRADE INSTALLATION.		HOMERUN
	FOURPLEX RECEPTACLE, FLUSH FLOOR MOUNTED, ON FIRE RATED POKE-THRU.		HATCHED CONDUIT AND WIRE TO BE REMOVED
	FOURPLEX RECEPTACLE, FLUSH FLOOR MOUNTED, FOR SLAB ON GRADE INSTALLATION.	CATV	CABLE TV CONDUIT UNDERGROUND
	SPECIALTY OUTLET RECEPTACLE, FLUSH FLOOR MOUNTED, FOR SLAB ON GRADE INSTALLATION.	FO	FIBER OPTIC CONDUIT UNDERGROUND
	TELECOMMUNICATIONS OUTLET, FLUSH FLOOR MOUNTED, ON FIRE RATED POKE-THRU.	HV	HIGH VOLTAGE CONDUIT UNDERGROUND
	TELECOMMUNICATIONS OUTLET, FLUSH FLOOR MOUNTED, FOR SLAB ON GRADE INSTALLATION.	T	TELEPHONE CONDUIT UNDERGROUND
	COMBINATION POWER & DATA DUPLEX OUTLET, FLUSH FLOOR MOUNTED FOR SLAB ON GRADE INSTALLATION.		CODE SIZED PULLBOX AS INDICATED ON PLANS.
	COMBINATION POWER & DATA FOURPLEX OUTLET, FLUSH FLOOR MOUNTED FOR SLAB ON GRADE INSTALLATION.		CODE SIZED PULLBOX OR SPLICE BOX AS INDICATED ON PLANS.
	COMBINATION POWER & DATA DUPLEX OUTLET, FLUSH FLOOR MOUNTED ON FIRE RATED POKE-THRU.		INDICATES CONDUIT STUB-UP OR STUB-OUT LOCATION.
	COMBINATION POWER & DATA FOURPLEX OUTLET, FLUSH FLOOR MOUNTED ON FIRE RATED POKE-THRU.		REEL CORD.
F	SYSTEMS FURNITURE FLOOR FEED WITH 3/4" CONDUIT FOR POWER & 1-1/4" CONDUIT FOR SLAB ON GRADE INSTALLATION.		DROP CORD.
F	SYSTEMS FURNITURE FLOOR FEED WITH 3/4" CONDUIT FOR POWER & 1-1/4" CONDUIT FOR TELE/DATA ON FIRE RATED POKE-THRU.		WALKER DUCT.
F	SYSTEMS FURNITURE WALL FEED WITH 3/4" CONDUIT FOR POWER & 1-1/4" CONDUIT FOR TELE/DATA.		CABLE TRAY.
	DUPLEX RECEPTACLE PEDESTAL MOUNTED.		
	FOURPLEX RECEPTACLE PEDESTAL MOUNTED.		

FEEDER SCHEDULE

600V BRANCH CIRCUITS 1Ø 2W

LABEL	TYPE	SETS	PHASE	NEUTRAL	GROUND	CONDUIT
20B	20A-2W	1	2 # 12	N/A	1 # 12	3/4"
30B	30A-2W	1	2 # 10	N/A	1 # 10	3/4"
40B	40A-2W	1	2 # 8	N/A	1 # 10	3/4"
50B	50A-2W	1	2 # 6	N/A	1 # 10	3/4"

600V FEEDER SCHEDULE 1Ø 3W

LABEL	TYPE	SETS	PHASE	NEUTRAL	GROUND	CONDUIT
20S	20A-3W	1	2 # 12	1 # 12	1 # 12	3/4"
30S	30A-3W	1	2 # 10	1 # 10	1 # 10	3/4"
40S	40A-3W	1	2 # 8	1 # 8	1 # 10	1"
50S	50A-3W	1	2 # 6	1 # 6	1 # 10	1"
60S	60A-3W	1	2 # 4	1 # 4	1 # 10	1"
100S	100A-3W	1	2 # 1	1 # 1	1 # 8	1 1/4"

600V FEEDER SCHEDULE 3Ø 3W

LABEL	TYPE	SETS	PHASE	NEUTRAL	GROUND	CONDUIT
20 A	20A-3W	1	3 # 12	N/A	1 # 12	3/4"
30 A	30A-3W	1	3 # 10	N/A	1 # 10	3/4"
40 A	40A-3W	1	3 # 8	N/A	1 # 10	1"
50 A	50A-3W	1	3 # 6	N/A	1 # 10	1"
60 A	60A-3W	1	3 # 4	N/A	1 # 10	1"
70 A	70A-3W	1	3 # 4	N/A	1 # 8	1 1/4"
80 A	80A-3W	1	3 # 2	N/A	1 # 8	1 1/4"
90 A	90A-3W	1	3 # 2	N/A	1 # 8	1 1/4"
100A	100A-3W	1	3 # 1	N/A	1 # 8	1 1/4"
125A	125A-3W	1	3 # 1	N/A	1 # 8	1 1/2"
150A	150A-3W	1	3 # 1/0	N/A	1 # 6	1 1/2"
175A	175A-3W	1	3 #2/0	N/A	1 # 6	2"
200A	200A-3W	1	3 # 3/0	N/A	1 # 6	2"
225A	225A-3W	1	3 # 4/0	N/A	1 # 4	2 1/2"
250A	250A-3W	1	3 #250KCM	N/A	1 # 4	2 1/2"
300A	300A-3W	1	3 #350KCM	N/A	1 # 4	3"
350A	350A-3W	1	3 #500KCM	N/A	1 # 2	4"
400A	400A-3W	1	3 #600KCM	N/A	1 # 2	4"
450A	450A-3W	2	3 # 4/0	N/A	1 # 2	3"
500A	500A-3W	2	3 #250KCM	N/A	1 # 2	3"
600A	600A-3W	2	3 #350KCM	N/A	1 # 1/0	4"
700A	700A-3W	2	3 #500KCM	N/A	1 # 1/0	4"
800A	800A-3W	2	3 #600KCM	N/A	1 # 1/0	4"
1000A	1000A-3W	3	3 #500KCM	N/A	1 # 2/0	4"
1200A	1200A-3W	3	3 #600KCM	N/A	1 # 3/0	4"
1600A	1600A-3W	4	3 #600KCM	N/A	1 # 4/0	4"
2000A	2000A-3W	5	3 #600KCM	N/A	1#250KCM	4"
2500A	2500A-3W	6	3 #600KCM	N/A	1#350KCM	4"
3000A	3000A-3W	8	3 #600KCM	N/A	1#500KCM	4"
4000A	4000A-3W	10	3 #600KCM	N/A	1#500KCM	4"

600V FEEDER SCHEDULE 3Ø 4W

LABEL	TYPE	SETS	PHASE	NEUTRAL	GROUND	CONDUIT
20Y	20A-4W	1	3 # 12	1 # 12	1 # 12	3/4"
30Y	30A-4W	1	3 # 10	1 # 10	1 # 10	3/4"
40Y	40A-4W	1	3 # 8	1 # 10	1 # 10	1"
50Y	50A-4W	1	3 # 6	1 # 6	1 # 10	1"
60Y	60A-4W	1	3 # 4	1 # 4	1 # 10	1"
70Y	70A-4W	1	3 # 4	1 # 4	1 # 8	1 1/4"
80Y	80A-4W	1	3 # 2	1 # 2	1 # 8	1 1/4"
90Y	90A-4W	1	3 # 2	1 # 2	1 # 8	1 1/4"
100Y	100A-4W	1	3 # 1	1 # 1	1 # 8	1 1/2"
125Y	125A-4W	1	3 # 1	1 # 1	1 # 6	1 1/2"
150Y	150A-4W	1	3 # 1/0	1 # 1/0	1 # 6	1 1/2"
175Y	175A-4W	1	3 # 2/0	1 # 2/0	1 # 6	2"
200Y	200A-4W	1	3 # 3/0	1 # 3/0	1 # 6	2"
225Y	225A-4W	1	3 # 4/0	1 # 4/0	1 # 4	2 1/2"
250Y	250A-4W	1	3 #250KCM	1 #250KCM	1 # 4	2 1/2"
300Y	300A-4W	1	3 #350KCM	1 #350KCM	1 # 4	2"
350Y	350A-4W	1	3 #500KCM	1 #500KCM	1 # 2	4"
400Y	400A-4W	1	3 #600KCM	1 #600KCM	1 # 2	4"
450Y	450A-4W	2	3 # 4/0	1 # 4/0	1 # 2	3"
500Y	500A-4W	2	3 #250KCM	1 #250KCM	1 # 2	3"
600Y	600A-4W	2	3 #350KCM	1 #350KCM	1 # 1/0	4"
700Y	700A-4W	2	3 #500KCM	1 #500KCM	1 # 1/0	4"
800Y	800A-4W	2	3 #600KCM	1 #600KCM	1 # 1/0	4"
1000Y	1000A-4W	3	3 #500KCM	1 #500KCM	1 # 2/0	4"
1200Y	1200A-4W	3	3 #600KCM	1 #600KCM	1 # 3/0	4"
1600Y	1600A-4W	4	3 #600KCM	1 #600KCM	1 # 4/0	4"
2000Y	2000A-4W	5	3 #600KCM	1 #600KCM	1#250KCM	4"
2500Y	2500A-4W	6	3 #600KCM	1 #600KCM	1#350KCM	4"
3000Y	3000A-4W	8	3 #600KCM	1 #600KCM	1#500KCM	4"
4000Y	4000A-4W	10	3 #600KCM	1 #600KCM	1#500KCM	4"

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LIGHTING FIXTURE SCHEDULE

TYPE	VOLTAGE*	INPUT WATTAGE	MOUNTING	FIXTURE DESCRIPTION	FIXTURE MANUFACTURER	FIXTURE CATALOG #	LAMP #	LAMP CODE	BALLAST #	BALLAST CODE	NOTES
L10	120/277	42W	CEILING SURFACE	CEILING MOUNTED LINEAR LED STRIP FIXTURE. COLD-ROLLED STEEL, HIGH REFLECTANCE BAKED WHITE ENAMEL FINISH HOUSING. PROVIDE WITH DIFFUSE LENS. NOMINALLY 4IN WIDE X 3IN DEEP X 4FT LONG. PROVIDE STEM MOUNTING AS NEEDED TO MOUNT AT HEIGHTS AS INDICATED ON ARCHITECTURAL PLANS. UL DAMP LISTED.	LITHONIA, OR EQUAL	#ZL2N-L48-3000LM-MDD-MVOLT-40K-80CRI-WH	-	LED (4000K) 3100 LUMENS 100,000HRS+ 80+ CRI PROVIDED BY MANUFACTURER	-	INTEGRAL ELECTRONIC DIMMING DRIVER	BOH
L10A	120/277	32W	CEILING SURFACE	SIMILAR TO TYPE "L10" EXCEPT WITH REDUCED LUMEN OUTPUT.	LITHONIA, OR EQUAL	#ZL2N-L48-2000LM-MDD-MVOLT-40K-80CRI-WH	-	LED (4000K) 2000 LUMENS 100,000HRS+ 80+ CRI PROVIDED BY MANUFACTURER	-	INTEGRAL ELECTRONIC DIMMING DRIVER	BOH - SMALL ROOMS
L11	120/277	22W	CEILING RECESSED	RECESSED LED SHOWER DOWNLIGHT. NOMINALLY 6IN ROUND APERTURE X 7IN RECESSED DEPTH. NON-CONDUCTIVE DEAD FRONT TRIM. REGRESSED ACRYLIC LENS. WHITE PAINTED FLANGE. UL WET LISTED AND SHOWER RATED.	GOTHAM, OR EQUAL	#EVO-41-10-6-DFR-MVOLT-DIM	-	LED (4000K) 650 LUMENS 60,000HRS+ 80+ CRI PROVIDED BY MANUFACTURER	-	INTEGRAL ELECTRONIC DIMMING DRIVER	SHOWERS
L12	120/277	30W	WALL SURFACE	LINEAR SURFACE MOUNTED VANITY SCONCE. NOMINALLY 4IN TALL X 4FT LONG X MAXIMUM 4IN DEEP. EXTRUDED ALUMINUM HOUSING. ANGLED CURVED PERFORATED FASCIA WITH UV STABILIZED ACRYLIC LENSED DIFFUSER. DIRECT/INDIRECT DISTRIBUTION WITH TOP AND BOTTOM FROSTED ACRYLIC DIFFUSERS. UL DAMP LISTED.	FINELITE, OR EQUAL	#S17-LED-ACF-PF-4-SO-4000K-SC-VOLT	-	LED (4000K) 1500 LUMENS 100,000HRS+ 80+ CRI PROVIDED BY MANUFACTURER	-	INTEGRAL ELECTRONIC DIMMING DRIVER	DORM VANITY SCONCE
L13	120/277	37W	CEILING RECESSED	RECESSED LED LENSED DOWNLIGHT. NOMINALLY 6IN ROUND APERTURE X 8IN RECESSED DEPTH. VANDAL RESISTANT LENS AND HARDWARE. PRISMATIC POLYCARBONATE LENS. UL DAMP LISTED. MANUFACTURERS STANDARD FINISH TRIM AS SELECTED BY ARCHITECT.	GOTHAM, OR EQUAL	#EVO-VR-41-10-FINISH-LD-PPC-MVOLT-DIM	-	LED (4000K) 650 LUMENS 60,000HRS+ 80+ CRI PROVIDED BY MANUFACTURER	-	INTEGRAL ELECTRONIC DIMMING DRIVER	RESTROOMS
L14	120/277	5W/FT	CEILING SURFACE	SURFACE MOUNTED LINEAR LED DOWNLIGHT. NOMINALLY 4IN WIDE X 5IN DEEP X 4FT LENGTHS. FLUSH SATIN LENS. MANUFACTURERS STANDARD FINISH AS SELECTED BY ARCHITECT. INTEGRAL DAYLIGHTING SENSOR.	AXIS, OR EQUAL	#BBSLED-B2-500-40-SO-4-FINISH-UNV-D-SX-DS	-	LED (4000K) 500LM/FT 80+ CRI PROVIDED BY MANUFACTURER	-	INTEGRAL ELECTRONIC DIMMING DRIVER 100%-1%	DORM ROOMS
L15	120/277	5W/FT	CEILING RECESSED	RECESSED LINEAR LED DOWNLIGHT. NOMINALLY 6IN WIDE X 5IN DEEP X 4FT LENGTHS. FLUSH SATIN LENS.	AXIS, OR EQUAL	#B6RLED-B2-500-40-SO-FL-4-W-UNV-D-XX	-	LED (4000K) 500 LUMENS/FT 80+ CRI PROVIDED BY MANUFACTURER	-	INTEGRAL ELECTRONIC DIMMING DRIVER 100%-1%	DORM ROOM CORRIDORS
L16	120/277	10W	CEILING RECESSED	RECESSED SQUARE LED ADJUSTABLE DOWNLIGHT. LOCKING ADJUSTABILITY. 30 DEGREE BEAM ANGLE. REMOTE PHOSPHOR LED MODULE TECHNOLOGY. NOMINALLY 4IN X 4IN SQUARE X 6IN RECESSED DEPTH HOUSING.	USAI, OR EQUAL	#3130-10-C-LSTA4-8310-C1-40-30-NC-VOLT-DIM	-	LED (4000K) 400LM/FT 80+ CRI PROVIDED BY MANUFACTURER	-	INTEGRAL ELECTRONIC DIMMING DRIVER 100%-1%	DORM ROOM CORRIDOR NODES
L17	120/277	59W	CEILING RECESSED	RECESSED LENSED TROFFER. NOMINALLY 2FT WIDE X 4FT LONG X 4IN DEEP. FLUSH STEEL DOOR WITH MITERED CORNERS, ENCLOSED POSITIVE CAM ACTION LATCHES AND 0.125IN VIRGIN ACRYLIC PRISMATIC LENS, SMOOTH SIDE OUT. UL DAMP LISTED.	LITHONIA	#2GTL-4-60L-MVOLT-LP840	-	LED (4000K) 6,000 LUMENS 80+ CRI PROVIDED BY MANUFACTURER	-	INTEGRAL ELECTRONIC DIMMING DRIVER 100%-1%	BOH - KITCHEN
L17A		39W		SIMILAR TO TYPE "L17" EXCEPT WITH REDUCED LUMEN OUTPUT.		#2GTL-4-40L-MVOLT-LP840	-	LED (4000K) 4,000 LUMENS 80+ CRI PROVIDED BY MANUFACTURER	-	INTEGRAL ELECTRONIC DIMMING DRIVER 100%-1%	BOH - CORRIDORS/ STORAGE
L18	120/277	15W	CEILING RECESSED	RECESSED LED DOWNLIGHT. NOMINALLY 6IN ROUND APERTURE. REMOTE PHOSPHOR LED MODULE TECHNOLOGY. UL DAMP LISTED. DECROATIVE DROP GLASS SHADE. MANUFACTURERS STANDARD FINISH TRIM AS SELECTED BY ARCHITECT.	WILA, OR EQUAL	#611-5-5-4-80-VOLT	-	LED (4000K) 1,000 LUMENS 80+ CRI PROVIDED BY MANUFACTURER	-	INTEGRAL ELECTRONIC DIMMING DRIVER 100%-1%	SERVING
L19	120/277	56W	CEILING RECESSED	RECESSED HIGH EFFICIENCY LENSED LINEAR FLUORESCENT. NOMINALLY 2FT WIDE X 4FT LONG X 4IN DEEP. MINIMUM 85% FIXTURE EFFICIENCY. DIE FORMED 20 GAUGE COLD ROLLED STEEL HOUSING. UV-STABILIZED AND IMPACT-RESISTANT FROSTED ACRYLIC LENS ANGLED TO CEILING PLANE, WITH ACRYLIC DIFFUSER CENTER OPTIC. HINGED DOOR FOR RELAMPING AND EASE OF CLEANING. MATTE WHITE POWDER FINISH.	FINELITE, OR EQUAL	#HPR-A-2X4-DCO-LED-HO-4000K-VOLT-XX	-	LED (4000K) 6,000 LUMENS 80+ CRI PROVIDED BY MANUFACTURER	-	INTEGRAL ELECTRONIC DIMMING DRIVER 100%-1%	OFFICES WITH ACT CEILING
L19A		35W		SIMILAR TO TYPE "L19" EXCEPT WITH REDUCED OUTPUT.			-	LED (4000K) 3,500 LUMENS 80+ CRI PROVIDED BY MANUFACTURER	-	INTEGRAL ELECTRONIC DIMMING DRIVER 100%-1%	OFFICE CORRIDORS
L20	120/277	45W	CEILING SUSPENDED	SIMILAR TO TYPE "L15" EXCEPT 8FT LENGTH , HIGHER OUTPUT AND SUSPENDED CEILING MOUNTING.	LEDALITE, OR EQUAL	#1201-L-AE-Q-S-08-X-VOLT	-	LED (4000K) 3,600 LUMENS 80+ CRI PROVIDED BY MANUFACTURER	-	INTEGRAL ELECTRONIC DIMMING DRIVER 100%-1%	FITNESS
L21	120/277	25W	CEILING RECESSED	RECESSED LED DOWNLIGHT. NOMINALLY 6IN ROUND APERTURE. REMOTE PHOSPHOR LED MODULE TECHNOLOGY. 45 DEGREE CUTOFF TO LAMP IMAGE. MEDIUM DISTRIBUTION WITH MATTE DIFFUSE FINISH REFLECTOR. MANUFACTURERS STANDARD FINISH TRIM AS SELECTED BY ARCHITECT. UL DAMP LISTED.	GOTHAM, OR EQUAL	#EVO-41-14-6AR-MD-LD-MVOLT-DIM	-	LED (4000K) 1,000 LUMENS 80+ CRI PROVIDED BY MANUFACTURER	-	INTEGRAL ELECTRONIC DIMMING DRIVER 100%-1%	CORRIDORS/ RESTROOMS
L21A	120/277	25W	CEILING RECESSED	SIMILAR TO TYPE "L21" EXCEPT 2200 LUMEN OUTPUT.	GOTHAM, OR EQUAL	#EVO-41-22-6AR-MD-LD-MVOLT-DIM	-	LED (4000K) 2,200 LUMENS 80+ CRI PROVIDED BY MANUFACTURER	-	INTEGRAL ELECTRONIC DIMMING DRIVER 100%-1%	DINING DOWNLIGHT ACT TILE
L22	120/277	4W/FT	WALL SURFACE	SURFACE LINEAR LED STAIR LIGHT. FROSTED ACRYLIC LENS. NOMINALLY 4IN WIDE X MAXIMUM 5.75IN TALL. PROVIDE WITH INTEGRAL UL924 OCCUPANCY SENSOR TO DIM LIGHTS TO 50% WHEN UNOCCUPIED. PROVIDE WITH INTEGRAL EMERGENCY BATTERY PACK CAPABLE OF 1,100 LUMEN OUTPUT.	WILLIAMS, OR EQUAL	#WMA-4-LEDPH65/840-AF-TP-EM/BSL310-OCCWS FS-505-PP-277	-	LED (4000K) 6,500 LUMENS 80+ CRI PROVIDED BY MANUFACTURER	-	INTEGRAL ELECTRONIC DIMMING DRIVER 100%-1%	STAIRWELLS
L23	120/277	8W/FT	WALL SURFACE	LINEAR LED PERIMETER SLOT. NOMINALLY 4IN OPENING X 7IN RECESSED DEPTH. PROVIDE WITH CONTROL DEFLECTOR TO CONCEAL VIEW OF LAMPING. MEDIUM OUTPUT LED BEHIND LENS. PROVIDE CONTINUOUS LENGTHS AS INDICATED ON PLANS WITH MAXIMUM 2IN UNLIT SECTION ON EACH END TO ENSURE FLUSH CONNECTION WITH ADJACENT WALLS.	LITE CONTROL, OR EQUAL	#WS-L60-LENGTH-MO-40K-CWM-XX-DIM-VOLT-LCD	-	LED (4000K) 500 LUMENS/FT 80+ CRI PROVIDED BY MANUFACTURER	-	INTEGRAL ELECTRONIC DIMMING DRIVER 100%-1%	RESTROOMS PERIMETER SLOT

LIGHTING FIXTURE SCHEDULE

TYPE	VOLTAGE*	INPUT WATTAGE	MOUNTING	FIXTURE DESCRIPTION	FIXTURE MANUFACTURER	FIXTURE CATALOG #	LAMP #	LAMP CODE	BALLAST #	BALLAST CODE	NOTES
A01	120/277	60W	CEILING SUSPENDED	DECORATIVE LARGE SCALE PENDANT. NOMINALLY 4FT DIAMETER X 2FT TALL DRUM. WIRE PATTERN ACRYLIC SHADE WITH FROSTED OPAL AND ALUMINUM LAMP SHIELD. MANUFACTURERS STANDARD FINISHES AS SELECTED BY ARCHITECT. MANUFACTURER TO PROVIDE MAXIMUM WATTAGE LABEL OF 60W. UL LISTED.	YELLOW GOAT DESIGN, OR EQUAL	#BASQUIAT	4	LED (4000K) 1500 LUMENS E26 A19 80+ CRI	-	INTEGRAL ELECTRONIC DIMMING	DINING SOFT SEATING
A02	120-277	20W	CEILING SUSPENDED	DECORATIVE PERFORATED PENDANT. NOMINALLY 31IN DIAMETER X 9IN TALL OBLONG. MANUFACTURERS STANDARD FINISH AS SELECTED BY ARCHITECT. MANUFACTURER TO PROVIDE MAXIMUM WATTAGE LABEL OF 20W. UL LISTED.	DAVID TRUBRIDGE DESIGNS, OR EQUAL	#FLAX DTL054-FINISH-FLAX800	1	LED (4000K) 1500 LUMENS E26 A19 80+ CRI	-	INTEGRAL ELECTRONIC DIMMING	RES. ENTRY LOBBIES
A03	120/277	87W	CEILING SUSPENDED	DECORATIVE LINEAR LED DOWNLIGHT PENDANT. DYNAMIC MOVING SLATS, LOCKABLE AND AIMABLE IN FIELD. FROSTED LENS. NOMINALLY 64IN X 26IN X 4IN TALL. MANUFACTURERS STANDARD FINISH AS SELECTED BY ARCHITECT.	VIBIA, OR EQUAL	#RHYTHM 2112-FINISH	-	LED (4000K) 4,000 LUMENS 80+ CRI PROVIDED BY MANUFACTURER	-	REMOTE ELECTRONIC DIMMING DRIVER 100%-1%	RECEPTION
A04	120/277	15W	CEILING SUSPENDED	DECORATIVE GLASS PENDANT. NOMINALLY 12IN DIAMETER X 20IN TALL TEAR DROP. MANUFACTURERS STANDARD FINISH AS SELECTED BY ARCHITECT. MANUFACTURER TO PROVIDE MAXIMUM WATTAGE LABEL OF 15W.	TECH LIGHTING, OR EQUAL	#700-TD-FINISH-LED	1	LED (4000K) 1500 LUMENS E26 A19 80+ CRI	-	INTEGRAL ELECTRONIC DIMMING	COFFEE PENDANT
A05	120/277	20W	CEILING SUSPENDED	DECORATIVE TWO LAYER PENDANT. CLEAR GLASS GLOBE WITH INNER COLORED FABRIC DRUM TO CONCEAL LAMP. NOMINALLY 31IN DIAMETER X 14IN TALL. MANUFACTURERS STANDARD FINISHES AS SELECTED BY ARCHITECT. MANUFACTURER TO PROVIDE MAXIMUM WATTAGE LABEL OF 20W. UL LISTED.	MODO LUCE, OR EQUAL	#ELLISSE ELLESO080X01	1	LED (4000K) 1500 LUMENS E26 A19 80+ CRI	-	INTEGRAL ELECTRONIC DIMMING	STUDY ROOMS PENDANT
A06	120/277	100W	CEILING SUSPENDED	DECORATIVE PERFORATED PENDANT. NOMINALLY 40IN DIAMETER SPHERE. MANUFACTURERS STANDARD FINISH AS SELECTED BY ARCHITECT. MANUFACTURER TO PROVIDE MAXIMUM WATTAGE LABEL OF 100W. UL LISTED.	DAVID TRUBRIDGE DESIGNS, OR EQUAL	#CORAL DTL021-FINISH-CORAL1000	1	LED (4000K) 1500 LUMENS E26 A19 80+ CRI	-	INTEGRAL ELECTRONIC DIMMING DRIVER 100%-1%	GREAT ROOM PENDANT
F01	120-277	54W	CEILING	CEILING MOUNTED LINEAR FLUORESCENT STRIP FIXTURE. DIE-FORMED STEEL, HIGH REFLECTANCE BAKED WHITE ENAMEL FINISH. 2-LAMP CROSS SECTION. PROVIDE WITH WIRE GUARD. UL DAMP LISTED. PROVIDE CHAIN HANGING KIT AS NEEDED TO MOUNT AT HEIGHT PER ARCHITECTURAL DRAWINGS.	LITHONIA, OR EQUAL	#Z-2-28T5-MVOLT-GEB10PS-HC36-WGZ46	2	F28T5/835/EA/ ALTO 25W	1	INTEGRAL ELECTRONIC 0.95BF PROGRAM START	BOH SERVICE AREAS
F01A		27W		SIMILAR TO TYPE "F01" EXCEPT WITH 1-LAMP CROSS SECTION.			1	F28T5/835/EA/ ALTO 25W			BOH SMALL SERVICE AREAS
F02	120-277	54W	CEILING SURFACE	SURFACE MOUNTED LINEAR FLUORESCENT CRESENT WRAP. NOMINALLY 10IN WIDE X 4FT LONG X 4IN DEEP. HIGH IMPACT RESISTANT DR.ACRYLIC DIFFUSER CAPTIVE BY DIE CAST ENDS. UL DAMP LISTED.	LITHONIA, OR EQUAL	#ST5-2-28T5-MVOLT-GEB95-FINISH	2	F28T5/835/EA/ ALTO 25W	2	INTEGRAL ELECTRONIC 0.95BF PROGRAM START	BOH BASEMENT
F03	120/277	59W	CEILING RECESSED	RECESSED LENSED TROFFER. NOMINALLY 2FT WIDE X 4FT LONG X 4IN DEEP. FLUSH STEEL DOOR WITH MITERED CORNERS, ENCLOSED POSITIVE CAM ACTION LATCHES AND 0.125IN VIRGIN ACRYLIC PRISMATIC LENS, SMOOTH SIDE OUT. UL WET LISTED.	LITHONIA, OR EQUAL	#2WRTG-2-T5-A12125-MVOLT-GEB10PS	2	F28T5/835/EA/ ALTO 25W	2	INTEGRAL ELECTRONIC 0.95BF PROGRAM START	BOH - WARE WASH
L01	120/277	85W	POLE 18FT TALL 5IN ROUND STRAIGHT MARINE GRADE ALUMINUM	POLE ARM MOUNTED LED AREA LIGHT. NOMINALLY 17IN DIAMETER X 8IN DEEP WITH SIN ARM. ONE-PIECE SEEMLESS SPUN ALUMINUM HOUSING WITH DIECAST ALUMINUM DOOR FRAME WITH CAPTIVE GASKETED CLEAR IMPACT RESISTANT TEMPERED FLAT GLASS. TYPE III DISTRIBUTION. FULL CUTOFF DISTRIBUTION WITH MAXIMUM BUG RATING OF B4U0G3. UL WET LISTED. INTEGRAL PHOTOCELL AND OCCUPANCY SENSOR CONTROL TO DIM FIXTURE TO 50% WHEN UNOCCUPIED. MANUFACTURERS STANDARD BRONZE POWDER COAT FINISH TO MATCH POLE.	GARDCO, OR EQUAL	#CA17L-1-3-8SLA-NW-UNV-BRP-PC	-	LED (4000K) 7500 LUMENS 80+ CRI PROVIDED BY MANUFACTURER	-	INTEGRAL ELECTRONIC DIMMING DRIVER 100%-1%	CAMPUS STANDARD PATHWAY LIGHTING POLE AT ART WALK
L01A				SIMILAR TO TYPE "L01" EXCEPT FOR TYPE IV DISTRIBUTION.							
L02	120/277	20W	WALL SURFACE	SURFACE MOUNTED LED AREA LIGHT. FULL CUTOFF DISTRIBUTION WITH MAXIMUM BUG RATING OF B4U3G3. UL WET LISTED. INTEGRAL PHOTO CELL. MANUFACTURERS STANDARD BRONZE POWDER COAT FINISH.	KIM, OR EQUAL	#WF32X-LED-18L3KUV-DB	-	LED (4000K) 80+ CRI PROVIDED BY MANUFACTURER	-	INTEGRAL ELECTRONIC DIMMING DRIVER 100%-1%	CUTOFF VERSION OF CAMPUS STANDARD PUBLIC AREA BUILDING MOUNTED WALLPACK
L03	120/277	69W	WALL SURFACE	SURFACE MOUNTED LED BACK OF HOUSE AREA LIGHT. NOMINALLY 17IN WIDE X 10IN DEEP X 7IN TALL. FULL CUTOFF DISTRIBUTION WITH MAXIMUM BUG RATING OF B4U3G3. UL WET LISTED. INTEGRAL PHOTO CELL. MANUFACTURERS STANDARD FINISH.	LITHONIA, OR EQUAL	#CSXWLED-30C-700-40K-TFTM-MVOLT-PE-VG-FINISH	-	LED (4000K) 7,000 LUMENS 80+ CRI PROVIDED BY MANUFACTURER	-	INTEGRAL ELECTRONIC DIMMING DRIVER 100%-1%	CUTOFF OPTION FOR CAMPUS STANDARD BOH BUILDING MOUNTED WALLPACK
L04	120-277	108	SURFACE CEILING	SURFACE CEILING MOUNTED LED GARAGE HALF HEMISPHERE. NOMINALLY 17IN DIAMETER X 9IN DEEP. MARINE GRADE ALUMINUM HOUSING WITH UV STABILIZED HIGH IMPACT RESISTANT POLYCARBONATE LENS. TAMPER RESISTANT FASTENERS. TYPE 5-SQUARE DISTRIBUTION. UL DAMP LISTED.	KENALL	-	-	LED (4000K) 5000 LUMENS 80+ CRI PROVIDED BY MANUFACTURER	-	INTEGRAL ELECTRONIC DIMMING DRIVER 100%-1%	LOADING DOCK CANOPY
L05	120/277	41W	POLE 12FT TALL 3IN ROUND STRAIGHT MARINE GRADE ALUMINUM	POLE ARM MOUNTED LED AREA LIGHT. NOMINALLY 17IN DIAMETER X 4IN DEEP WITH 2IN ARM. ONE-PIECE SEEMLESS SPUN ALUMINUM HOUSING WITH DIECAST ALUMINUM DOOR FRAME WITH CAPTIVE GASKETED CLEAR IMPACT RESISTANT TEMPERED FLAT GLASS. TYPE II DISTRIBUTION. FULL CUTOFF DISTRIBUTION WITH MAXIMUM BUG RATING OF B4U0G3. UL WET LISTED. MANUFACTURERS STANDARD BRONZE POWDER COAT FINISH TO MATCH POLE.	BEGA, OR EQUAL	#9002LED	-	LED (4000K) 2000 LUMENS 80+ CRI PROVIDED BY MANUFACTURER	-	INTEGRAL ELECTRONIC DIMMING DRIVER	SITE PEDESTRIAN POLE
L05A		82W		SIMILAR TO TYPE "L05" EXCEPT WITH TWO HEADS ON ONE POLE, OFFSET 90 DEGREES.							
L06	120/277 24VDC	3W	WALL RECESSED	RECESSED LED STEPLIGHT. NOMINALLY 3IN SQUARE X 4IN DEEP. DIECAST ALUMINUM WITH CLEAR TEMPERED FLUSH GLASS. STAINLESS STEEL CAPTIVE HARDWARE. MANUFACTURERS STANDARD FINISH AS SELECTED BY ARCHITECT. UL WET LISTED.	BEGA, OR EQUAL	#2202LED-K4	-	LED (4000K) 20 LUMENS 80+ CRI PROVIDED BY MANUFACTURER	-	REMOTE ELECTRONIC DIMMING DRIVER	LOUNGE BENCH SQUARE STEP LIGHT
L06A	120/277	11.5W	WALL RECESSED	SIMILAR TO TYPE "L06" EXCEPT NOMINALLY 13IN LONG. HEIGHT DIMENSIONS AND FINISH TO BE THE IDENTICAL TO TYPE "L06".	BEGA, OR EQUAL	#2132LED-K4	-	LED (4000K) 100 LUMENS 80+ CRI PROVIDED BY MANUFACTURER	-	INTEGRAL ELECTRONIC DIMMING DRIVER	LOUNGE BENCH LINEAR STEP LIGHT
L07	120/277 48VDC	12W	RECESSED	RECESSED DECORATIVE DIRECT VIEW COLOR CHANGING MARKER LIGHT. FROSTED DOME LENS. NOMINALLY 5IN DIAMETER. CORROSION RESISTANT COATING UL WET LISTED.	LUMENPULSE, OR EQUAL	#LMDM-VOLT-RGB-FINISH-CRC	-	LED (RGBW) PROVIDED BY MANUFACTURER	-	REMOTE ELECTRONIC DIMMING DRIVER	LOUNGE BENCH MARKER LIGHT
L08	120/277 24VDC	2W/FT	SURFACE	SURFACE MOUNTED LINEAR TAPE LIGHT. NOMINALLY 1/8IN WIDE X 1/8IN DEEP X CONTINUOUS LENGTHS AS INDICATED ON PLANS. PROVIDE WITH MECHANICAL FASTENED MOUNTING CLIPS. LOCATE REMOTE DRIVER WITHIN MANUFACTURERS RECOMMENDED DISTANCES. UL WET LISTED.	WAC, OR EQUAL	#LED-TO24-LENGTH-WT-LEDT024/IC/EC/C1 - EN-024100-RB2-T	-	LED (4000K) 90 LUMENS/FT 80+ CRI PROVIDED BY MANUFACTURER	-	REMOTE ELECTRONIC DIMMING DRIVER	BENCH TAPE LIGHT
L09	120-277	46W	CATENARY	CATENARY LED DOWNLIGHT. NOMINALLY 18IN X 11IN OVAL PROFILE WITH 4IN DEPTH. WIDE SYMMETRIC, FULL CUTOFF DISTRIBUTION. EXTRUDED 6060 ALUMINUM HOUSING WITH FLAT TEMPERED GLASS FULLY GASKETED LENS. STAINLESS STEEL TAMPER RESISTANT HARDWARE. MANUFACTURERS STANDARD FINISH AS SELECTED BY ARCHITECT. UL WET LISTED.	HESS, OR EQUAL	#NV4002LV-NW-SME-UNV-X-FINISH-DIM	-	LED (4000K) 3,000 LUMENS 80+ CRI PROVIDED BY MANUFACTURER	-	REMOTE ELECTRONIC DIMMING DRIVER	PLAZA CATENARY LIGHTS

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UCI PROJECT NO.
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MD, AO, ZJ, CH, SG, EM, KP
CHECK
KB

ELECTRICAL SEAL

MICHAEL WALL ENGINEERING

TITLE
FIXTURE SCHEDULE

PROJECT NO.
13292.00
DATE
MAY 30, 2014

SHEET NUMBER
E0.02
DESIGN DEVELOPMENT

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ORIGINAL SHEET SIZE 30" X 42"

NOT FOR CONSTRUCTION

LIGHTING FIXTURE SCHEDULE

TYPE	VOLTAGE*	INPUT WATTAGE	MOUNTING	FIXTURE DESCRIPTION	FIXTURE		LAMP		BALLAST		NOTES
					MANUFACTURER	CATALOG #	#	CODE	#	CODE	
L24	120/277 24VDC	1.5W	SURFACE VERTICAL POSTS	VERTICAL HANDRAIL POST MOUNTED MINATURE LED DOWNLIGHT. NOMINALLY 1.5IN DIAMETER X 2IN TALL. ASYMMETRIC DISTRIBUTION. MANUFACTURERS STANDARD FINISH TO MATCH HANDRAIL FINISH. UL WET LISTED.	WAGNER, OR EQUAL	#BANTAM LUMSTCW-GY	-	LED (4000K) 60 LUMENS 80+ CRI PROVIDED BY MANUFACTURER	-	REMOTE ELECTRONIC DIMMING DRIVER	PATIO HANDRAILS
L25	120-277	30W	CATENARY	CATENARY LED DOWNLIGHT. NOMINALLY 8IN DIAMETER X 16IN DEPTH. WIDE SYMMETRIC DISTRIBUTION. EXTRUDED 6060 ALUMINUM HOUSING WITH TEMPERED GLASS FULLY GASKETED LENS. STAINLESS STEEL TAMPER RESISTANT HARDWARE. MANUFACTURERS STANDARD FINISH AS SELECTED BY ARCHITECT. UL DAMP LISTED.	HESS, OR EQUAL	#PENDO LED	-	LED (4000K) 2,000 LUMENS 80+ CRI PROVIDED BY MANUFACTURER	-	INTEGRAL ELECTRONIC DIMMING DRIVER	DINING CATENARY AT SKYLIGHTS
L25A				SIMILAR TO TYPE "L25" EXCEPT UL WET LISTED.							DINING CATENARY EXTERIOR
L26	120/277	8W/FT	CEILING SUSPENDED	PENDANT MOUNTED LINEAR LED SLOT. EXTRUDED ALUMINUM HOUSING. NOMINALLY 4IN DEEP X MAXIMUM 3.5IN WIDE X CONTINUOUS LENGTHS AS INDICATED ON PLANS. FLUSH SNAP ON SATIN LENS. MOUNT FIXTURE WITH LENS FLUSH WITH WOOD CEILING. MANUFACTURERS STANDARD BLACK FINISH HOUSING. UL DAMP LISTED.	AXIS, OR EQUAL	#BMDLED-B2-750-40-SO-LENGTH-BLACK-UNV-D-XX	-	LED (4000K) 750 LUMENS/FT 80+ CRI PROVIDED BY MANUFACTURER	-	INTEGRAL ELECTRONIC DIMMING DRIVER 100%-1%	DINING WOOD SLAT LINEAR
L26A	120/277	11W/FT	CEILING SUSPENDED	SIMILAR TO TYPE "L26" EXCEPT HIGH OUTPUT AND INTEGRAL DAYLIGHTING SENSOR.	AXIS, OR EQUAL	#BMDLED-B2-1000-40-SO-LENGTH-BLACK-UNV-D-XX-DS	-	LED (4000K) 1,000 LUMENS/FT 80+ CRI PROVIDED BY MANUFACTURER	-	INTEGRAL ELECTRONIC DIMMING DRIVER 100%-1%	GREAT ROOM WOOD SLAT LINEAR
L27	120/277	28W	CEILING SUSPENDED	PENDANT MOUNTED SQUARE CYLINDER. NOMINALLY 15IN DEEP X 6IN SQUARE. REMOTE PHOSPHOR LED MODULE TECHNOLOGY. MOUNT FIXTURE WITH BOTTOM FLUSH WITH WOOD CEILING. MEDIUM FLOOD DISTRIBUTION. MANUFACTURERS STANDARD BLACK FINISH HOUSING. UL DAMP LISTED.	V2, OR EQUAL	#VC4P-D-C-DIM-13-80-20-80-41-TB-BK-MOD	-	LED (4000K) 2,000 LUMENS 80+ CRI PROVIDED BY MANUFACTURER	-	INTEGRAL ELECTRONIC DIMMING DRIVER 100%-1%	DINING WOOD SLAT DOWNLIGHT
L28	120/277 12VAC	7W	CEILING PENDANT	PENDANT MOUNTED DECORATIVE LED. NOMINALLY 2IN DIAMETER X 6IN TALL. LENSED LIGHT SOURCE. REMOTE PHOSPHOR LED MODULE TECHNOLOGY. UL DAMP LISTED.	WILA, OR EQUAL	#CHROMA I -137-210-MC-MP	-	LED (4000K) 700 LUMENS 80+ CRI PROVIDED BY MANUFACTURER	-	REMOTE ELECTRONIC DIMMING DRIVER	DINING COUNTERS
L29	120/277	15W	CEILING SURFACE	SURFACE MOUNTED LED DOWNLIGHT. NOMINALLY 4IN DIAMETER X 6IN DEPTH. REMOTE PHOSPHOR LED MODULE TECHNOLOGY. MACHINED ALUMINUM HOUSING. DIFFUSE REFLECTOR AND 60 DEGREE BEAM DISTRIBUTION. MANUFACTURERS STANDARD FINISH AS SELECTED BY ARCHITECT.	WILA, OR EQUAL	#S608-5-4-4-DA60-80-FINISH	-	LED (4000K) 1,000 LUMENS 80+ CRI PROVIDED BY MANUFACTURER	-	INTEGRAL ELECTRONIC DIMMING DRIVER 100%-1%	RES. ENTRY AMBIENT DOWNLIGHTS
L30	120/277	39W	CEILING RECESSED	RECESSED ROUND APERTURE LED DOWNLIGHT. NOMINALLY 6IN DIAMETER X 7IN RECESSED DEPTH. MEDIUM BEAM DISTRIBUTION. COMFORT CLEAR DIFFUSE REFLECTOR. REMOTE PHOSPHOR LED MODULE TECHNOLOGY. TRIM FINISH AS SELECTED BY ARCHITECT. UL DAMP LISTED.	LIGHTOLIER, OR EQUAL	RC6L1520DL-40K-M-CCD-FINISH-VA-C6L20-N-VOLT-DIM	-	LED (4000K) 2,000 LUMENS 80+ CRI PROVIDED BY MANUFACTURER	-	INTEGRAL ELECTRONIC DIMMING DRIVER 100%-1%	DINING DROPPED SOFFIT DOWNLIGHT
L31	120/277	8W	WALL SURFACE	SURFACE MOUNTED LED BULLET. NOMINALLY 2IN STEM X 7IN LONG X 2IN DIAMETER. ADJUSTABLE LOCKING AIMABILITY. FIELD ADJUSTABLE DIMMING. PROVIDE WITH SOFT FOCUS LENS AND HONEYCOMB BAFFLE WITH 45 DEGREE CAP FOR GLARE CONTROL. MANUFACTURERS STANDARD FINISH AS SELECTED BY ARCHITECT. PAINT EXPOSED CONDUIT TO MATCH MOUNTING SURFACE. UL WET LISTED.	BK, OR EQUAL	#DS-LED-e23-MFL-A9-FINISH-12-11-A-360SL	-	LED (4000K) 350 LUMENS 80+ CRI PROVIDED BY MANUFACTURER	-	INTEGRAL ELECTRONIC DIMMING DRIVER	BALCONY AREA BULLET
					, OR EQUAL						

* VOLTAGE LISTED IS AVAILABLE RANGE FOR SELECTED FIXTURE. REFER TO ELECTRICAL CIRCUITING FOR SPECIFIED VOLTAGE.

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PROJECT
MESA COURT EXPANSION

LOCATION
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KEYMAP

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PROJECT TEAM MEMBERS
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CHECK
KB

ELECTRICAL SEAL

MICHAEL WALL ENGINEERING

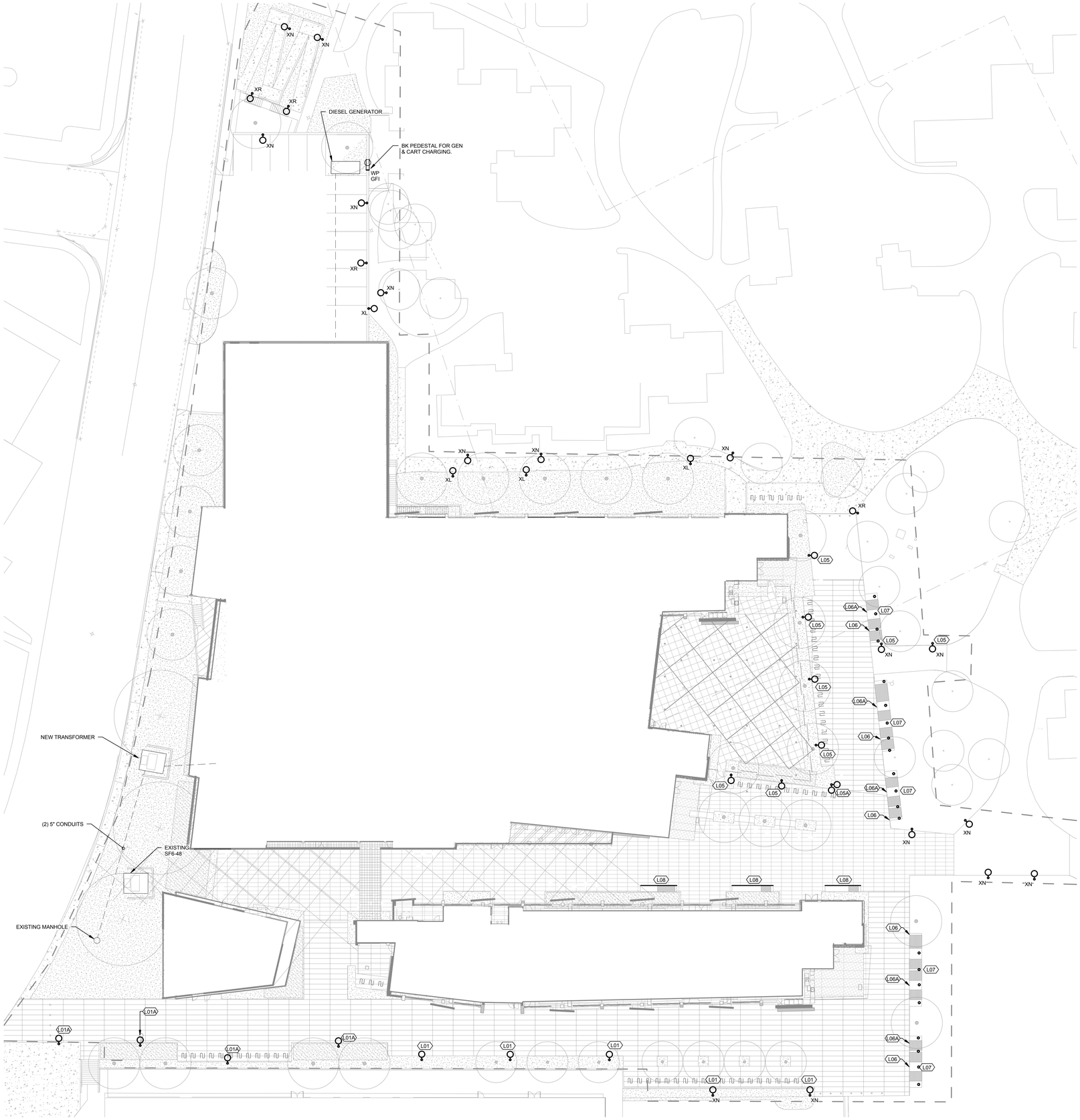
TITLE
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PROJECT NO.
13292.00
DATE
MAY 30, 2014

SHEET NUMBER
E0.03
DESIGN DEVELOPMENT
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1 SITE ELECTRICAL PLAN
1" = 20'-0"

GENERAL NOTES

1. REFER TO CIVIL UTILITY PLANS FOR ELECTRICAL SYSTEMS WORK.

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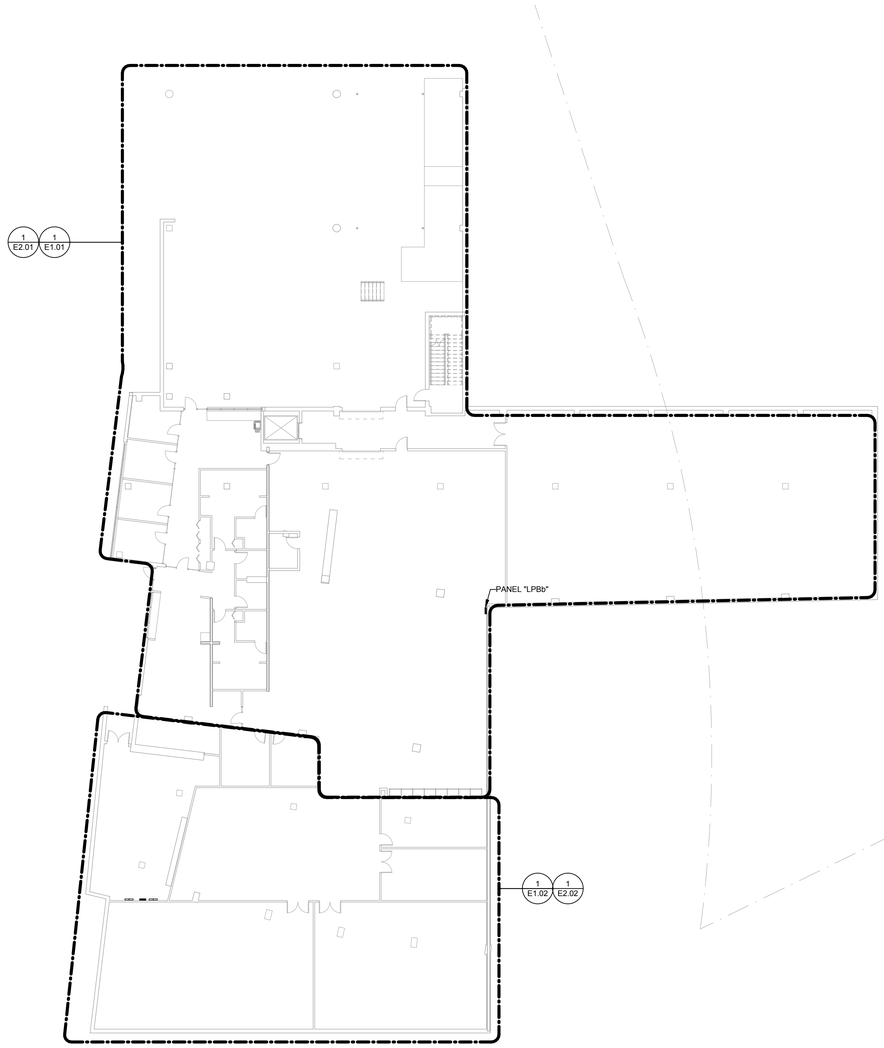
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TITLE
SITE ELECTRICAL PLAN

PROJECT NO.
13292.00
DATE
MAY 30, 2014

SHEET NUMBER
E0.10
DESIGN DEVELOPMENT
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1 BASEMENT LEVEL ELECTRICAL PLAN
1/16" = 1'-0"

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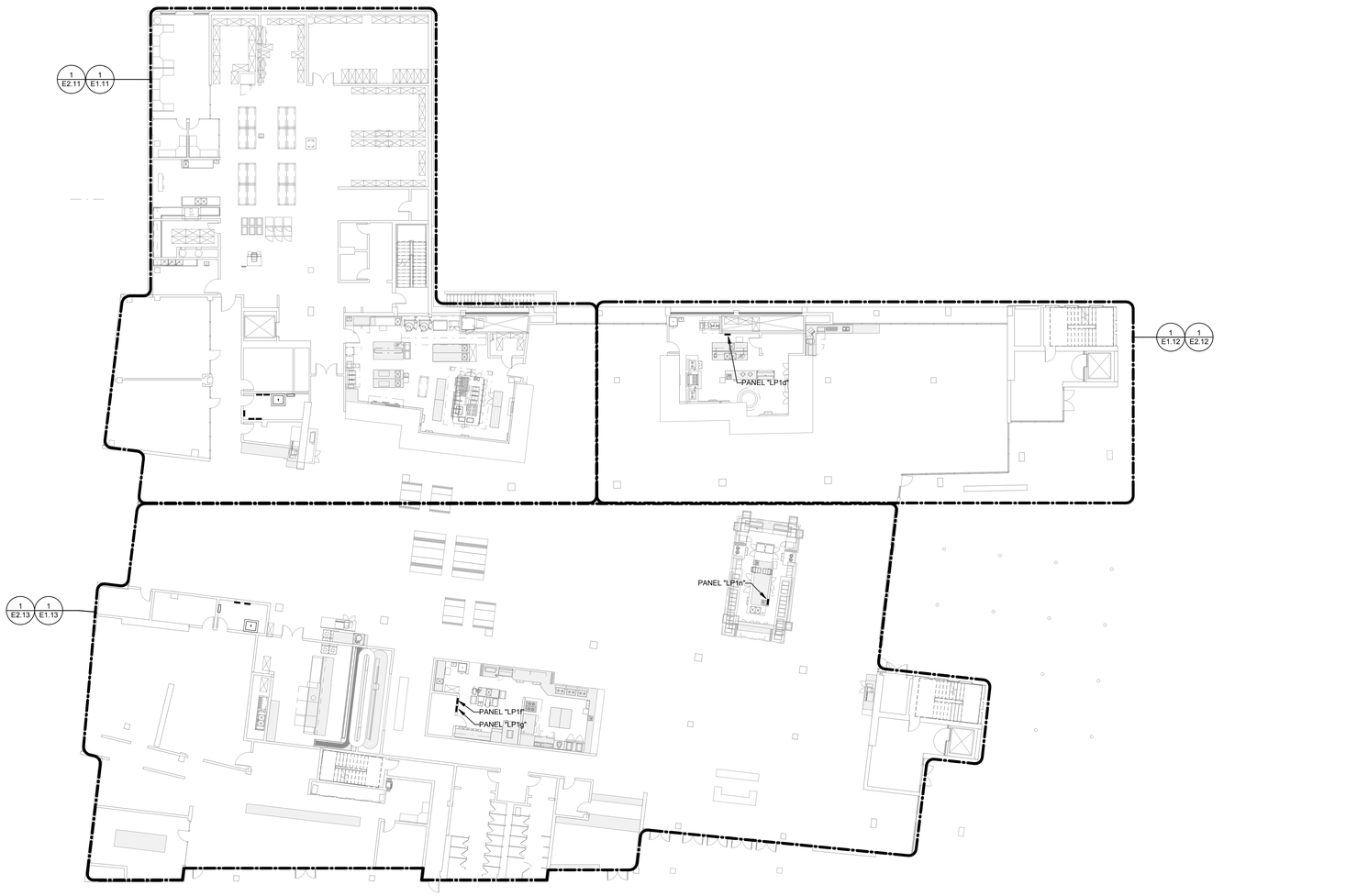
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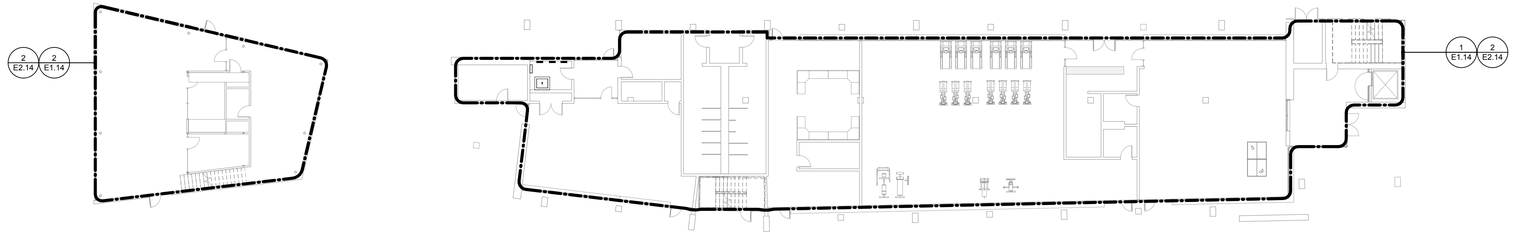
PROJECT NO.
13292.00
DATE
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1 GROUND LEVEL ELECTRICAL PLAN
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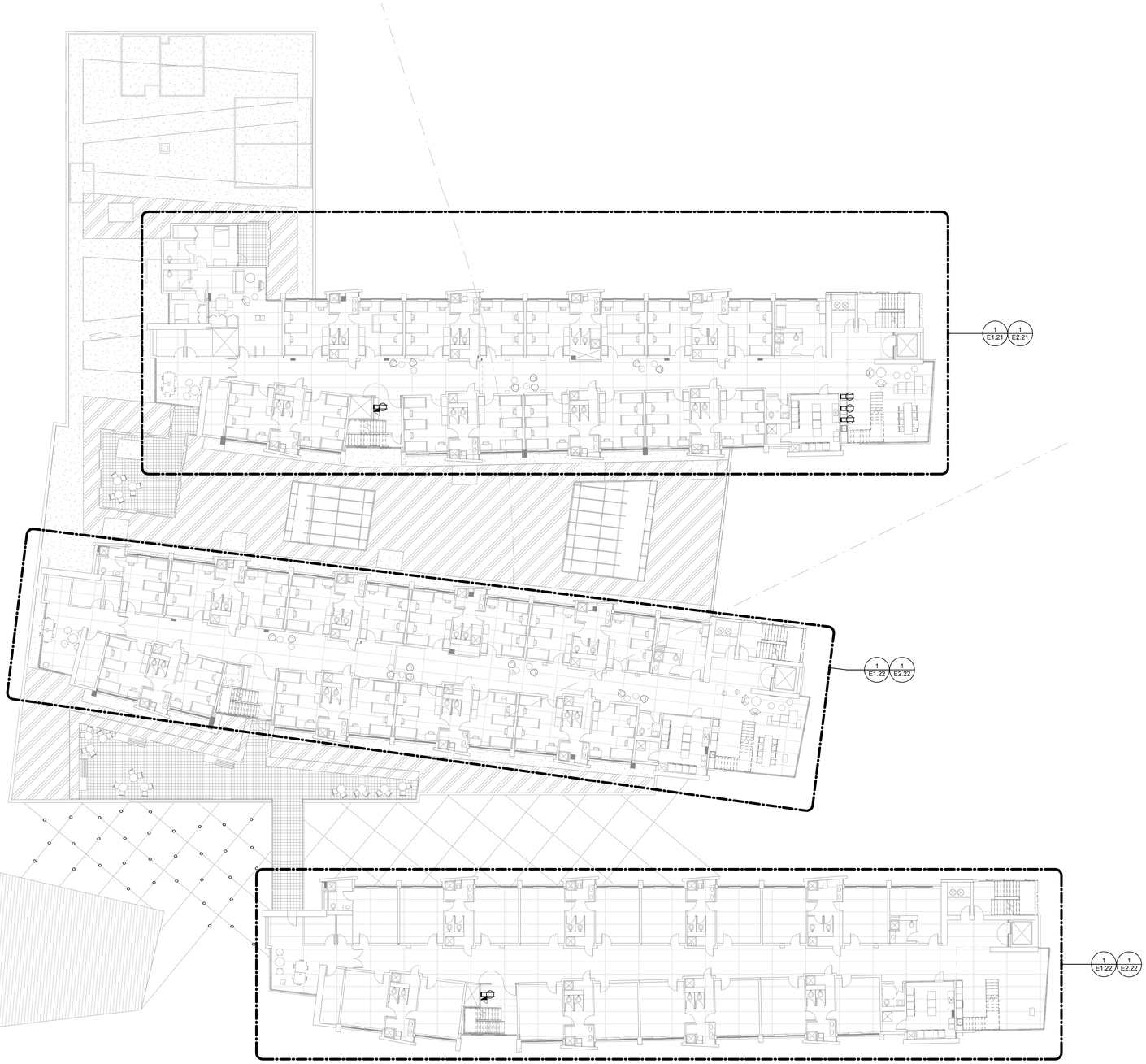
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TITLE
OVERALL GROUND LEVEL
ELECTRICAL PLAN

PROJECT NO.
13292.00
DATE
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1 LEVEL 2 ELECTRICAL PLAN - (LEVEL 3-6 SIMILAR)
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PROJECT NO.
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1 BASEMENT LEVEL POWER PLAN SECTOR 1
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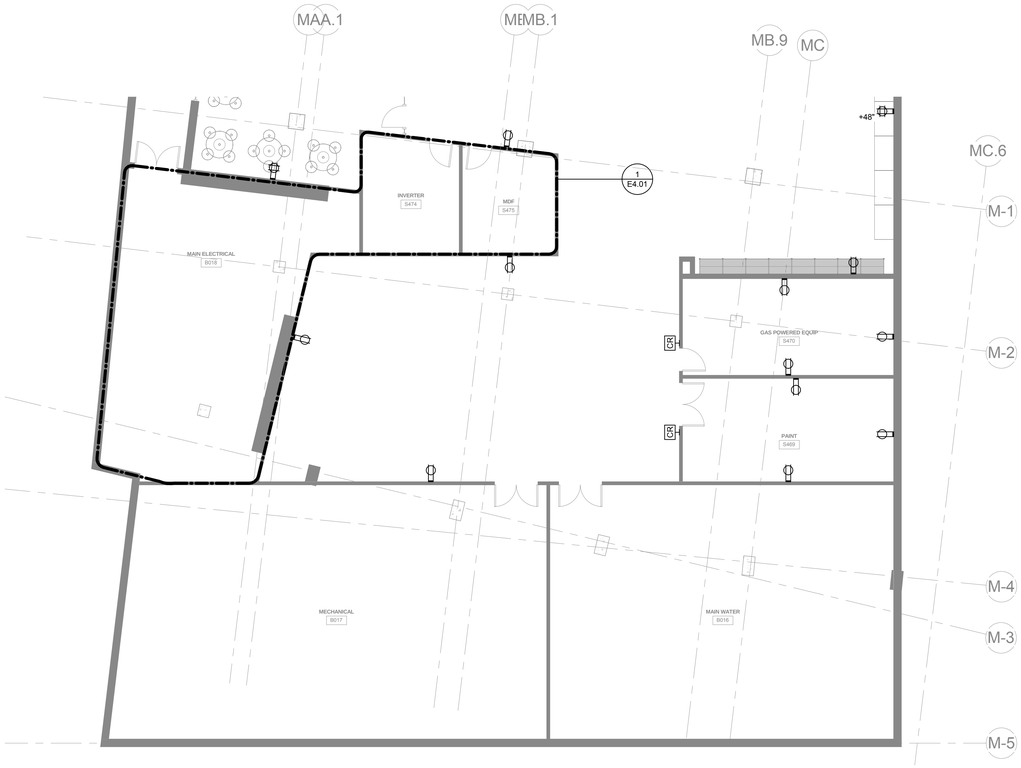
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ELECTRICAL PLAN
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PROJECT NO.
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1 GROUND FLOOR POWER PLAN TOWER 1 NORTHWEST
1/8" = 1'-0"

GENERAL NOTES

1. REFER TO KITCHEN EQUIPMENT UTILITY MATIRX FOR POWER CONNECTIONS ON SHEET E1.15

SHEET NOTES

1. 1" CONDUIT ABOVE CEILING AT PODIUM TO DINING ADMIN OFFICE.

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PREPARED FOR
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University of California, Irvine
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UCI PROJECT NO.
996296

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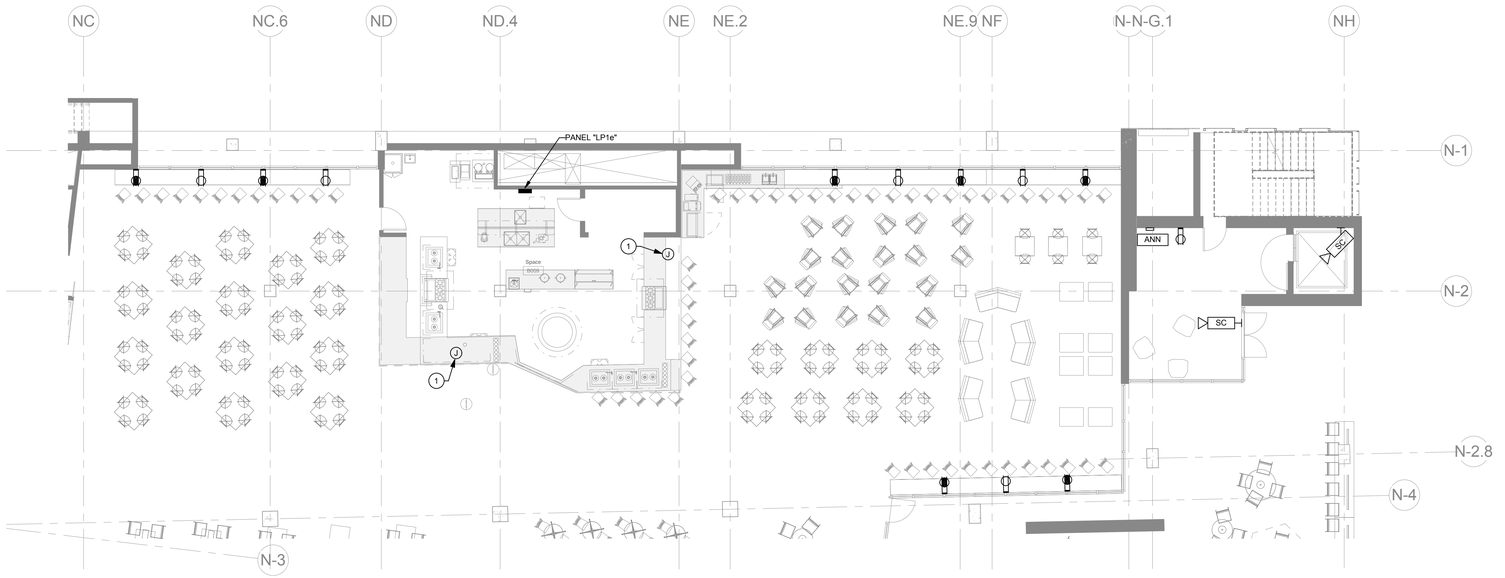
TITLE
GROUND FLOOR POWER PLAN NORTHWEST

PROJECT NO.
13292.00
DATE
MAY 30, 2014

SHEET NUMBER
E1.11
DESIGN DEVELOPMENT
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ORIGINAL SHEET SIZE 30" x 42"

NOT FOR CONSTRUCTION



1 GROUND FLOOR POWER PLAN TOWER 1 NORTHEAST

1/8" = 1'-0"

GENERAL NOTES

1. REFER TO KITCHEN EQUIPMENT UTILITY MATIRX FOR POWER CONNECTIONS ON SHEET E1.15

SHEET NOTES

1. 1" CONDUIT ABOVE CEILING AT PODIUM TO DINING ADMIN OFFICE.

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TITLE
GROUND FLOOR POWER PLAN NORTHEAST

PROJECT NO.
13292.00

DATE
MAY 30, 2014

SHEET NUMBER
E1.12

DESIGN DEVELOPMENT

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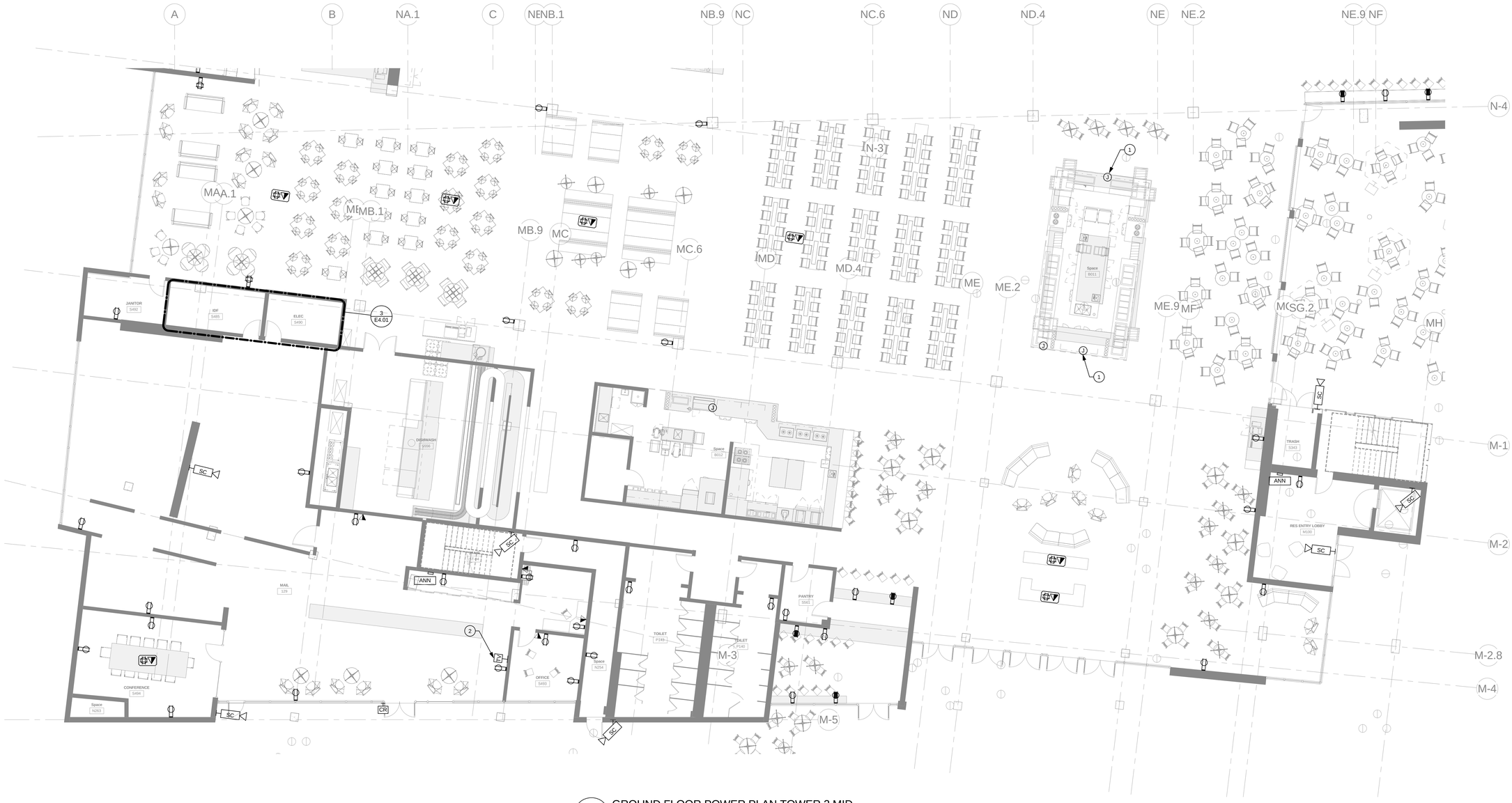
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GENERAL NOTES

1. REFER TO KITCHEN EQUIPMENT UTILITY MATIRX FOR POWER CONNECTIONS ON SHEET E1.15

SHEET NOTES

1. 1" CONDUIT ABOVE CEILING AT PODIUM TO DINING ADMIN OFFICE.
2. DATA AND RECEPTACLE FOR LEED DASHBOARD AND DIGITAL DISPLAY.



1 GROUND FLOOR POWER PLAN TOWER 2 MID
1/8" = 1'-0"

NOT FOR CONSTRUCTION

ORIGINAL SHEET SIZE 30" x 42"

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PREPARED FOR
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Design & Construction Services
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UCI PROJECT NO.
996296

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TITLE
GROUND FLOOR POWER PLAN MID

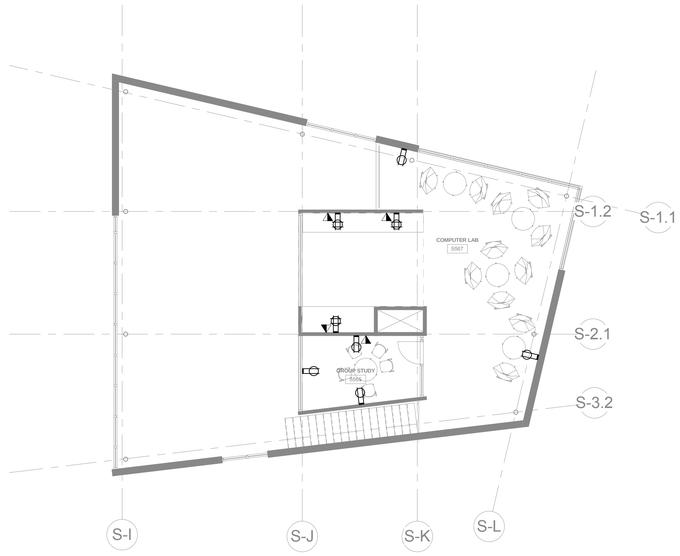
PROJECT NO.
13292.00
DATE
MAY 30, 2014

SHEET NUMBER
E1.13
DESIGN DEVELOPMENT

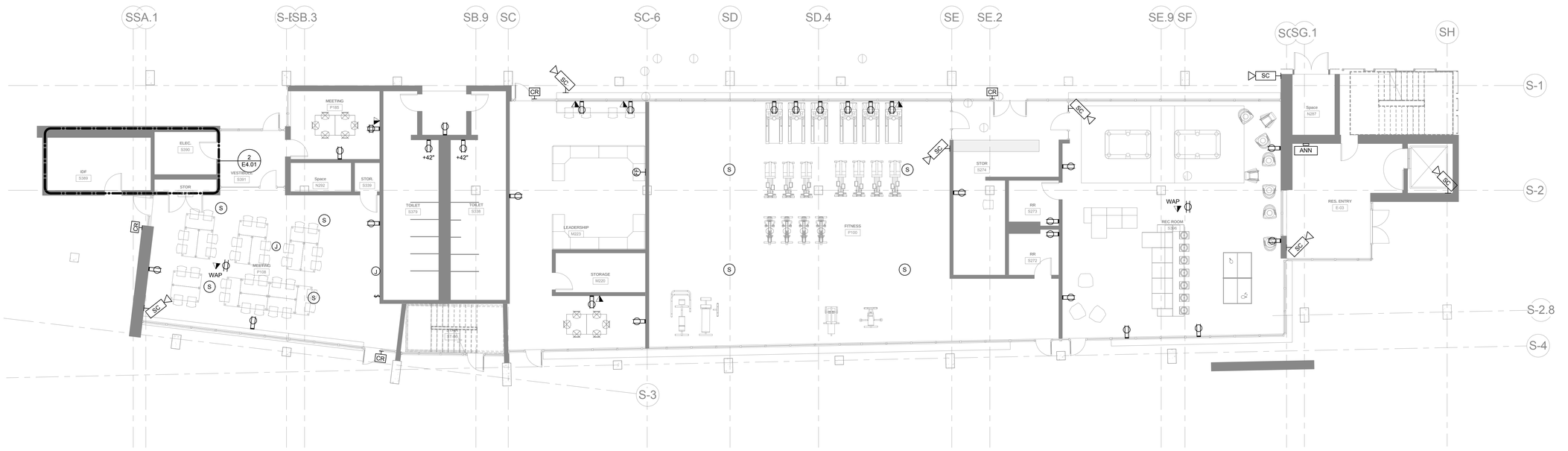
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2 GROUP FLOOR POWER PLAN TOWER 3 SOUTHWEST
1/8" = 1'-0"



3 GROUP FLOOR POWER PLAN TOWER 3 MEZZANINE
1/8" = 1'-0"



1 GROUP FLOOR POWER PLAN TOWER 3 SOUTHEAST
1/8" = 1'-0"

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PREPARED FOR

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University of California, Irvine

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UCI PROJECT NO.
996296

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MICHAEL WALL ENGINEERING

TITLE
GROUND FLOOR POWER PLAN SOUTH

PROJECT NO.
13292.00
DATE
MAY 30, 2014

SHEET NUMBER
E1.14
DESIGN DEVELOPMENT
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ORIGINAL SHEET SIZE 30" x 42"

Qty	Category	Voltage	Phase	Amps	Connection Type	Merged Remarks
OVEN/BAKE STATION						
1	Walk-In Cooler	120	1	15	HARD WIRE CONNECTION	
1	Cooler Evaporator Coil	120	1	15	HARD WIRE CONNECTION	
1	Prep Table w/ Prep Sink	120	1	15	(2) NEMA 5-20R	
1	Roll-in Refrigerator	120	1	12	NEMA 5-20R	
1	Proof Box	208	1	21	HARD WIRE CONNECTION	
1	Exhaust Hood	120	1	15	HARD WIRE CONNECTION	
1	Fire Suppression System	120	1	15	HARD WIRE CONNECTION	
1	Roll-In Oven Rack	120	1	15	HARD WIRE CONNECTION	
1	4-Open Burner Range					
1	Food Mixer, Floor	208	1	16	HARD WIRE CONNECTION	
1	Work Counter W/ Prep Sink	120	1	15	(2) NEMA 5-20R	
1	Undercounter Dishwasher	120/208	1	38	HARD WIRE CONNECTION	
1	Food Mixer, Bench	120	1	12		
1	Serving Counter	120/208 to Pre-Wired Load Center,Electrical Division to Verify				
3	Food Shield	120	1	5	NEMA 5-20R	From Load Center
1	Serving Counter	120/208 to Pre-Wired Load Center,Electrical Division to Verify				
1	Drop-in Cold Food Pan	120	1	5	NEMA 5-20R	From Load Center
1	Deck Oven- 4 tier	120	1	15	HARD WIRE CONNECTION	
1	Pizza Prep Refrigerator	120	1	6	NEMA 5-20R	
3	Heated Deck	120	1	6	NEMA 5-20R	
6	Heat Lamps, Adjustable	120	1	5	HARD WIRE CONNECTION	
1	Ice Cream Dipping Cabinet	120	1	8	NEMA 5-20R	
2	Wood Top Tables	120	1	15	NEMA 5-20R	
1	Wood Top Table	120	1	15	NEMA 5-20R	
1	Dough Press	120	1	12	NEMA 5-20R	
PRODUCE MARKET/DELI						
4	Undercounter Refrigerator	120	1	15	HARED WIRE CONNECTION	
1	Work Counter W/ Prep Sink	120/208 to Pre-Wired Load Center,Electrical Division to Verify				
		120	1	15	NEMA 5-20R	From Load Center
2	Turbo Chef Oven	208	1	46	HARED WIRE CONNECTION	From Load Center
2	Serving Counter	120/208 to Pre-Wired Load Center,Electrical Division to Verify				
1	Food Shield	120	1	5	NEMA 5-20R	From Load Center
1	Food Shield	120	1	5	NEMA 5-20R	From Load Center
4	Soup Well	120	1	7	NEMA 5-20R	From Load Center
2	Drop-In Cold Food Pan	120	1	5	NEMA 5-20R	From Load Center
1	Food Shield	120	1	5	NEMA 5-20R	From Load Center
4	Drop-In Cold Food Pan	120	1	5	NEMA 5-20R	From Load Center
1	Food Shield	120	1	5	NEMA 5-20R	From Load Center
1	Food Shield	120	1	5	NEMA 5-20R	From Load Center
2	Refrigerated Base	120	1	10	NEMA 5-20R	From Load Center
2	Food Shield	120	1	5	NEMA 5-20R	From Load Center
1	Undercounter Dishwasher	208	1	38	NEMA 5-20R	From Load Center
2	Undercounter Heated Cabinet	120	1	5	NEMA 5-20R	From Load Center
2	Refrigerated Rail	120	1	5	NEMA 5-20R	From Load Center
POS/BEVERAGE COUNTERS						
4	Undercounter Refrigerator	120	1	5	HARD WIRE CONNECTION	
5	Milk Dispenser	120	1	2	NEMA 5-20R	
4	Beverage Counter W/ Dump Sink	120	1	15	(2) NEMA 5-20R	
4	Soda/Ice Dispenser with Filter	120	1	15	NEMA 5-20R	
4	Ice Maker with Filter	208	1	12	NEMA 14-20R	
4	Juice Dispenser	120	1	15	NEMA 5-20R	
4	Tea Brewer with Filter	120	1	15	NEMA 5-20R	
2	Coffee Brewer with Filter	208	1	22.4	HARD WIRE CONNECTION	
1	Hot Chocolate Dispenser	120	1	15	NEMA 5-20R	
4	POS System	120	1	15	NEMA 5-20R	Provide Data
WAREWASH						
2	Access Panels					
1	Dish Accumulator	208	3	20	HARD WIRE CONNECTION	
1	Flight Machine	480	3	62	HARD WIRE CONNECTION	
1	Food Waste Collector	120	1	15	HARD WIRE CONNECTION	
1	Mobile Sorting Table	120	1	15	NEMA 5-20R	
COFFEE CAFÉ						
2	Undercounter Refrigerator	120	1	10	HARD WIRE CONNECTION	
1	Beverage Counter W/ Dump Sink	120	1	15	(3) NEMA 5-20R	
1	Soda/Ice Dispenser with Filter	120	1	15	NEMA 5-20R	
1	Coffee Brewer with Filter	208	1	20	HARD WIRE CONNECTION	
1	Food Shield	120	1	5	HARD WIRE CONNECTION	
1	Espresso Machine	208	1	21	NEMA 14-30R	
1	Refrigerated Diplay Case	120	1	12	HARD WIRE CONNECTION	
3	Blender	120	1	15	NEMA 5-20R	
2	POS System	120	1	15	NEMA 5-20R	Provide Data
2	Microwave/Oven	208	1	30	NEMA 14-30R	
1	Undercounter Dishwasher	120/208	1	38	HARD WIRE CONNECTION	

Qty	Category	Voltage	Phase	Amps	Connection Type	Merged Remarks
COLD/DRY STORAGE, PREP						
1	Compressor Rack	480	3	87	100A FUSED DISCONNECT	
1	Walk-In Cooler/Freezer	120	1	15	HARD WIRE CONNECTION	
2	Air Curtain	120	1	6	NEMA 5-20R	
3	Cooler Evaporator Coil	120	1	15	HARD WIRE CONNECTION	
2	Freezer Evaporator Coil	208	1	15	HARD WIRE CONNECTION	Fed From Compressor Rack
1	Bulk Walk-In Cooler	120	1	15	HARD WIRE CONNECTION	
1	Air Curtain	120	1	6	NEMA 5-20R	
1	Bulk Walk-In Freezer	120	1	15	HARD WIRE CONNECTION	
1	Air Curtain	120	1	6	NEMA 5-20R	
1	Ice Maker, Cube Style with Filter	208	3		FUSED DISCONNECT	
1	Ice Maker, Flake-Style with Filter	208	3		FUSED DISCONNECT	
1	Food Waste Collector	120	1	15	HARD WIRE CONNECTION	
1	Utensil Washer	480	3	37	60A FUSED DISCONECT	
1	Condensate Hood	120	1	15	HARD WIRE CONNECTION	
1	Prep Table w/ Prep Sinks	120	1	15	(2) NEMA 5-20R	
1	Prep Table w/ Prep Sink	120	1	15	NEMA 5-20R	
16	Work Table, Portable	120	1	15	NEMA L5-20R CORD DROP	
1	Blast Chiller Freezer, Roll-in	208	3	4	30A FUSED DISCONNECT	
4	Soda System	120	1	15	NEMA 5-20R	
1	Meat Cooler	120	1	15	HARD WIRE CONNECTION	
1	Air Curtain	120	1	6	NEMA 5-20R	
1	Cooler Evaporator Coil	120	1	15	HARD WIRE CONNECTION	
6	Heated Cabinets	120	1	15	NEMA L5-20R CORD DROP	
ENTRÉE/GRILL STATION						
1	Walk-In Cooler	120	1	15	HARD WIRE CONNECTION	
1	Cooler Evaporator Coil	120	1	15	HARD WIRE CONNECTION	
2	Prep Table w/ Prep Sink	120	1	15	(2) NEMA 5-20R	
1	Exhaust Hood	120	1	15	HARD WIRE CONNECTION	
1	Fire Suppression System	120	1	15	HARD WIRE CONNECTION	
2	Work Counter	120	1	15	NEMA 5-20R	
2	Work Counter W/ Prep Sink	120	1	15	NEMA 5-20R	
1	Food Mixer, Floor	208	1	16	HARD WIRE CONNECTION	
1	Tilting Skillet / Braising Pan	120	1	5	HARD WIRE CONNECTION	
2	Convection Steamer	120	1	6	HARD WIRE CONNECTION	
1	Tilting Kettle	120	1	5	HARD WIRE CONNECTION	
1	Tilting Kettle	120	1	5	HARD WIRE CONNECTION	
2	Combi Oven w/ smoker	120	1	6	HARD WIRE CONNECTION	
1	Rotisserie	208	1	3	HARD WIRE CONNECTION	
1	Exhaust Hood	120	1	15	HARD WIRE CONNECTION	
1	Fire Suppression System	120	1	15	HARD WIRE CONNECTION	
1	Work Counter	120	1	15	NEMA 5-20R	
1	Work Counter	120	1	15	NEMA 5-20R	
1	Island Cooking Suite	120/208	1	50	HARD WIRE CONNECTION	
1	Char-Broiler (part of Suite)					Part of Item Island Suite
1	Griddle (part of Suite)					Part of Item Island Suite
1	Fryer Assembly w/ Filter (part of Suite)					Part of Item Island Suite
1	Range w/ Oven (part of Suite)					Part of Item Island Suite
1	Refrigerated Base (part of Suite)					Part of Item Island Suite
1	Exhaust Hood	120	1	15	HARD WIRE CONNECTION	
1	Fire Suppression System	120	1	15	HARD WIRE CONNECTION	
1	Serving Counter	120/208 to Pre-Wired Load Center,Electrical Division to Verify				
2	Food Shield	120	1	5	NEMA 5-20R	From Load Center
4	Heated Dish Storage Cart	120	1	6	NEMA 5-20R	From Load Center
2	Heated Shelf	120	1	8	NEMA 5-20R	From Load Center
2	Hot/Cold Drop In Unit	120/208	1	6	NEMA 14-20R	From Load Center
2	Food Shield	120	1	5	NEMA 5-20R	From Load Center
1	Undercounter Heated Cabinet	120	1	5	NEMA 5-20R	From Load Center
1	Serving Counter	120/208 to (2) Pre-Wired Load Center,Electrical Division to Verify				
1	Drop-in cold well	120	1	5	NEMA 5-20R	From Load Center
2	Food Shield	120	1	5	NEMA 5-20R	From Load Center
1	Work Table	120	1	15	(2) NEMA 5-20R	
1	Reach-In Freezer	120	1	8	NEMA 5-20R	
1	Reach-In Refrigerator	120	1	10	NEMA 5-20R	
1	Drop-in Cold Food Pan	120	1	5	HARD WIRE CONNECTION	
1	Exhaust Hood	120	1	15	HARD WIRE CONNECTION	
1	Fire Suppression System	120	1	15	HARD WIRE CONNECTION	
3	Fryer Assembly w/ Filter	120	1	8	NEMA 5-20R	
1	Dump Station w/ Heat Lamp	120	1	8	NEMA 5-20R	
1	Refrigerated Base	120	1	11	NEMA 5-20R	
1	Charbroiler					
1	Griddle Top					
1	Food Shield	120	1	5	HARD WIRE CONNECTION	
2	Food Shield	120	1	5	HARD WIRE CONNECTION	
1	Condiment Counter	120	1	15	NEMA 5-20R	
1	Exhaust Hood	120	1	15	HARD WIRE CONNECTION	
1	Fire Suppression System	120	1	15	HARD WIRE CONNECTION	
1	Fire & Ice Range	120	1	5	NEMA 5-20R	
1	Workcounter w/ Freezer Base	120	1	12	NEMA 5-20R	
1	Undercounter Dishwasher	120/208	1	38	HARD WIRE CONNECTION	
1	Food Processor	120	1	7	NEMA 5-20R	
1	Worktable w/ sink	120	1	15	(2) NEMA 5-20R	
10	Heat Lamps, Adjustable	120	1	5	HARD WIRE CONNECTION	
SAUTE/TEACHING/BREAKFAST-ALL-DAY						
1	Walk-In Cooler	120	1	15	HARD WIRE CONNECTION	
1	Cooler Evaporator Coil	120	1	15	HARD WIRE CONNECTION	
1	Prep Table w/ Prep Sink	120	1	15	(2) NEMA 5-20R	
1	Prep Table w/ Prep Sinks	120	1	15	(2) NEMA 5-20R	
1	Serving Counter	120/208 to Pre-Wired Load Center,Electrical Division to Verify				
5	Hot/Cold Drop-In Unit	120/208	1	6	NEMA 14-20R	From Load Center
2	Food Shield	120	1	5	NEMA 5-20R	From Load Center
1	Mongolian Barbeque Range	120	1	5	HARD WIRE CONNECTION	
2	Exhaust Hood	120	1	15	HARD WIRE CONNECTION	
2	Fire Suppression System	120	1	15	HARD WIRE CONNECTION	
1	Serving Counter	120/208 to Pre-Wired Load Center,Electrical Division to Verify				
1	Food Shield	120	1	5	NEMA 5-20R	From Load Center
2	Rice Cooker	120	1	13	NEMA 5-20R	
2	Food Shield	120	1	5	NEMA 5-20R	From Load Center
2	Fire & Ice Range	120	1	5	NEMA 5-20R	From Load Center
2	Refrigerated Base	120	1	10	NEMA 5-20R	From Load Center
1	Exhaust Hood	120	1	15	HARD WIRE CONNECTION	
1	Fire Suppression System	120	1	15	HARD WIRE CONNECTION	
1	Undercounter Dishwasher	120/208	1	38	HARD WIRE CONNECTION	
1	Sandwich Prep Refrigerator	120	1	9	NEMA 5-20R	
1	Soy Milk Dispenser	120	1	2	NEMA 5-20R	
1	Coffee Brewer with Filter	208	1	22.4	HARD WIRE CONNECTION	
1	Milk Dispenser	120	1	2	NEMA 5-20R	
1	Undercounter Refrigerator	120	1	5	HARD WIRE CONNECTION	
1	Cereal Counter	120	1	15	NEMA 5-20R	
1	Condiment Counter	120	1	15	NEMA 5-20R	
2	Waffle Maker	208	1	12	NEMA 14-20R	
1	Food Processor	120	1	7	NEMA 5-20R	
1	Exhaust Hood	120	1	15	HARD WIRE CONNECTION	
1	Fire Suppression System	120	1	15	HARD WIRE CONNECTION	
1	Fryer Assembly	120	1	8	NEMA 5-20R	
1	Dump Station	120	1	8	NEMA 5-20R	
1	Trunnion Kettle Assembly	120	1	5	NEMA 5-20R	
1	Heated Cabinet	120	1	15	NEMA 5-20R	
1	Work Counter	120	1	15	NEMA 5-20R	
8	Heat Lamps, Adjustable	120	1	5	HARD WIRE CONNECTION	

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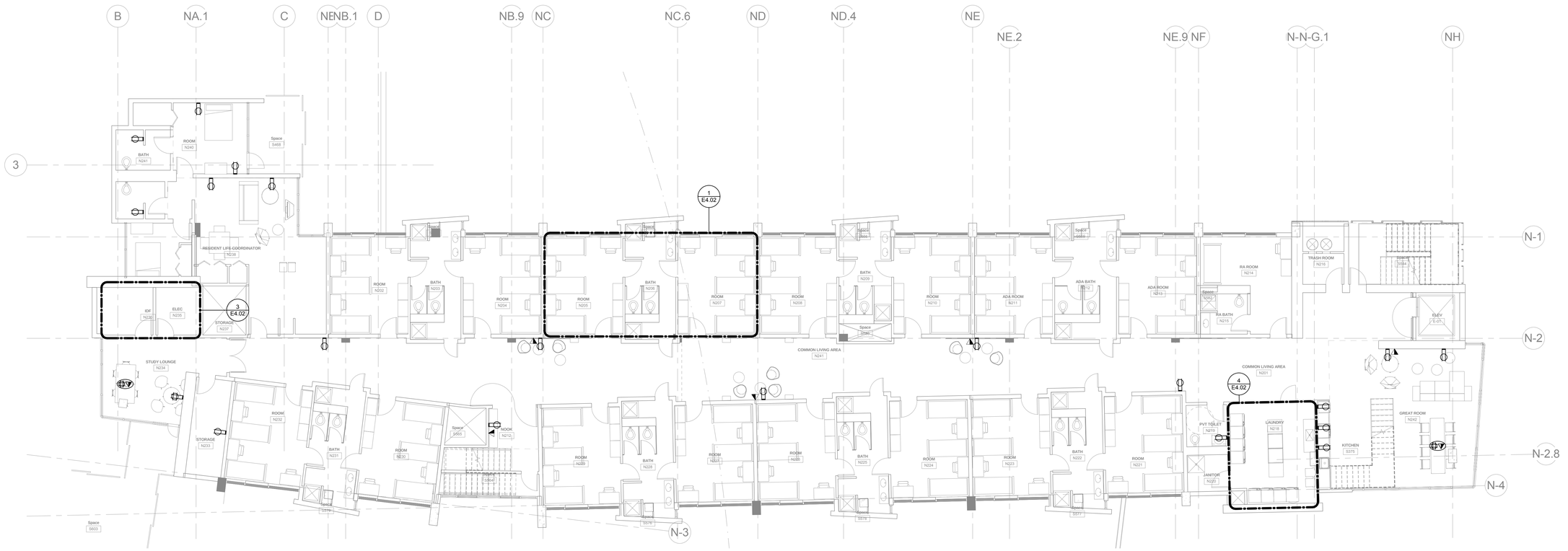
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MICHAEL WALL ENGINEERING

TITLE
KITCHEN EQUIPMENT SCHEDULE

PROJECT NO.
13292.00
DATE
MAY 30, 2014

SHEET NUMBER
E1.15
DESIGN DEVELOPMENT
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1 LEVEL 2 POWER PLAN TOWER 1
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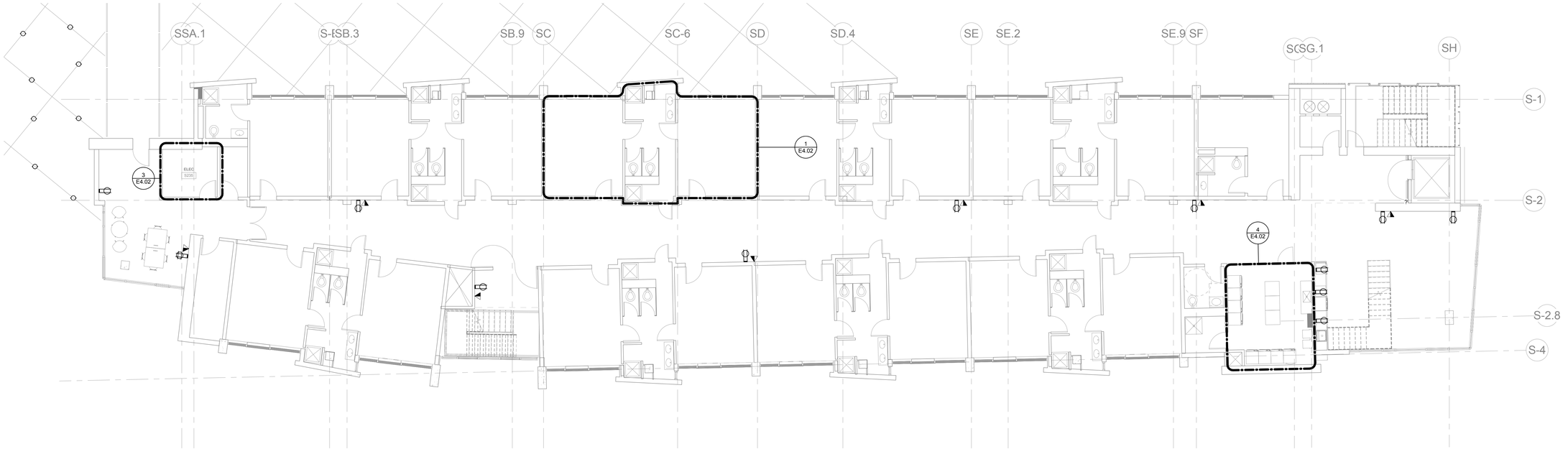
TITLE
LEVEL 2 POWER PLAN
TOWER 1

PROJECT NO.
13292.00
DATE
MAY 30, 2014

SHEET NUMBER
E1.21
DESIGN DEVELOPMENT

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1 POWER PLAN TOWER 1(LEVEL 3-6 SIMILAR), TOWER 2 & 3(LEVEL 2-6 SIMILAR)
1/8" = 1'-0"

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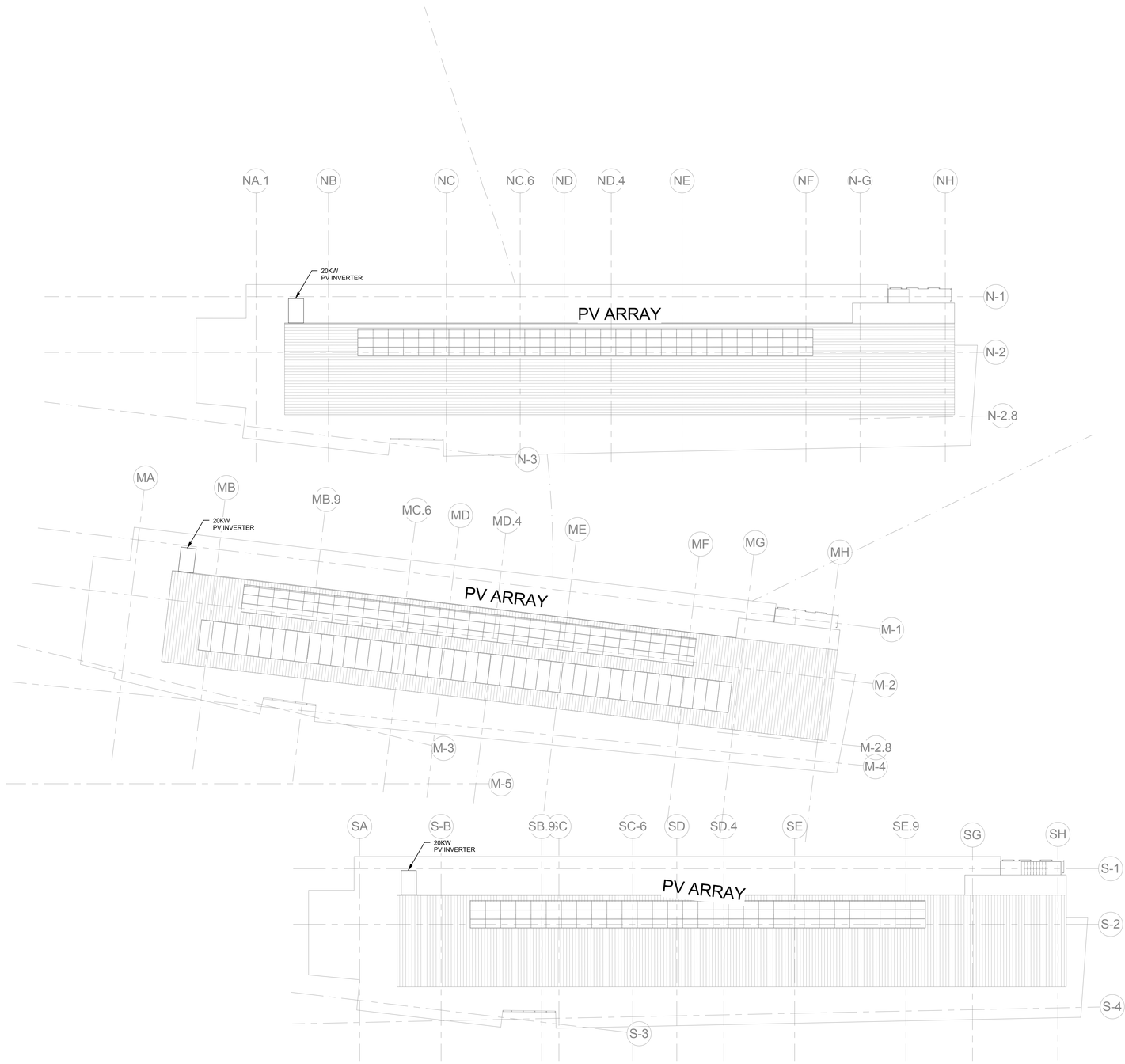
TITLE
POWER PLAN TOWER 1(LEVEL 3-6 SIMILAR), TOWER 2 & 3(LEVEL 2-6 SIMILAR)

PROJECT NO.
13292.00
DATE
MAY 30, 2014

SHEET NUMBER
E1.22
DESIGN DEVELOPMENT

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1 ROOF ELECTRICAL PLAN
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ROOF ELECTRICAL PLAN

PROJECT NO.
13292.00
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1 BASEMENT LEVEL LIGHTING PLAN SECTOR 1
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Design & Construction
Services
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Irvine, CA 92697

UCI PROJECT NO.
996296

KEYMAP

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PROJECT ARCHITECT
TN
PROJECT TEAM MEMBERS
MD, AO, ZJ, CH, SG, EM, KP
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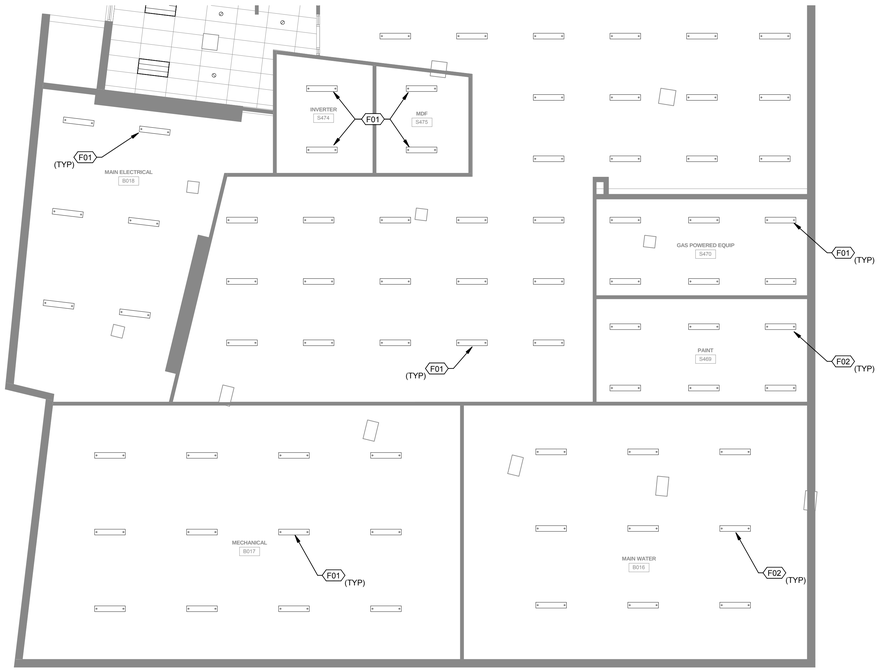
MICHAEL WALL ENGINEERING

TITLE
BASEMENT LEVEL
LIGHTING SECTOR 1

PROJECT NO.
13292.00
DATE
MAY 30, 2014

SHEET NUMBER
E2.01
DESIGN DEVELOPMENT
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ORIGINAL SHEET SIZE: 36" x 42"



1 BASEMENT LEVEL LIGHTING SECTOR 2
1/8" = 1'-0"

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PROJECT
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KEYMAP

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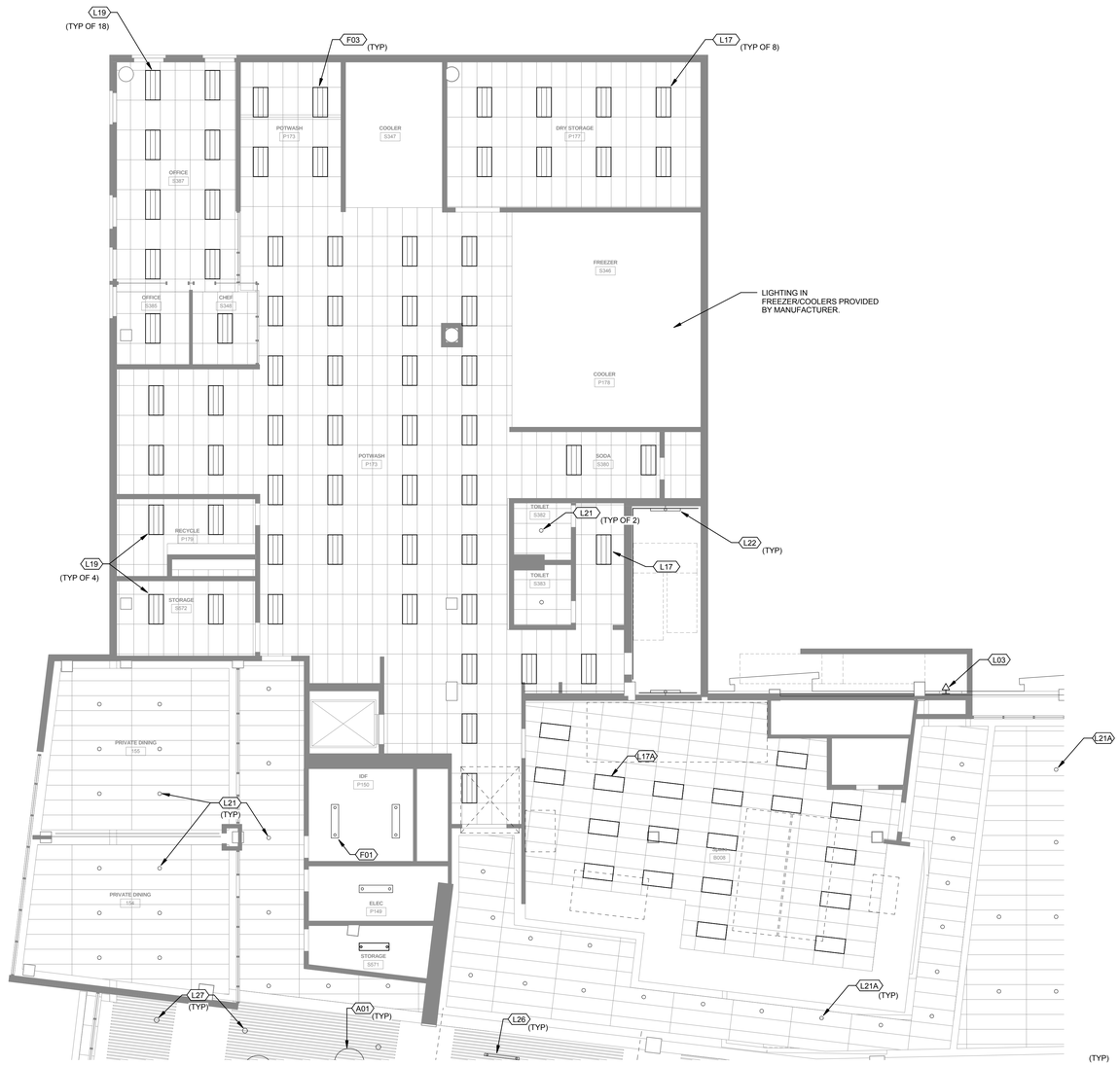
TITLE
BASEMENT LEVEL
LIGHTING SECTOR 2

PROJECT NO.
13292.00
DATE
MAY 30, 2014

SHEET NUMBER
E2.02
DESIGN DEVELOPMENT
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1 GROUND FLOOR LIGHTING PLAN TOWER 1 NORTHWEST
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KEYMAP

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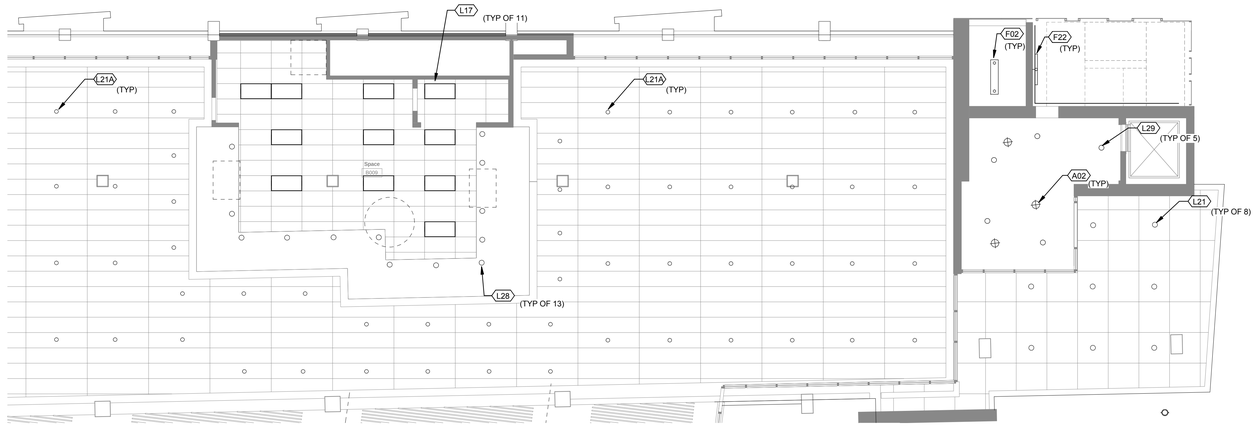
TITLE
GROUND FLOOR LIGHTING PLAN TOWER 1 NORTHWEST

PROJECT NO.
13292.00
DATE
MAY 30, 2014

SHEET NUMBER
E2.11
DESIGN DEVELOPMENT
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ORIGINAL SHEET SIZE 30" x 42"

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1 GROUND FLOOR LIGHTING PLAN TOWER 1 NORTHEAST
1/8" = 1'-0"

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ELECTRICAL SEAL

MICHAEL WALL ENGINEERING

TITLE
GROUND FLOOR
LIGHTING PLAN TOWER 1
NORTHEAST

PROJECT NO.
13292.00
DATE
MAY 30, 2014

SHEET NUMBER
E2.12
DESIGN DEVELOPMENT
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1 GROUND FLOOR LIGHTING PLAN TOWER 2 MID
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TITLE
GROUND FLOOR LIGHTING PLAN TOWER 2 MID

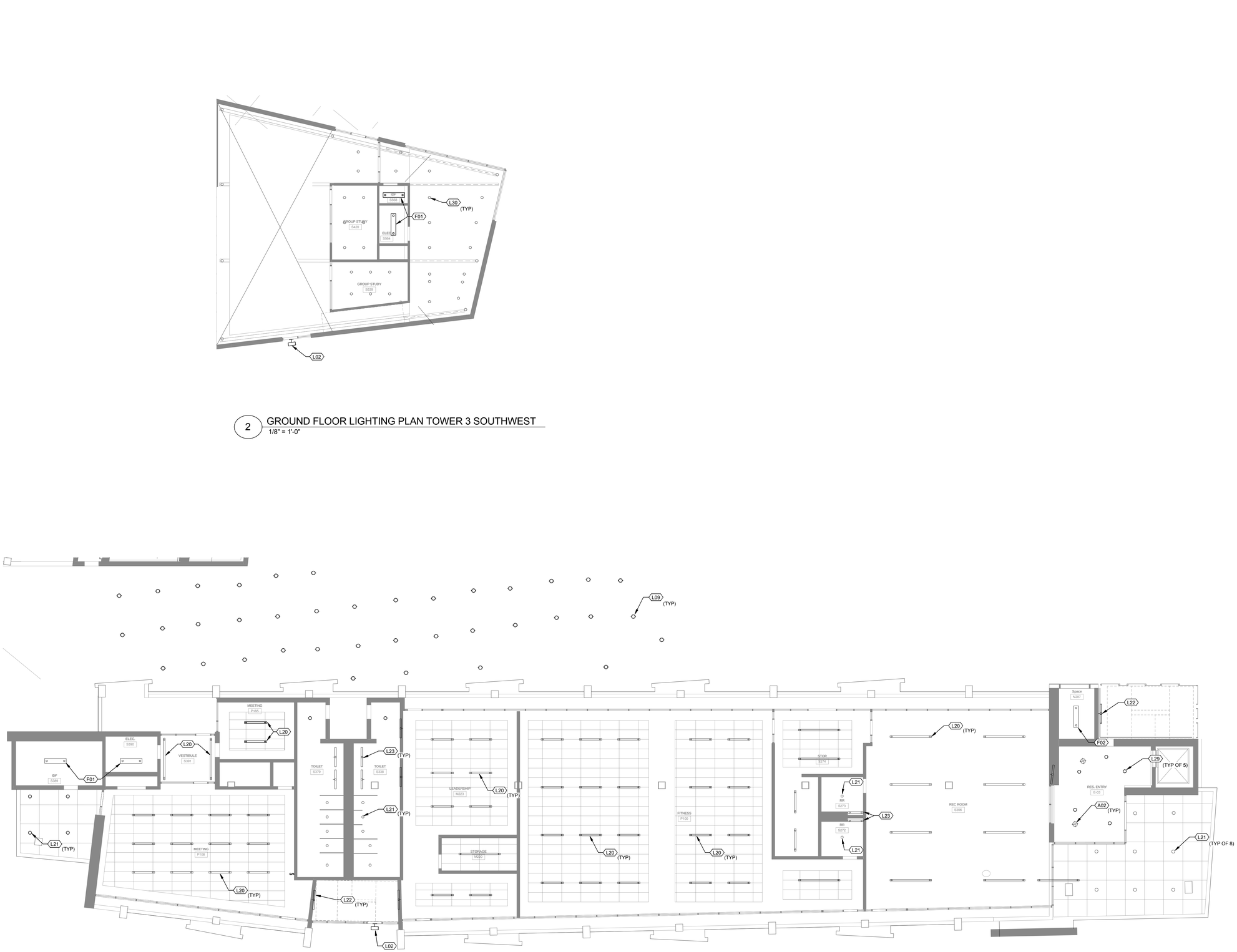
PROJECT NO.
13292.00
DATE
MAY 30, 2014

SHEET NUMBER
E2.13
DESIGN DEVELOPMENT

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2 GROUP FLOOR LIGHTING PLAN TOWER 3 SOUTHWEST
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1 GROUND FLOOR LIGHTING PLAN TOWER 3 SOUTHEAST
1/8" = 1'-0"

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PROJECT TEAM MEMBERS
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ELECTRICAL SEAL:

MICHAEL WALL ENGINEERING

TITLE
GROUND FLOOR
LIGHTING PLAN TOWER 3
SOUTH

PROJECT NO.
13292.00
DATE
MAY 30, 2014

SHEET NUMBER
E2.14
DESIGN DEVELOPMENT
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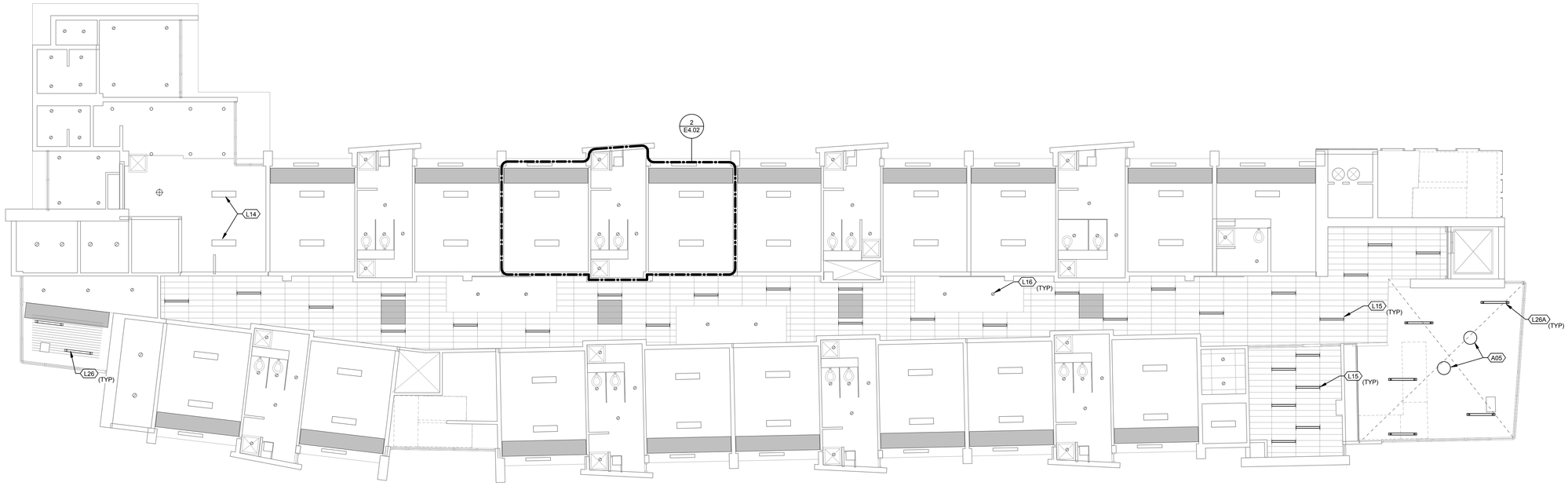
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TITLE
LEVEL 2 EXTERIOR
LIGHTING

PROJECT NO.
13292.00
DATE
MAY 30, 2014

SHEET NUMBER
E2.20
DESIGN DEVELOPMENT
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1 LEVEL 2 LIGHTING PLAN TOWER 1
1/8" = 1'-0"

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MD, AO, ZJ, CH, SG, EM, KP
CHECK
KB

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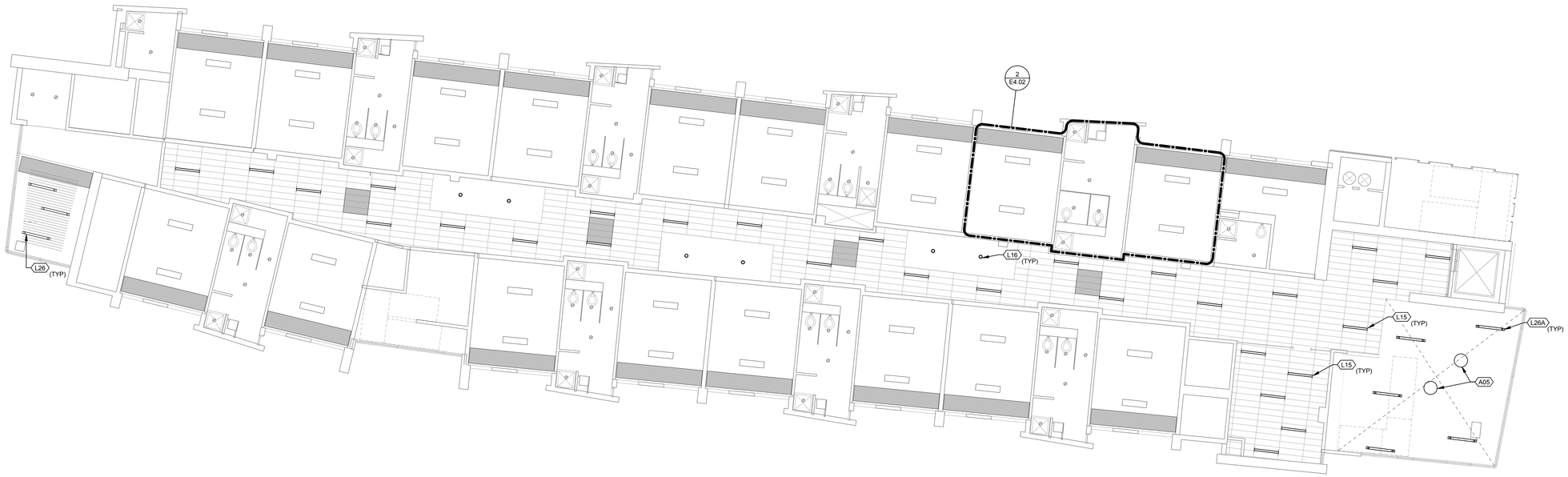
TITLE
LEVEL 2 LIGHTING PLAN
TOWER 1

PROJECT NO.
13292.00
DATE
MAY 30, 2014

SHEET NUMBER
E2.21
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ORIGINAL SHEET SIZE:30" x 42"

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1 LEVEL 2 LIGHTING PLAN - (LEVEL 3-6 SIMILAR)
1/8" = 1'-0"

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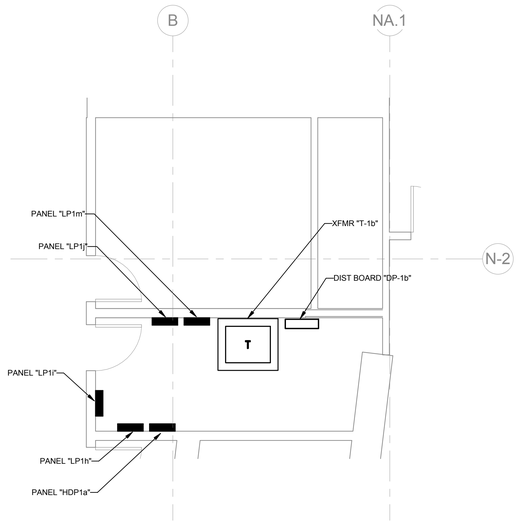
TITLE
LIGHTING PLAN TOWER 1(LEVEL 3-6 SIMILAR), TOWER 2 & 3(LEVEL 2-6 SIMILAR)

PROJECT NO.
13292.00
DATE
MAY 30, 2014

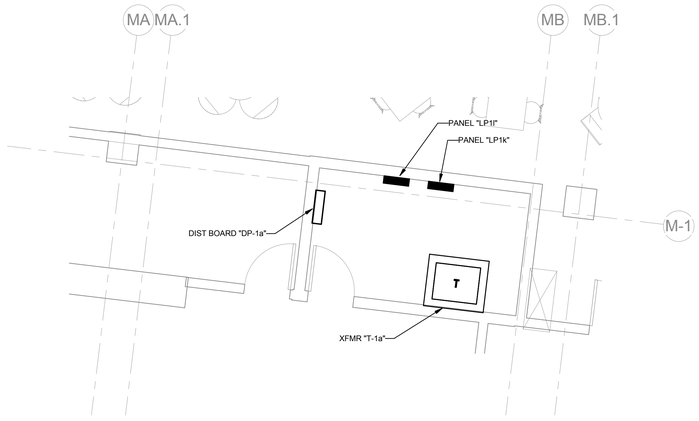
SHEET NUMBER
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DESIGN DEVELOPMENT

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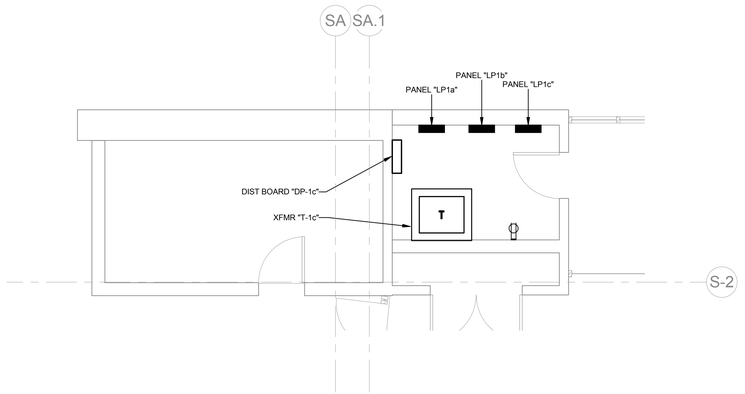
ORIGINAL SHEET SIZE 30" x 42"



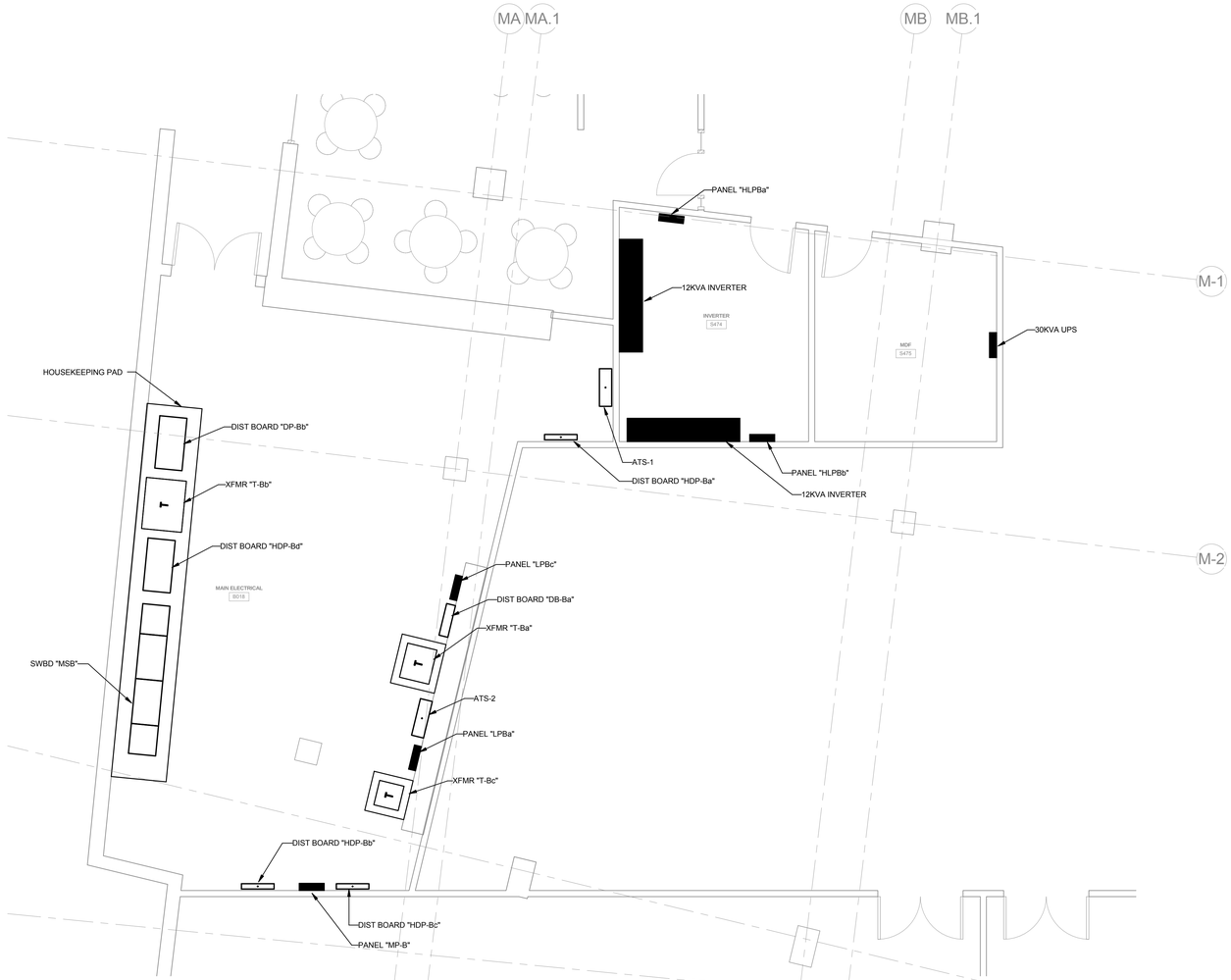
4 ENLARGED ELEC P149 & IDF P150 - GROUND LEVEL
1/4" = 1'-0"



3 ENLARGED ELEC P126, P183 & IDF P127 - GROUND LEVEL
1/4" = 1'-0"



2 ENLARGED ELEC P109, P161 & IDF P110 - GROUND LEVEL
1/4" = 1'-0"



1 ENLARGED ELECTRICAL ROOMS BASEMENT
1/4" = 1'-0"

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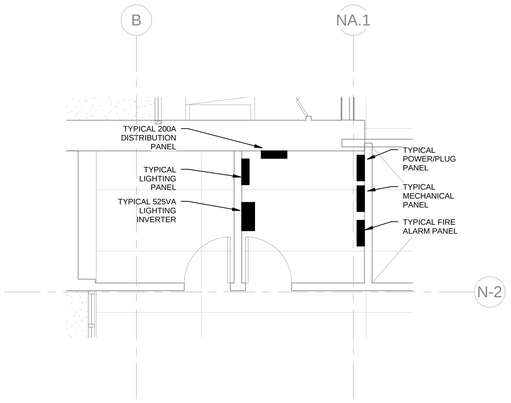
TITLE
ENLARGED ELECTRICAL
ROOMS

PROJECT NO.
13292.00
DATE
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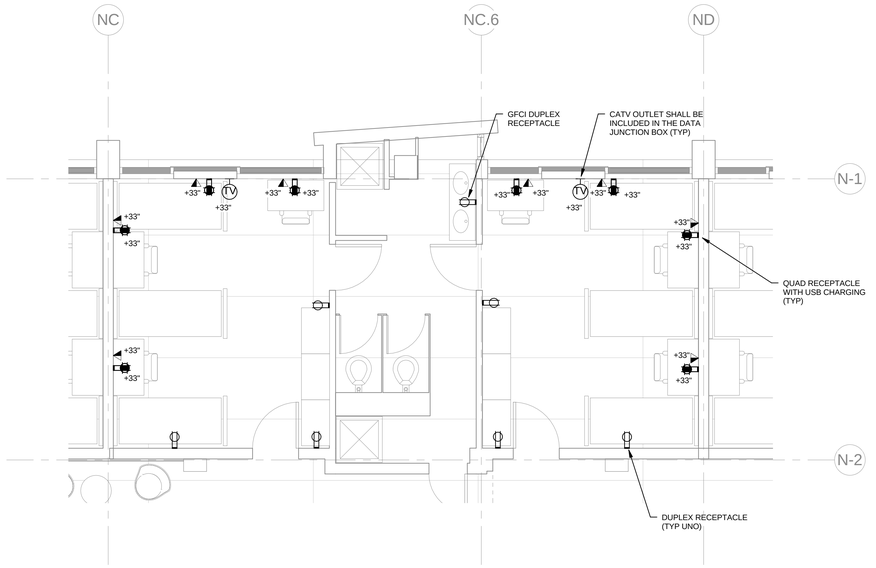
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3 TYPICAL TOWER IDF & ELECTRICAL CLOSET
1/4" = 1'-0"



1 TYPICAL SUITE POWER PLAN
1/4" = 1'-0"

4 TYPICAL LAUNDRY POWER PLAN
1/4" = 1'-0"

2 TYPICAL SUITE LIGHTING PLAN
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ELECTRICAL SEAL

MICHAEL WALL ENGINEERING

TITLE
ENLARGED TOWER ELECTRICAL AND SUITE ROOM

PROJECT NO.
13292.00
DATE
MAY 30, 2014

SHEET NUMBER
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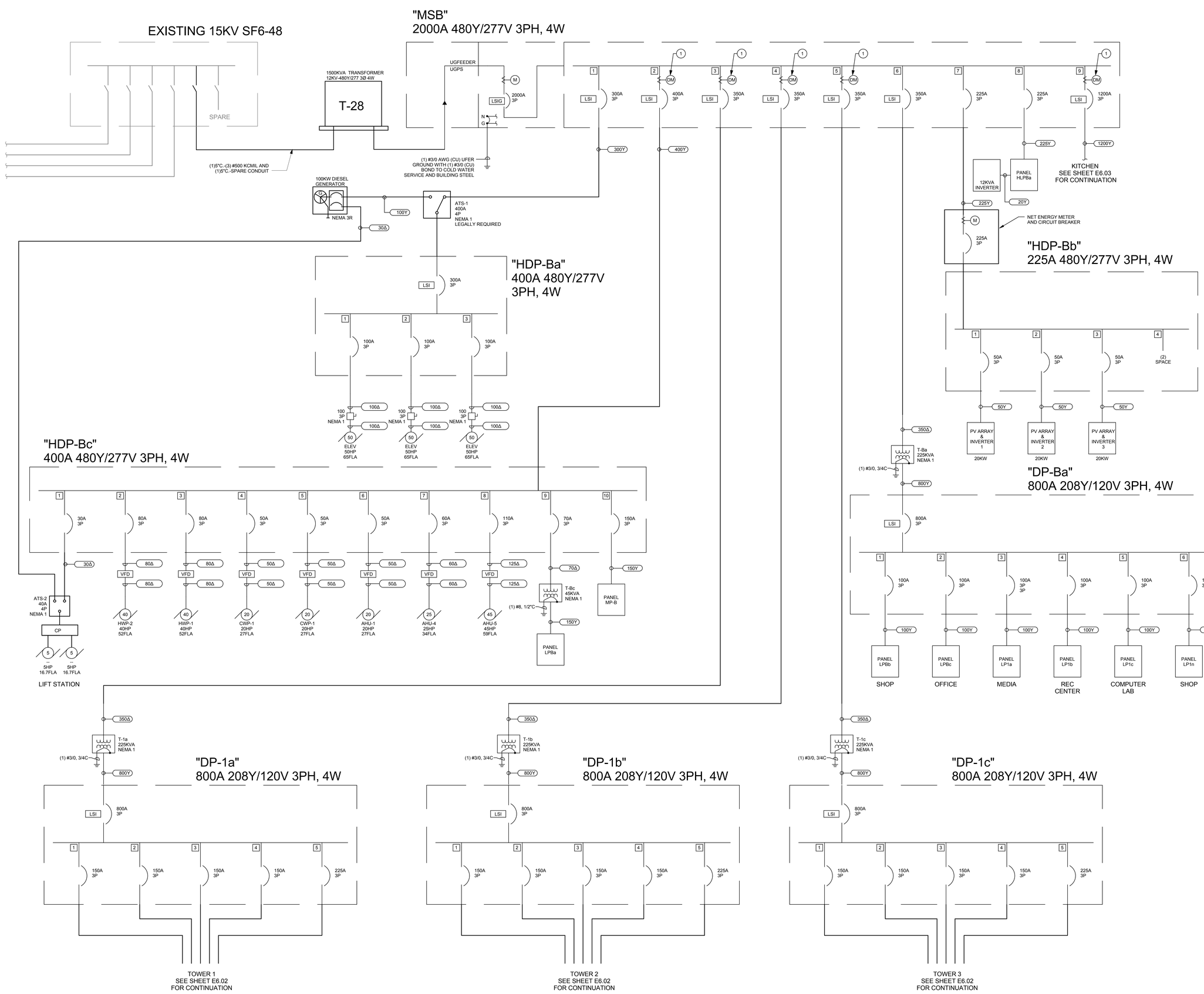
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GENERAL NOTES

1. PROVIDE BUSSING AND BREAKERS TO ALLOW FOR 25% SPARE CAPACITY ON ALL DISTRIBUTION BOARDS

KEY NOTES (X)

1. METERS FOR LEED DASHBOARD.



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ELECTRICAL SEAL

MICHAEL WALL ENGINEERING

TITLE
SINGLE LINE DIAGRAM - MAIN

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13292.00
DATE
MAY 30, 2014

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DESIGN DEVELOPMENT

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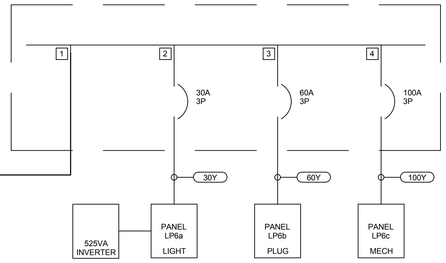
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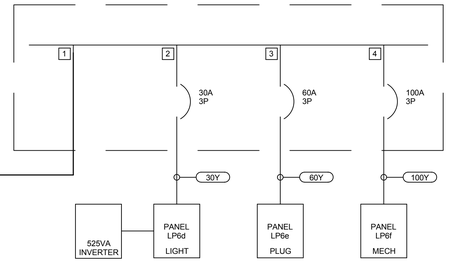
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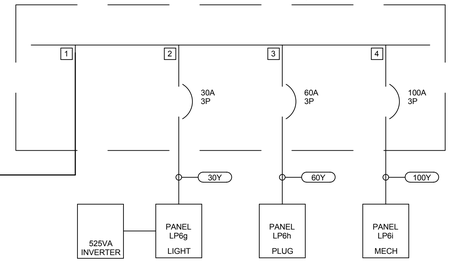
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"DP-6b" 200A 208Y/120V 3PH, 4W

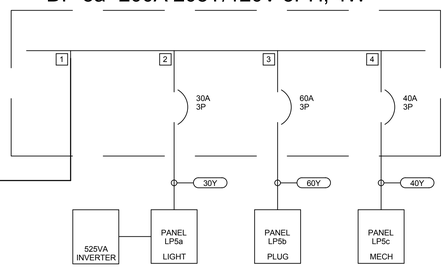


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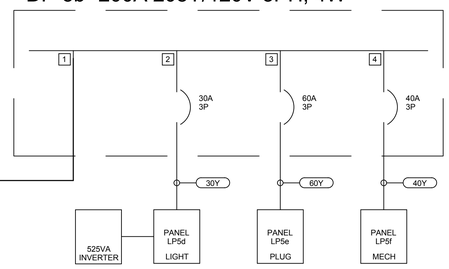


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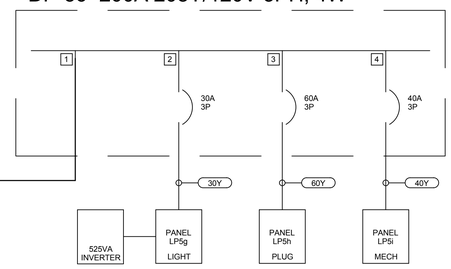
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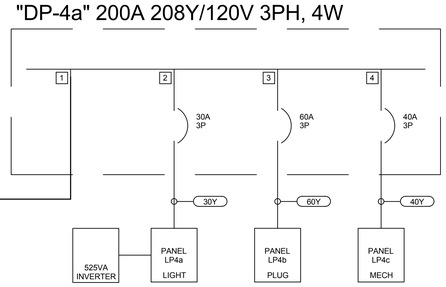


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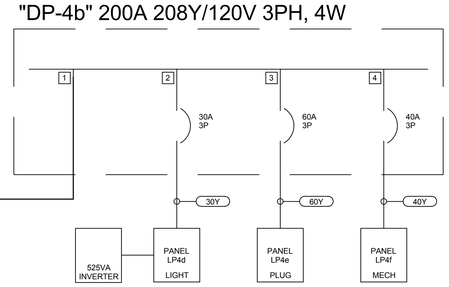


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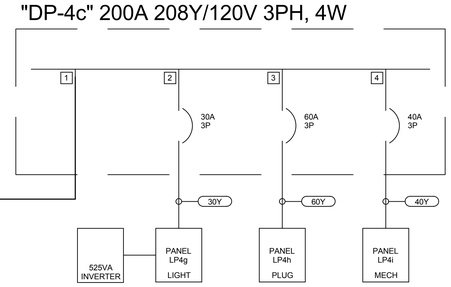
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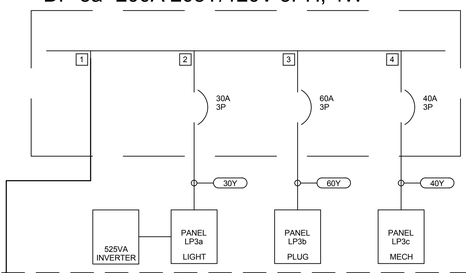


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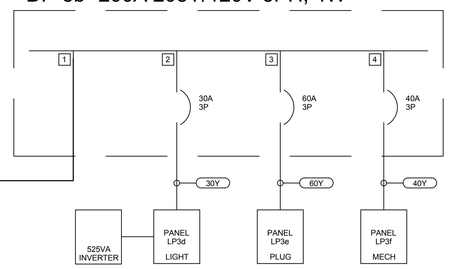


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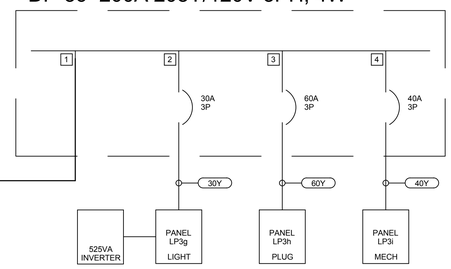
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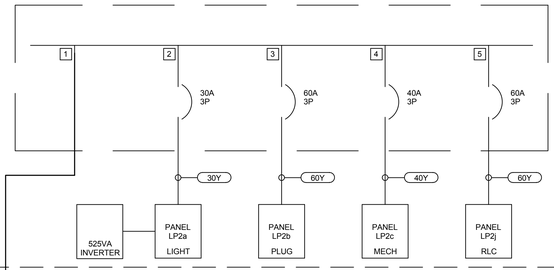


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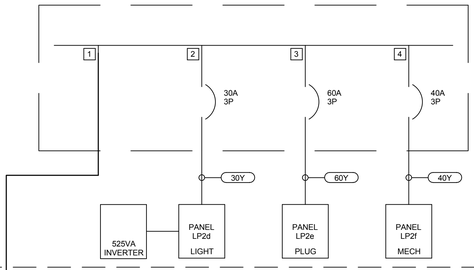


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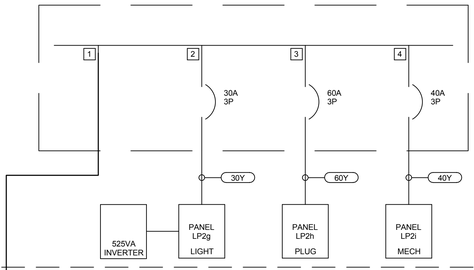
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"DP-2b" 200A 208Y/120V 3PH, 4W



"DP-2c" 200A 208Y/120V 3PH, 4W



SECOND FLOOR

TOWER 1
SEE SHEET E6.01
FOR CONTINUATION

TOWER 2
SEE SHEET E6.01
FOR CONTINUATION

TOWER 3
SEE SHEET E6.01
FOR CONTINUATION

GENERAL NOTES

1. PROVIDE BUSSING AND BREAKERS TO ALLOW FOR 25% SPARE CAPACITY ON ALL DISTRIBUTION BOARDS

NOT FOR CONSTRUCTION

ORIGINAL SHEET SIZE 30" x 42"

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PROJECT
MESA COURT EXPANSION

LOCATION
IRVINE, CA

PREPARED FOR

UCI
University of California, Irvine

Design & Construction Services
5201 California Ave Suite 250
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UCI PROJECT NO.
996296

KEYMAP

NO.	DATE	REVISION

PROJECT DIRECTOR
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PROJECT MANAGER
BL
PROJECT ARCHITECT
TN
PROJECT TEAM MEMBERS
MD, AO, ZJ, CH, SG, EM, KP
CHECK
KB

ELECTRICAL SEAL

MICHAEL WALL ENGINEERING

TITLE
SINGLE LINE DIAGRAM - TOWERS

PROJECT NO.
13292.00
DATE
MAY 30, 2014

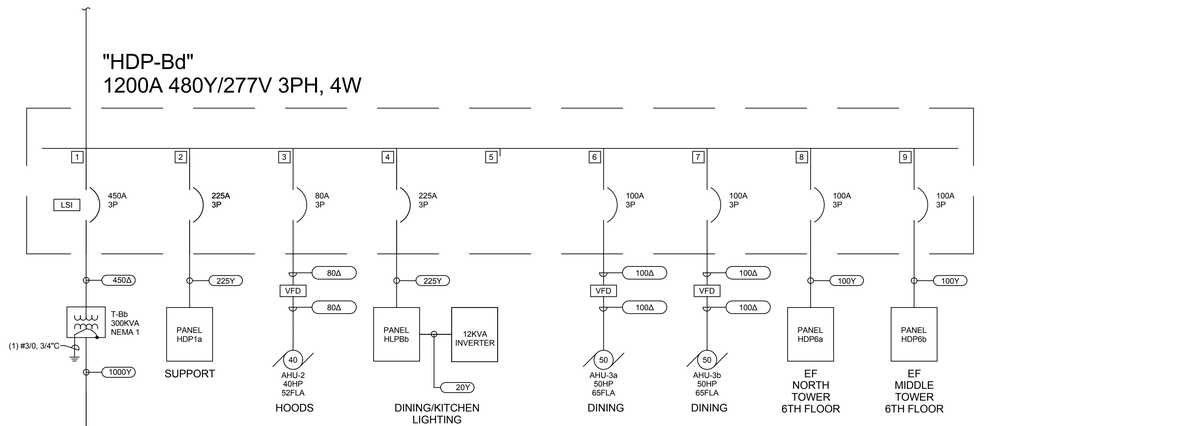
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E6.02
DESIGN DEVELOPMENT

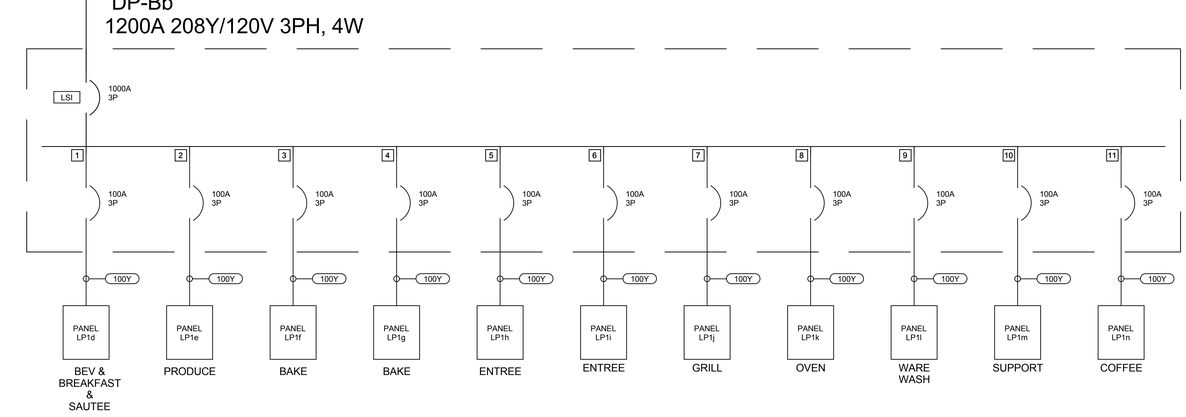
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GENERAL NOTES

1. PROVIDE BUSSING AND BREAKERS TO ALLOW FOR 25% SPARE CAPACITY ON ALL DISTRIBUTION BOARDS

SEE SHEET E6.01
FOR CONTINUATION





UCI Mesa Court Expansion

PROJECT AREA: **COMMMONS AND DORMS** — **STUDENT HOUSING**

BUILDING SQUARE FOOTAGE: **247,852** SQFT

ITEM	USE AREA	VA PER SQFT./LF FACTOR	VA PER SQFT./LF TOTAL	VA EACH QUANT.	VA EACH VA	VA EACH TOTAL	LCL. REC. KITCHEN "L" "R" "K"	LCL. REC. KITCHEN ADJUST	TOTAL kVA	% VOLTAGE SYS. 208V	% VOLTAGE SYS. 480V	
RESIDENCE TOWERS												
DORM ROOMS & SUPPORT	112,500	2	**225,000**					-146,250	**78.8**	100%		35% NET DEMAND FACTOR
COMMON AREA LIGHTING & RECEPT.	60,000	2	**120,000**				L	30,000	**150.0**	100%		
LAUNDRY - RECEPTACLE				36	2,500	**90,000**			**90.0**	100%		
IDF ROOMS				18	2,200	**39,600**			**39.6**	100%		
MECHANICAL	112,500	0.25	**28,125**						**28.1**	100%		
BASEMENT & PODIUM LEVELS												
LIGHTING - UTILITY	40,352	1.8	**72,634**						**72.6**	5%	95%	
LIGHTING - EMERGENCY	40,352	0.2	**8,070**				L		**8.1**		100%	
RECEPTACLE	40,352	1	**40,352**				R	-15,176	**25.2**	100%		
HVAC	40,352	6	**242,112**						**242.1**	10%	90%	
PLUMBING	40,352	0.3	**12,106**						**12.1**	25%	75%	
KITCHEN/DINING POWER												
KITCHEN/DINING POWER	35,000			1	400,000	**400,000**	K	-80,000	**320.0**	80%	20%	
LIGHTING - UTILITY	35,000	1.8	**63,000**				L		**63.0**	5%	95%	
LIGHTING - EMERGENCY	35,000	0.2	**7,000**				L		**7.0**		100%	
SIGNAGE	35,000			12	1,200	**14,400**	L		**14.4**	100%		
HVAC	35,000	6	**210,000**						**210.0**	10%	90%	
ELEVATORS				3	50,000	**150,000**			**150.0**		100%	
COMMMONS AND DORMS TOTAL									**1,511.0**	737.1	773.9	**1,818 AMPS AT 480V, 3PHASE - UTILITY POWER**

NOT FOR CONSTRUCTION

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PROJECT
MESA COURT EXPANSION

LOCATION
IRVINE, CA

PREPARED FOR
UCI
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Design & Construction Services
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Irvine, CA 92697

UCI PROJECT NO.
996296

KEYMAP

NO.	DATE	REVISION

PROJECT DIRECTOR
BL
PROJECT MANAGER
BL
PROJECT ARCHITECT
TN
PROJECT TEAM MEMBERS
MD, AO, ZJ, CH, SG, EM, KP
CHECK
KB

ELECTRICAL SEAL

MICHAEL WALL ENGINEERING

TITLE
SINGLE LINE DIAGRAM - KITCHEN

PROJECT NO.
13292.00
DATE
MAY 30, 2014

SHEET NUMBER
E6.03
DESIGN DEVELOPMENT

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ORIGINAL SHEET SIZE 30" x 42"

ABBREVIATIONS

ABV	ABOVE
AC	AMPERAGE CIRCUIT
ADA	AMERICAN WITH DISABILITIES ACT
AMP	AMPERAGE
AFF	ABOVE FINISHED FLOOR
AGA	AMERICAN GAS ASSOCIATION
ALT	ALTERNATE
ANSI	AMERICAN NATIONAL STANDARDS INSTITUTE
APPROX	APPROXIMATE, APPROXIMATELY
ARCH	ARCHITECT(URAL)
ARI	AIR CONDITIONING AND REFRIGERATION INSTITUTE
ASHRAE	AMERICAN SOCIETY OF HEATING, REFRIGERATION AND AIR CONDITIONING ENGINEERS
ASME	AMERICAN SOCIETY OF MECHANICAL ENGINEERS
ASTM	AMERICAN SOCIETY FOR TESTING AND MATERIALS
AUTO	AUTOMATIC
BFF	BELOW FINISHED FLOOR
BHP	BRAKE HORSEPOWER
BLDG	BUILDING
BOH	BACK OF HOUSE
BTC	BRANCH TO CONNECTION
°C	DEGREE CENTIGRADE
CFH	CUBIC FEET PER HOUR
CFM	CUBIC FEET PER MINUTE
CKT	CIRCUIT
CHR	CHILLED WATER RETURN
CHS	CHILLED WATER SUPPLY
CL	CENTERLINE
CLG	CEILING
CMU	CONCRETE MASONRY UNIT
COL	COLUMN
COMM	COMMUNICATIONS
CONC	CONCRETE
CONT	CONTINUE; CONTINUOUS; CONTINUATION
D	DEPTH
DBL	DOUBLE
DCO	DUPLEX CONVENIENCE OUTLET
DET	DETAIL
DFA	DOWN FROM ABOVE
DIA	DIAMETER
DISC	DISCONNECT
DN	DOWN
DWG	DRAWING
(E)	EXISTING
EA	EACH
EC	ELECTRICAL CONTRACTOR / DIVISION
EE	ELECTRICAL ENGINEER
ELEC	ELECTRICAL
ELEV	ELEVATION
EQ	EQUAL
EQUIP	EQUIPMENT
EXT	EXTERIOR
EXH	EXHAUST
°F	DEGREE FAHRENHEIT
FAB.	FABRICATED
FD	FLOOR DRAIN
FF	FINISH FLOOR
FIN	FINISH
FLR	FLOOR
FP	FIRE PROTECTION
FPM	FEET PER MINUTE
FR	FROM
FS	FLOOR SINK
FT	FEET
GA	GAUGE
GAL	GALLON
GALV	GALVANIZE; GALVANIZED
GC	GENERAL CONTRACTOR
GFCI	GROUND FAULT CIRCUIT INTERRUPTOR
GPH	GALLON PER HOUR
GPM	GALLON PER MINUTE
H	HIGH
HB	HOSE BIBB
HD	HEAVY DUTY
HORIZ	HORIZONTAL
HP	HORSE POWER
HVAC	HEATING VENTILATING & AIR CONDITIONING
ID	INSIDE DIAMETER
IN	INCH
INT	INTERIOR
IW	INDIRECT WASTE
J-BOX	JUNCTION BOX
KEC	KITCHEN EQUIPMENT CONTRACTOR
KW	KILOWATT
LEC	LAUNDRY EQUIPMENT CONTRACTOR
LF	LINEAL FEET
MAINT	MAINTENANCE
MATL	MATERIAL
MAX.	MAXIMUM
MC	MECHANICAL CONTRACTOR / DIVISION
ME	MECHANICAL ENGINEER
MECH	MECHANICAL
MFR	MANUFACTURER
MIC	MICROPHONE
MIN	MINIMUM
MISC.	MISCELLANEOUS
MUA	MAKE-UP AIR
MTD.	MOUNTED
N/A	NOT APPLICABLE
NEC	NATIONAL ELECTRIC CODE
NEMA	NATIONAL ELECTRICAL MANUFACTURERS ASSOCIATION
NFPA	NATIONAL FIRE PROTECTION ASSOCIATION
NIC	NOT IN CONTRACT
NO.	NUMBER
NSF	NATIONAL SANITATION FOUNDATION
NTS	NOT TO SCALE
OC	ON CENTER
OD	OUTSIDE DIAMETER or OVERFLOW DRAIN
OFI	OWNER FURNISHED ITEM
OFOI	OWNER FURNISHED OWNER INSTALLED
OFCI	OWNER FURNISHED CONTRACTOR INSTALLED
PC	PLUMBING CONTRACTOR / DIVISION
POC	POINT OF CONNECTION
POS	POINT OF SALE
PREP	PREPARATION
QT	QUART
QTY	QUANTITY
R or RAD	RADIUS
RCP	REFLECTED CEILING PLAN
RECPT	RECEPTACLE
REF	REFERENCE
REQD	REQUIRED
RM	ROOM
RND	RICCA NEWMARK DESIGN
SE	STRUCTURAL ENGINEER
SEC	SECTION
SF	SQUARE FEET
SHT	SHEET
SP	STATIC PRESSURE
SPEC	SPECIFICATIONS
SQ	SQUARE
S/S	STAINLESS STEEL
STD	STANDARD
STL	STEEL
SW	SWITCH
TEL	TELEPHONE
THK	THICK
TYP	TYPICAL
UDS	UTILITY DISTRIBUTION SYSTEM
UNO	UNLESS NOTED OTHERWISE
UL	UNDERWRITERS LABORATORIES
UV	ULTRA VIOLET
V	VOLT
VEL	VELOCITY
W	WATT
W/	WITH
W.C.	WATER COLUMN
W/O	WITHOUT

NOTE: REFER TO ARCHITECTURAL/MECHANICAL/ELECTRICAL/PLUMBING/INTERIOR DESIGN DRAWINGS FOR ADDITIONAL ABBREVIATIONS SHOWN ON FOOD SERVICE DRAWINGS BUT NOT INCLUDED IN THIS LIST.

FOODSERVICE DRAWINGS

SHEET #	SHEET TITLE	05.27.2014 - Design Development - Check Set
QF000	Foodservice Index	X
QF100	Overall Foodservice Key Plan	X
QF400	Foodservice Equipment Plan	X
QF405	Foodservice Equipment Plan	X
QF410	Foodservice Equipment Plan	X
QF415	Foodservice Equipment Plan	X
QF420	Foodservice Equipment Plan	X
QF425	Foodservice Equipment Plan	X

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PROJECT
UC IRVINE

LOCATION
MESA COURT

PREPARED FOR
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996296

KEYMAP

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PROJECT ARCHITECT

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Phone 303 221 0500 Fax 303 221 0600
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TITLE
Foodservice Index

PROJECT NO.
13292.00
DATE
MAY 30, 2014

SHEET NUMBER
QF000

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ORIGINAL SHEET SIZE 30" x 42"

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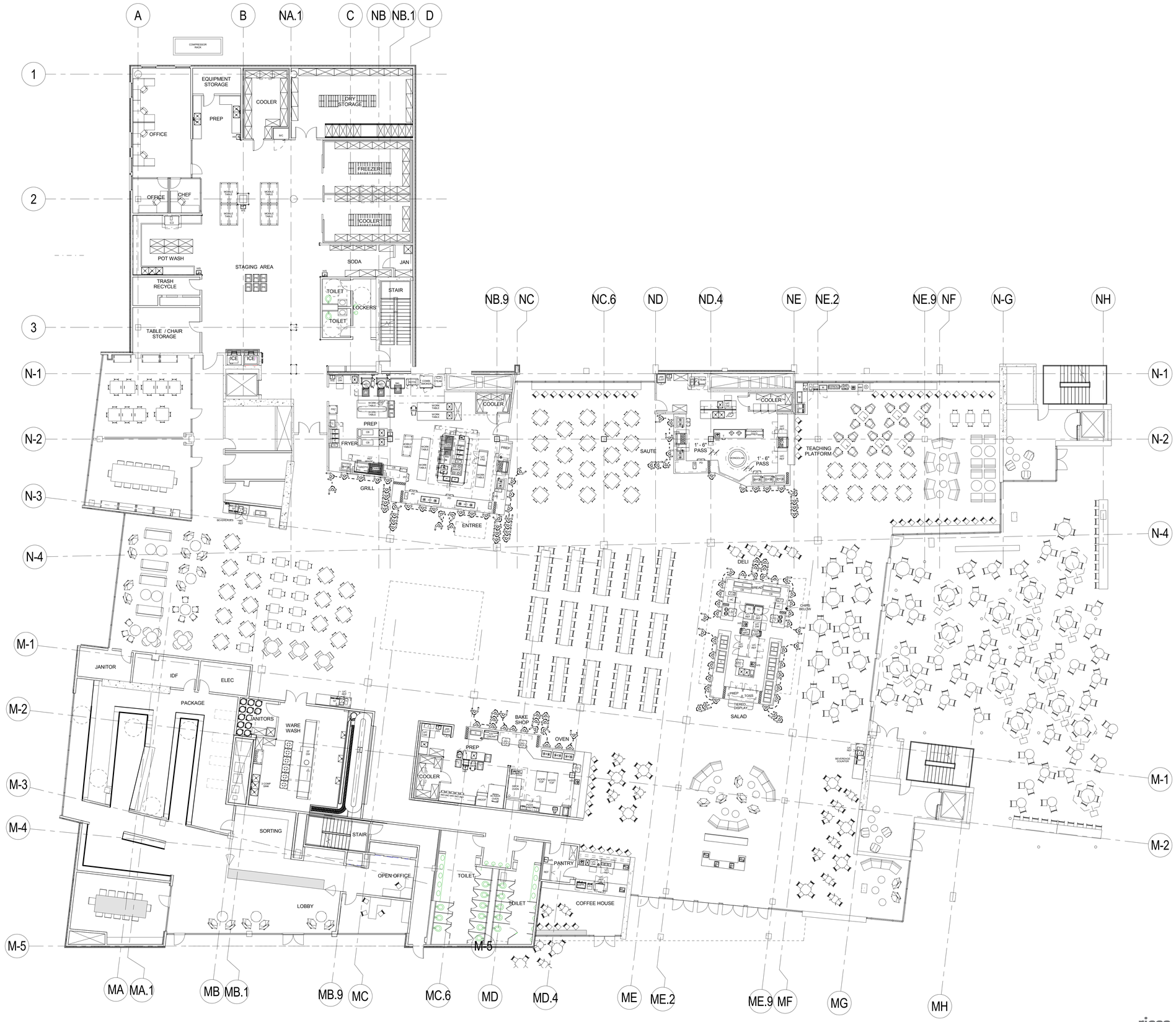
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996296

KEYMAP

NO.	DATE	REVISION

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PROJECT ARCHITECT

PROJECT TEAM MEMBERS

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TITLE
Overall Foodservice Key Plan
PROJECT NO.
13292.00
DATE
MAY 30, 2014

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1 Foodservice Equipment Plan
1/4" = 1'-0"

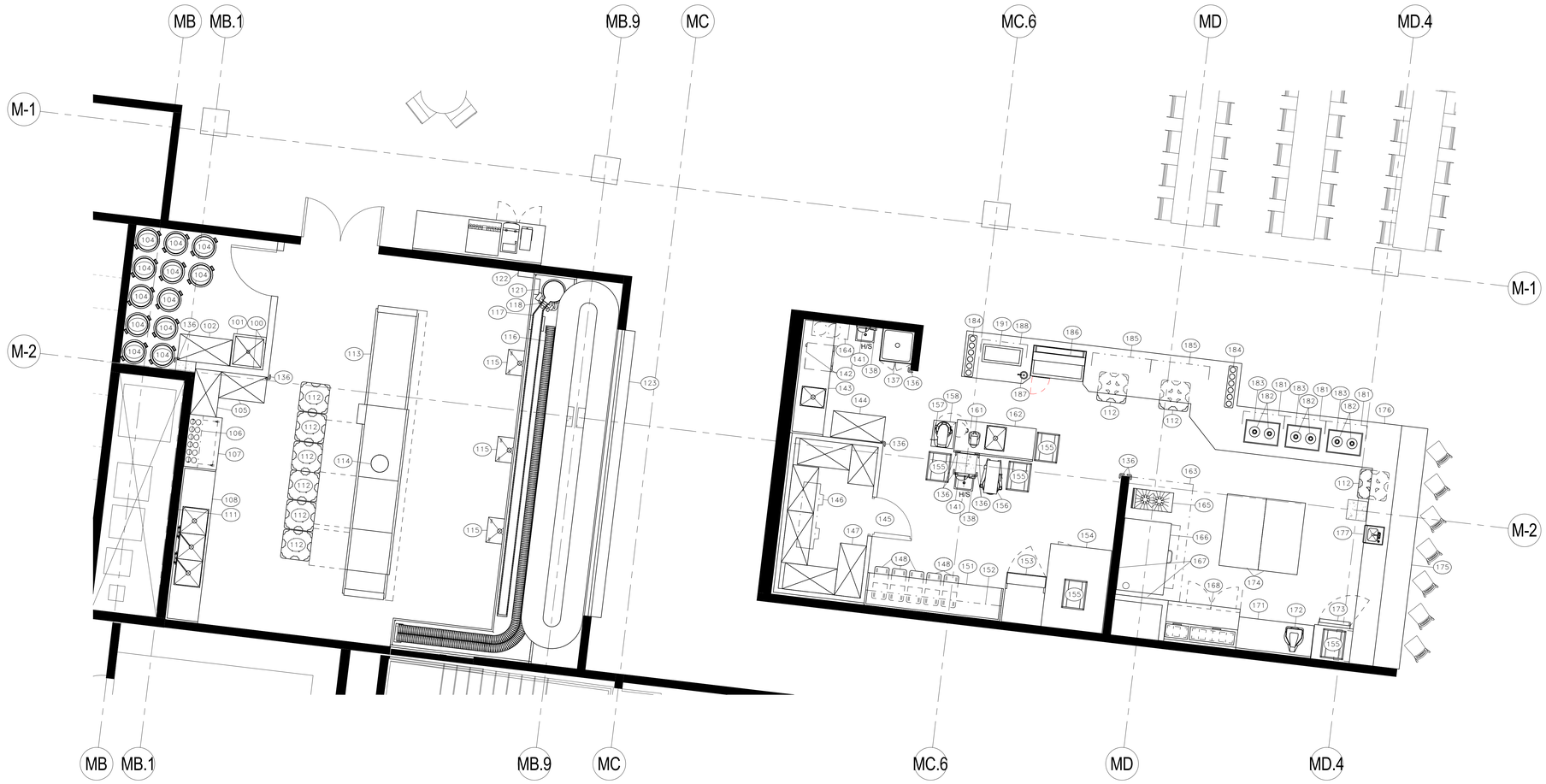
Equipment Schedule (1–99)			
Item Number	Qty	Description	Remarks
1	1	Compressor Rack	Indoor, Water Cooled
2	1	Work Table	Fabricated
3	1	Work Table	Fabricated
4	4	Hand Sink	
5	4	Soap And Towel Dispenser	By Owner
6	21	Corner Guard	Fabricated
7	1	Walk–In Cooler	
8	1	Cooler Evaporator Coil	Remote to #1
9	1	Spare Number	
10	1	Spare Number	
11	41	Cooler Storage Shelving	
12	1	Blast Chiller, Roll–In	Remote to #1
13	8	Dunnage Rack	
14	9	Dry Storage Shelving	
15	1	High Density Shelving	By Owner
16	10	Pallets	By Owner
17	1	Walk–in Cooler/Freezer	
18	1	Cooler Evaporator Coil	Remote to #1
19	1	Spare Number	
20	1	Spare Number	
21	1	Freezer Evaporator Coil	Water Cooled, Self–Contained
22	4	Soda System	By Purveyor
23	1	Chemical Storage Shelving	
24	1	Mop Sink with Hose Bibb	By Mechanical Division
25	2	Wall Flashing	Fabricated
26	6	Pan Rack Cart	
27	2	Ice Bin with Cart	
28	1	Ice Maker, Flaker Style	Water Cooled, Self–Contained
29	1	Spare Number	
30	1	Spare Number	
31	1	Ice Maker w/ Filter	Water Cooled, Self–Contained
32	1	Floor Trough And Grate	Installed By G.C
33	1	Pot Sink with Clean Dishtable	Fabricated
34	3	Wall Flashing	Fabricated
35	1	Glass Rack Shelf	Fabricated
36	1	Condensate Hood	
37	1	Utensil Washer	
38	1	Clean Dishtable	Fabricated
39	1	Spare Number	
40	1	Spare Number	
41	6	Pot & Pan Shelving	
42	8	Mobile Prep Table	Fabricated
43–99	1	Spare Number	

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1 Foodservice Equipment Plan
1/4" = 1'-0"

Equipment Schedule (100–199)

Item Number	Qty	Description	Remarks
100	2	Wall Flashing	Fabricated
101	1	Mop Sink with Hose Bibb	By Mechanical Division
102	1	Chemical Storage Shelving	
104	12	Trash Receptacle	By Owner
105	2	Clean Dish Storage Shelving	
106	1	Angled Wall Shelf	Fabricated
107	1	Work Table, Portable	Fabricated
108	1	Pot Sink	Fabricated
109	1	Spare Number	
110	1	Spare Number	
111	1	Wall Flashing	Fabricated
112	9	Dish Dolly	
113	1	Flight Dish Machine	
114	1	Vent Stack	Fabricated
115	3	Soak Sink Dolly	
116	1	Tray Accumulator	
117	1	Magnet Grabber	Included In #116
118	1	Food Waste Collector	
119	1	Spare Number	
120	1	Spare Number	
121	1	Collector Control Panel	Part Of Item #118
122	1	Accumulator Control Panel	Part Of Item #116
123	1	Dish Drop Table with Window	Part Of Item #116
124–135	1	Spare Number	
136	10	Corner Guard	Fabricated
137	1	Mop Cabinet	
138	2	Hand Sink	
139	1	Spare Number	

Equipment Schedule (100–199)

Item Number	Qty	Description	Remarks
140	1	Spare Number	
141	2	Soap And Towel Dispenser	By Owner
142	1	Undercounter Dishwasher	
143	1	Work Table	Fabricated
144	1	Dry Storage Shelving	
145	1	Walk–In Cooler	
146	1	Cooler Evaporator Coil	Remote to #1
147	6	Cooler Storage Shelving	
148	5	Ingerdient Bin	
149	1	Spare Number	
150	1	Spare Number	
151	1	Worktable	Fabricated
152	1	Wall Shelf w/ Pot Hooks	Fabricated
153	1	Proof Box	
154	1	Roll–In Rotating Rack Oven	
155	5	Roll–In Oven Rack	
156	1	Food Mixer, Floor	
157	1	Food Mixer	
158	1	Mixer Stand	Fabricated
159	1	Spare Number	
160	1	Spare Number	
161	1	Mixer	
162	1	Work Counter W/ Prep Sink	Fabricated
163	1	Exhaust Hood	
164	1	Fire Suppression System	For Service To #264
165	1	2–Open Burner Range	
166	1	Pizza Deck Oven	
167	2	Wall Flashing	Fabricated

Equipment Schedule (100–199)

Item Number	Qty	Description	Remarks
168	1	Refrigerated Pizza Prep Table	
169	1	Spare Number	
170	1	Spare Number	
171	1	Work Counter	Fabricated
172	1	Pizza Dough Press	
173	1	Roll–In Refrigerator	
174	2	Maple Top Work Tables	
175	1	Bar Top and Die	Specified By Architect/ By G.C.
176	1	Serving Counter	Fabricated
177	1	Hand Sink	
178	1	Spare Number	
179	1	Spare Number	
180	1	Spare Number	
181	3	Food Shield	Fabricated
182	6	Heat Lamp	
183	3	Drop–In Heated Shelf	
184	2	Drop–In Flatware Holder	Part Of Item #176
185	2	Food Shield	
186	1	Ice Cream Dipping Merchandiser	
187	1	Dipper Well Assembly	
188	1	Food Shield	Fabricated
189	1	Spare Number	
190	1	Spare Number	
191	1	Refrigerated Rail	Fabricated, Remote To #1
192–199	1	Spare Number	

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Foodservice Equipment Plan

PROJECT NO.
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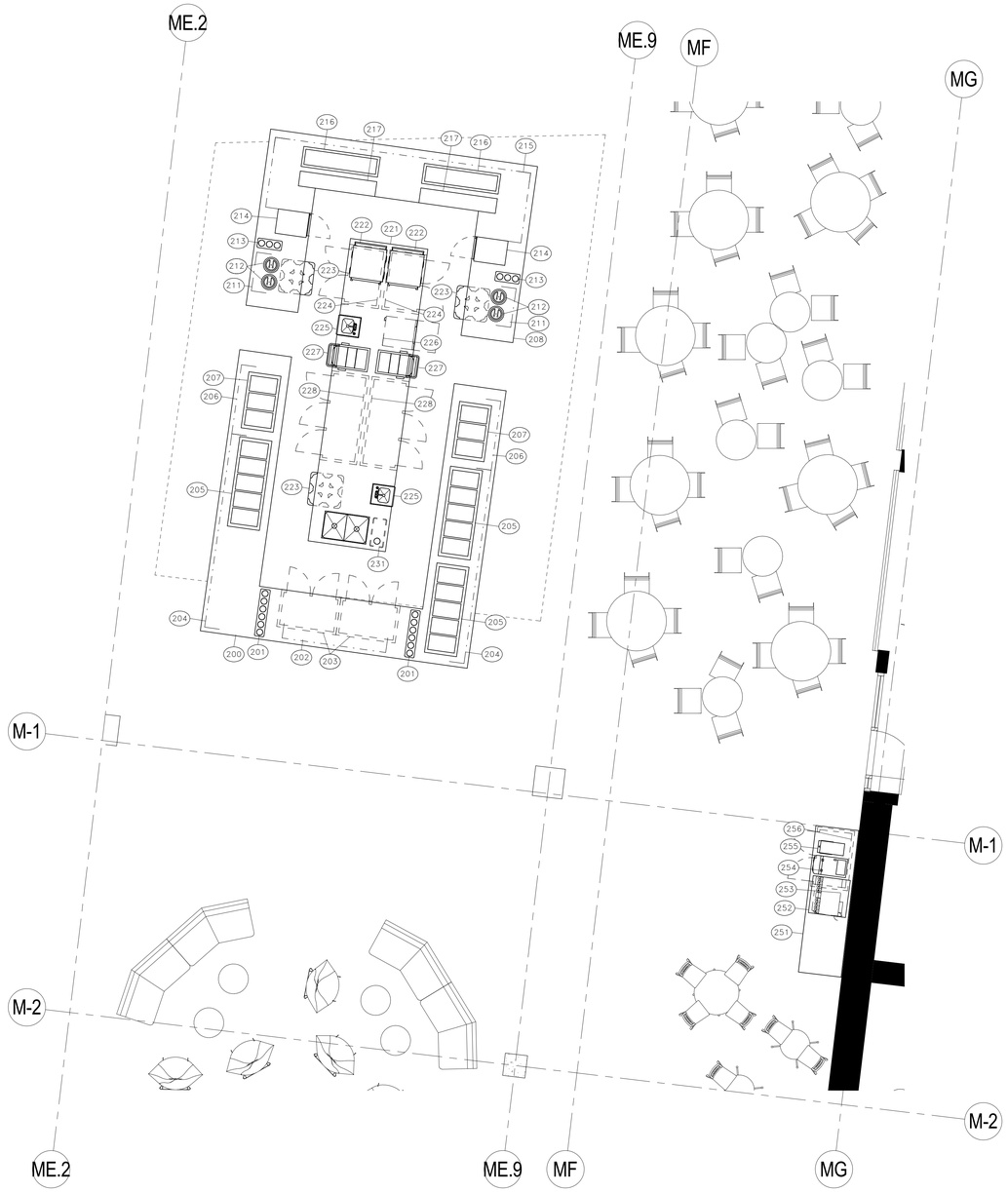
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1 Foodservice Equipment Plan
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Equipment Schedule (200–299)

Item Number	Qty	Description	Remarks
200	1	Serving Counter	Fabricated
201	2	Drop-In Flatware Holder	Part Of Item #200
202	1	Food Shield	Fabricated
203	2	Undercounter Refrigerator	Fabricated, Remote To #1
204	2	Food Shield	Fabricated
205	3	Cold Food Pan, Drop-In	Remote to #1
206	2	Food Shield	Fabricated
207	2	Cold Food Pan, Drop-In	Remote to #1
208	1	Serving Counter	Fabricated
209	1	Spare Number	
210	1	Spare Number	
211	2	Food Shield	Fabricated
212	4	Soup Well	
213	2	Drop-In Flatware Holder	Part Of Item #208
214	2	Heated Cabinet	
215	1	Food Shield	Fabricated
216	2	Refrigerated Rail	Fabricated, Remote To #1
217	2	Cutting Board	By Owner
219	1	Spare Number	
220	1	Spare Number	
221	1	Back Counter	Fabricated
222	2	Oven, Microwave/Convection, Combi	
223	3	Dish Dolly	
224	2	Undercounter Refrigerator	Fabricated, Remote To #1
225	2	Hand Sink	
226	1	Undercounter Dishwasher	
227	2	Ice Bin	
228	2	Undercounter Refrigerator	Fabricated, Remote To #1
229	1	Spare Number	
230	1	Spare Number	
231	1	Trash Can	By Owner
232–250	1	Spare Number	
251	1	Beverage Counter	Fabricated
252	1	Soda/Ice Dispenser with Filter	By Purveyor
253	1	Ice Maker with Filter	Water Cooled, Self-Contained
254	1	Juice Dispenser	By Purveyor
255	1	Tea Brewer with Filter	By Purveyor
256	1	Undercounter Refrigerator	Fabricated, Remote to #1
257–299	1	Spare Number	

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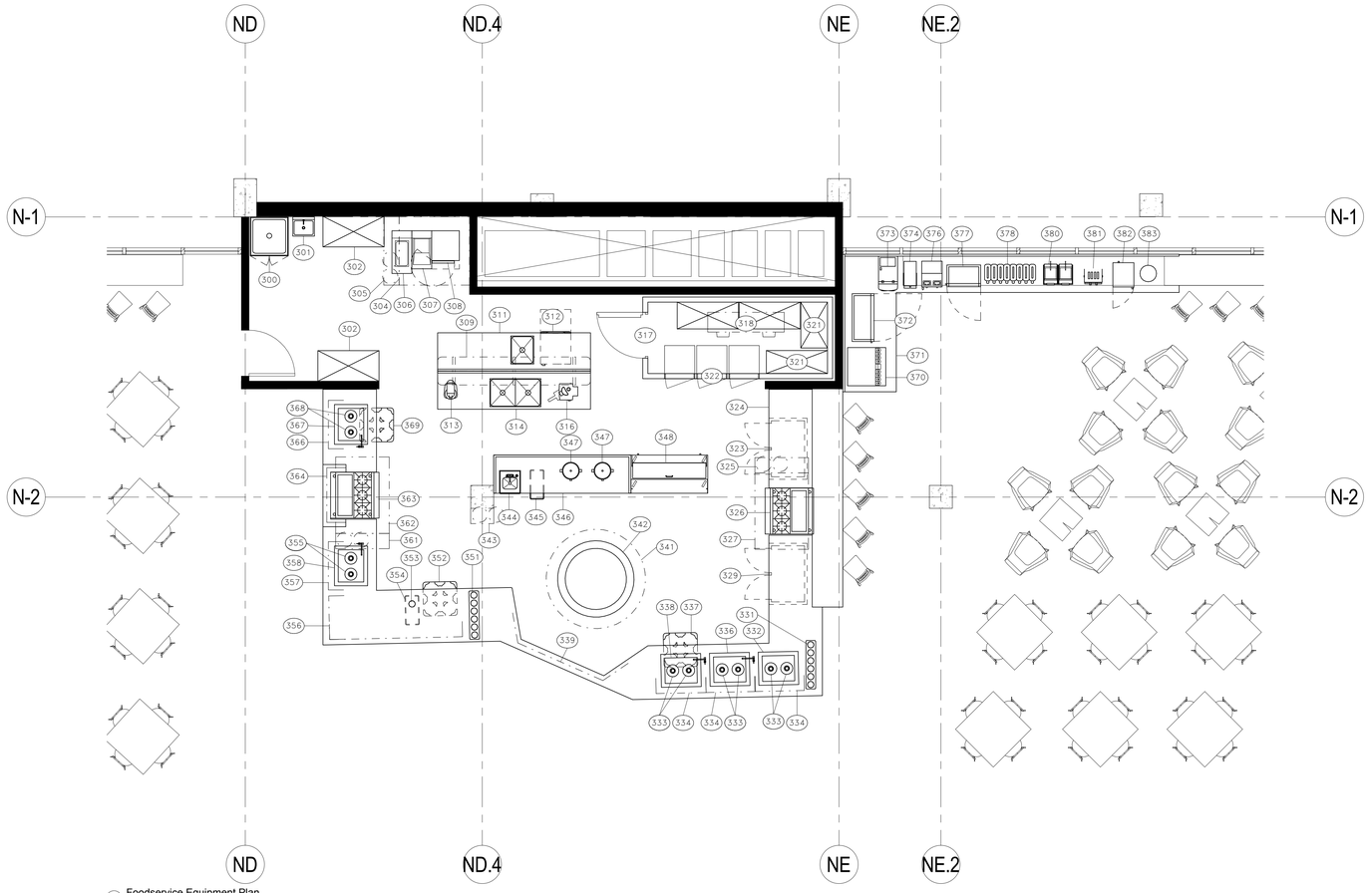
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1 Foodservice Equipment Plan
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Equipment Schedule (300–399)			
Item Number	Qty	Description	Remarks
300	1	Mop Cabinet	
301	1	Hand Sink	
302	2	Dry Storage Shelving	
303	1	Spare Number	
304	1	Exhaust Hood	
305	1	Fire Suppression System	
306	1	Fryer	
307	1	Fryer	
308	1	Steamer	
309	1	Utensil Rack	Fabricated/Ceiling Mount
310	1	Spare Number	
311	1	Work Table	Fabricated
312	1	Undercounter Dishwasher	
313	1	Mixer	Counter Top
314	1	Prep Table W/ Prep Sinks	Fabricated
315	1	Spare Number	
316	1	Food Processor	
317	1	Walk-In Cooler	
318	1	Cooler Evaporator Coil	Remote From #1
319	1	Spare Number	
320	1	Spare Number	
321	4	Cooler Storage Shelving	
322	3	Cooler Display Door	
323	1	Undercounter Refrigerator	Fabricated, Remote To #1
324	1	Serving Counter	Fabricated
325	1	Fire Suppression System	
326	1	Fire and Ice Range	
327	1	Exhaust Hood	
328	1	Spare Number	
329	1	Undercounter Refrigerator	Fabricated, Remote To #1
330	1	Spare Number	
331	1	Drop-In Flatware Holder	Part of Item #324
332	1	Hot/Cold Drop-In Unit	Remote to #1
333	6	Heat Lamp	
334	3	Food Shield	Fabricated
335	1	Spare Number	
336	1	Hot/Cold Drop-In Unit	Remote to #1
337	1	Dish Dolly	
338	1	Hot/Cold Drop-In Unit	Remote to #1
339	1	Food Shield	Fabricated
340	1	Spare Number	
341	1	Exhaust Hood	
342	1	Mongolian Barbeque Range	Gas
343	1	Fire Suppression System	
344	1	Hand Sink	
345	1	Trash Can	
346	1	Work Table	Fabricated
347	2	Rice Cooker	By Owner
348	1	Solid Door Sandwich/Salad Unit	
349	1	Spare Number	
350	1	Spare Number	
351	1	Drop-In Flatware Holder	Part of Item #324
352	1	Dish Dolly	
353	1	Drop-In Flatware Holder	Part of Item #324
354	1	Trash Can	
355	2	Heat Lamp	
356	1	Food Shield	Fabricated
357	1	Food Shield	Fabricated
358	1	Hot/Cold Drop-In Unit	Remote to #1
359	1	Spare Number	
360	1	Spare Number	
361	1	Fire Suppression System	
362	1	Exhaust Hood	
363	1	Fire and Ice Range	
364	1	Food Shield	Fabricated
365	1	Spare Number	
366	1	Food Shield	Fabricated
367	1	Hot/Cold Drop-In Unit	Remote to #1
368	2	Heat Lamp	
369	1	Dish Dolly	
370	1	Soda/Ice Dispenser with Filter	By Purveyor
371	1	Beverage Counter	Fabricated
372	1	Milk Dispenser	By Purveyor
373	1	Juice Dispenser	By Purveyor
374	1	Tea Brewer with Filter	By Purveyor
375	1	Spare Number	
376	1	Coffee Brewer with Filter	
377	1	Milk Dispenser	By Purveyor
378	1	Cereal Dispenser	By Owner
379	1	Spare Number	
380	1	Waffle Baker	By Owner
381	1	Toaster, Pop-Up	
382	1	Microwave	
383	1	Soup Kettle	
384	1	Spare Number	
385	1	Spare Number	
386–399	1	Spare Number	

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Irvine, CA 92697

UCI PROJECT NO.
996296

KEYMAP

NO.	DATE	REVISION

PROJECT DIRECTOR

PROJECT MANAGER

PROJECT ARCHITECT

PROJECT TEAM MEMBERS

CHECK

ARCHITECT SEAL

TITLE
Foodservice Equipment Plan

PROJECT NO.
13292.00

DATE
MAY 30, 2014

SHEET NUMBER
QF415

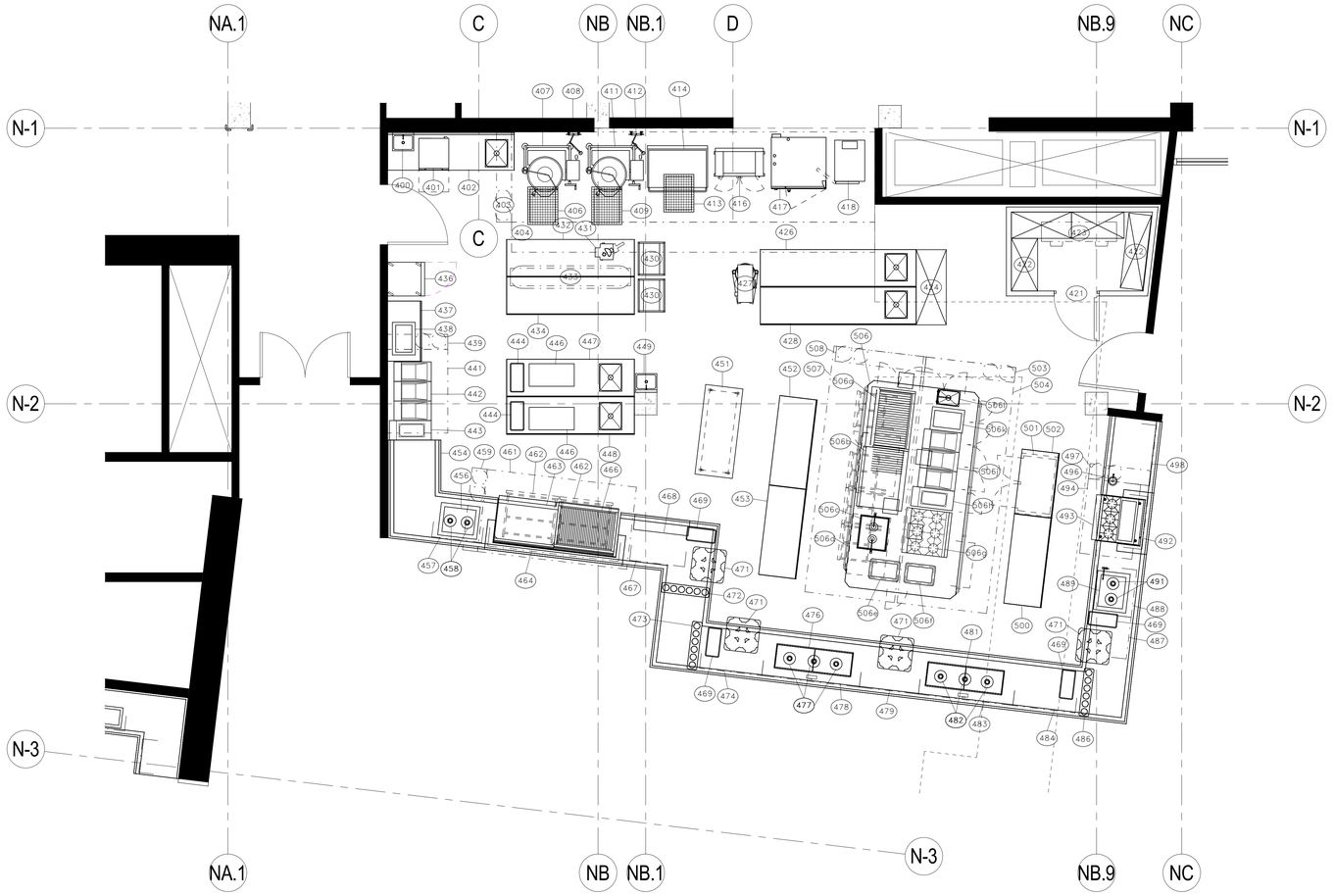
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You can call the electronic mail / data coordinator at 206.623.3344.



1 Foodservice Equipment Plan
1/4" = 1'-0"

Equipment Schedule (400–490)

Item Number	Qty	Description	Remarks
400	1	Hand Sink	
401	1	Undercounter Dishwasher	
402	1	Work Table	
403	1	Fire Suppression System	For Item #404
404	1	Exhaust Hood	
405	1	Spare Number	
406	1	Floor Trough and Grate	Installed By G.C.
407	1	Tilting Kettle	40 Gallon, Gas
408	1	Pot Filler	
409	1	Floor Trough and Grate	Installed By G.C.
410	1	Spare Number	
411	1	Tilting Kettle	40 Gallon, Gas
412	1	Pot Filler	
413	1	Floor Trough and Grate	Installed By G.C.
414	1	Tilting Skillet / Braising Pan	40 Gallon, Gas
415	1	Spare Number	
416	1	Rotisserie	
417	1	Combi/Smoker	
418	1	Convection Steamer	
419	1	Spare Number	
420	1	Spare Number	
421	1	Walk-In Cooler	
422	4	Cooler Shelving	
423	1	Cooler Evaporator Coil	Remote From #1
424	1	Dry Storage Shelving	
425	1	Spare Number	
426	1	Work Table	
427	1	Food Mixer, Floor	W/ Extra Bowls
428	1	Work Table	Fabricated
429	1	Spare Number	
430	2	Pan Rack Cart	
431	1	Food Processor	
432	1	Work Table	Fabricated
433	1	Utensil Rack	
434	1	Work Table	Fabricated
435	1	Spare Number	
436	1	Walk-In Freezer	
437	1	Work Counter	Fabricated
438	1	Cold Food Pan, Drop-In	
439	1	Fire Suppression System	For Item #441
440	1	Spare Number	
441	1	Exhaust Hood	
442	1	Fryer	
443	1	Fryer	
444	2	Trash Can	
445	1	Spare Number	
446	2	Cutting Board	
447	1	Work Table	Fabricated
448	1	Work Table	Fabricated
449	1	Hand Sink	
450	1	Spare Number	
451	1	Mobile Work Table	Fabricated
452	1	Work Table	Fabricated
453	1	Work Table	Fabricated
454	1	Servery Counter	Fabricated
455	1	Spare Number	
456	1	Hot/Cold Drop-In Unit	Remote From #1
457	1	Food Shield	Fabricated
458	2	Heat Lamp	
459	1	Fire Suppression System	For Item #461
460	1	Spare Number	
461	1	Exhaust Hood	
462	1	Refrigerated Base	
463	1	Griddle Top	
464	1	Food Shield	Fabricated
465	1	Spare Number	
466	1	Charbroiler	
467	1	Food Shield	Fabricated
468	1	Cutting Board	
469	4	Trash Can	
470	1	Spare Number	
471	4	Dish Dolly	
472	1	Drop-In Flatware Holder	
473	1	Drop-In Flatware Holder	
474	1	Food Shield	Fabricated
475	1	Spare Number	
476	1	Heated Black Glass Shelf	
477	3	Heat Lamp	
478	1	Food Shield	Fabricated
479	1	Food Shield	Fabricated
480	1	Spare Number	
481	1	Heated Black Glass Shelf	
482	3	Heat Lamp	
483	1	Food Shield	Fabricated
484	1	Food Shield	Fabricated
485	1	Spare Number	
486	1	Drop-In Flatware Holder	
487	1	Food Shield	Fabricated
488	1	Food Shield	Fabricated
489	1	Hot/Cold Drop-In Unit	Remote to #1
490	1	Spare Number	

Equipment Schedule (491–599)

Item Number	Qty	Description	Remarks
491	2	Heat Lamp	
492	1	Food Shield	Fabricated
493	1	Fire and Ice Range	
494	1	Exhaust Hood	
495	1	Spare Number	
496	1	Dipper Well Assembly	
497	1	Fire Suppression System	For Item #494
498	1	Food Shield	
499	1	Spare Number	
500	1	Work Table	
501	1	Undercounter Refrigerator	Fabricated, Remote To #1
502	1	Work Table	
503	1	Fire Suppression System	
504	1	Exhaust Hood	For Item #503
505	1	Spare Number	
506	1	Island Cooking Suite	Fabricated, Remote to #1
506a	1	Charbroiler	Part of Item #506
506b	1	Griddle	Part of Item #506
506c	1	Carving Station	Part of Item #506
506d	1	Heated Cabinet	Part of Item #506
506e	1	Drop-In Hot Pan	Part of Item #506
506f	1	Drop-In Hot Pan	Part of Item #506
506g	1	Six Burner Range	Part of Item #506
506h	1	Fryer	Part of Item #506
506j	1	Fryer	Part of Item #506
506k	1	Cold Food Pan, Drop-In	Part of Item #506
506l	1	Work Counter W/ Sink	Part of Item #506
507	1	Exhaust Hood	
508	1	Fire Suppression System	For Item #507
509	1	Spare Number	
510	1	Spare Number	
511–599	1	Spare Number	

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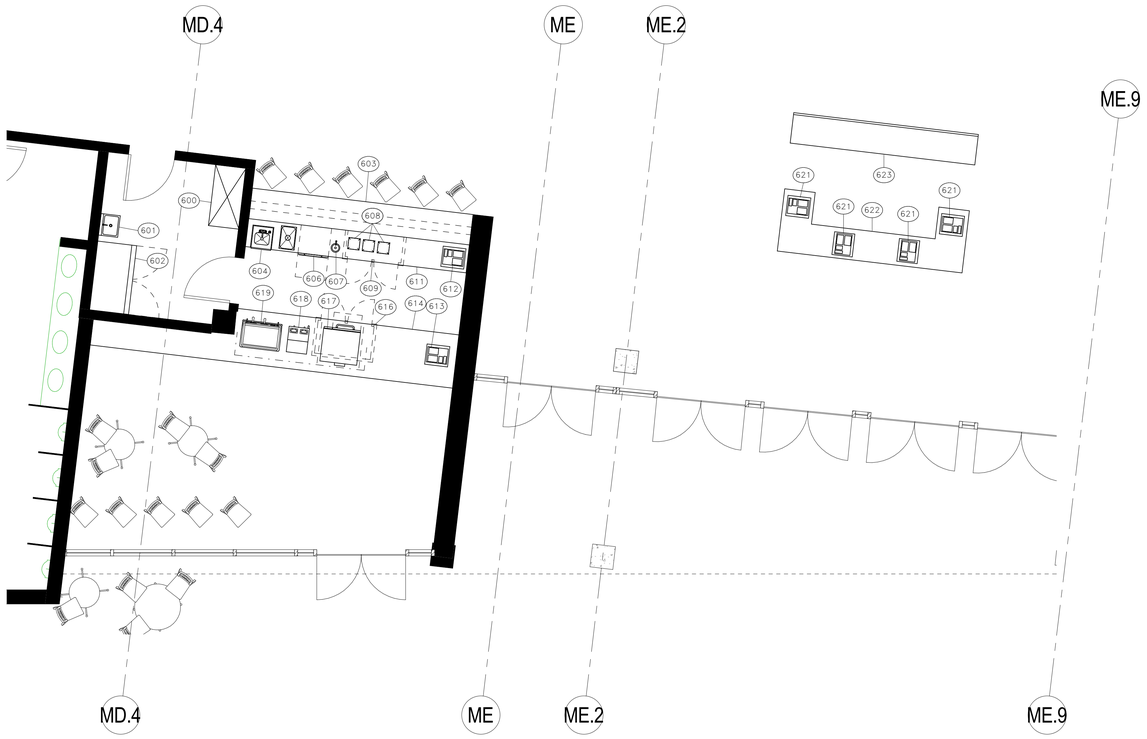
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1 Foodservice Equipment Plan
1/4" = 1'-0"

Equipment Schedule (600–699)			
Item Number	Qty	Description	Remarks
600	1	Dry Storage Shelving	
601	1	Hand Sink	
602	1	Reach-In Refrigerator	
603	1	Bar Top & Die	Fabricated
604	1	Hand Sink	
605	1	Spare Number	
606	1	Undercounter Dishwasher	
607	1	Dipper Well Assembly	
608	3	Blender	
609	1	Undercounter Refrigerator	Fabricated, Remote To #1
610	1	Spare Number	
611	1	Service Counter	Fabricated
612	1	POS Equipment	
613	1	POS Equipment	
614	1	Back Counter	Fabricated
615	1	Spare Number	
616	1	Undercounter Refrigerator	Fabricated, Remote To #1
617	1	Oven, Microwave/Convection, Combi	
618	1	Coffee Brewer with Filter	By Purveyor
619	1	Espresso Machine with Filter	By Purveyor
620	1	Spare Number	
621	4	POS Equipment	
622	1	Cashier Counter	Fabricated
623	1	Back Counter	Fabricated
624	1	Spare Number	
625	1	Spare Number	
626–699	1	Spare Number	

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