OLIVENHAIN - NEW AND REMODELED OPERATIONS AND ADMINISTRATION FACILITIES

1966 OLIVENHAIN ROAD ENCINITAS, CA 92024

SCHEDULE B

BID SET
NOT FOR CONSTRUCTION
08/30/2018

BUILDING DATA

SCOPE OF WORK:
THE PROJECT IS THE SECOND PHASE OF A TWO PHASE PROJECT. THIS PHASE ADDS MORE NEW CONSTRUCTION OF OFFICES (4,203 SF) TO THE EXISTING 1ST FLOOR. RENOVATIONS OF BUILDING B TOTAL (813) SF.

APN:	255-040-59
ZONE:	O (OFFICE)
CONSTRUCTION TYPE:	TYPE-VB
OCCUPANCY GROUPS:	B, A-3
FULLY SPRINKLERED:	YES
BUILDING HEIGHT:	32'-0"
NUMBER OF STORIES	2-STORY
NEW SF:	4,203 SF
T.I. SF:	813 SF

TOTAL BUILDING AREA GROSS:
MAIN BUILDING: 22,997 SF **1ST FLOOR**
3,014 SF **2ND FLOOR** (EXISTING TO REMAIN)

OCCUPANT LOAD:

GROUP "A3" OCCUPANCY = 2,080 S.F. / 7 OCC LOAD =	297.14 OCCUPANTS
GROUP "B" OCCUPANCY (BUSINESS USE) = 20,917 S.F. / 100 OCC LOAD =	209.17 OCCUPANTS
TOTAL OCCUPANT LOAD	**506.31** OCCUPANTS

REQUIRED EXITS PER TABLE 1021.1 (501-1,000 OCC LOAD)= 3 EXITS
EXITS PROVIDED = 13 EXITS

ALLOWABLE BUILDING AREA 1ST FLOOR

CONSTRUCTION TYPE: V-B

AREA / USE	OCCUPANCY GROUP	ACTUAL AREA (SF)	ALLOWABLE AREA (SF) TYPE V-B (TABLE 503)	AREA INCREASE FOR SPRINKLERS (506.3)	AREA INCREASE FOR FRONTAGE (506.2)	ACTUAL ALLOWABLE AREA (SF)	RATIO
BUSINESS / OFFICES ETC.	B	20,917	9,000	200% (+ ALLOWABLE)	0%	27,000	.77
MEETING ROOM	A-3	2,080	6,000	200% (+ ALLOWABLE)	0%	18,000	.11
							0.88<1

TOTAL AREA: 22,997 SF

APPLICABLE CODES

THE CONSTRUCTION OF THIS PROJECT SHALL CONFORM TO THE FOLLOWING CODES AND REGULATIONS:

2013 CALIFORNIA ADMINISTRATIVE CODE, PART 1, TITLE 24 C.C.R.

2013 CALIFORNIA BUILDING CODE (CBC), PART 2, TITLE 24 C.C.R.
(2012 INTERNATIONAL BUILDING CODE VOLUMES 1-2 AND 2013 CALIFORNIA AMENDMENTS)

2013 CALIFORNIA ELECTRICAL CODE (CEC), PART 3, TITLE 24 C.C.R.
(2011 NATIONAL ELECTRICAL CODE AND 2010 CALIFORNIA AMENDMENTS)

2013 CALIFORNIA MECHANICAL CODE (CMC), PART 4, TITLE 24 C.C.R.
(2012 UNIFORM MECHANICAL CODE AND 2010 CALIFORNIA AMENDMENTS)

2013 CALIFORNIA PLUMBING CODE (CPC), PART 5, TITLE 24 C.C.R.
(2012 UNIFORM PLUMBING CODE AND 2010 CALIFORNIA AMENDMENTS)

2013 CALIFORNIA ENERGY CODE (CEC), PART 6, TITLE 24 C.C.R.

2013 CALIFORNIA FIRE CODE, PART 9, TITLE 24 C.C.R.
(2012 INTERNATIONAL FIRE CODE AND 2010 CALIFORNIA AMENDMENTS)

2013 CALIFORNIA REFERENCED STANDARDS, PART 12, TITLE 24 C.C.R.

TITLE 19 C.C.R., PUBLIC SAFETY, STATE FIRE MARSHAL REGULATIONS.

SHEET INDEX

GENERAL

T1.0B TITLE SHEET
T1.2B EGRESS CODE ANALYSIS

ARCHITECTURAL

A1.0B SITE PLAN
A2.0B DEMO FLOOR PLAN
A2.1B FLOOR PLAN
A2.2B ENLARGED FLOOR PLAN
A3.0B DEMO CEILING PLAN
A3.1B REFLECTED CEILING PLAN
A3.2B ENLARGED CEILING PLAN
A4.0B DEMO ROOF PLAN
A4.1B ROOF PLAN
A5.0B SCHEDULES
A6.0B EXTERIOR ELEVATIONS
A8.0B INTERIOR ELEVATIONS & SECTIONS

INTERIOR DESIGN

ID0.0B FINISH LEGEND/GENERAL NOTES
ID0.1B FINISH SPECS
ID2.0B FLOOR FINISH PLAN
ID2.1B WALL FINISH PLAN
ID4.0B DETAILS

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S0B STRUCTURAL SPECIFICATIONS (SCHEDULE B)
S1.0B FOUNDATION PLAN (SCHEDULE B)
S1.1B MAT SLAB REINFORCING PLAN (SCHEDULE B)
S2.0B ROOF FRAMING PLAN (SCHEDULE B)

MECHANICAL

M0.2B MECHANICAL SCHEDULES
M0.3B MECHANICAL SCHEDULES
M0.4B TITLE 24
M0.5B TITLE 24
M0.6B TITLE 24
M1.0B MECHANICAL DEMOLITION OVERALL PLAN
M1.1B MECHANICAL DEMOLITION FIRST FLOOR PLAN - BUILDING B
M2.0B MECHANICAL FIRST FLOOR ZONING PLAN
M2.1B MECHANICAL NEW WORK OVERALL PLAN
M2.2B MECHANICAL NEW WORK FIRST FLOOR PLAN - BUILDING B
M2.3B MECHANICAL NEW WORK FIRST FLOOR PIPING PLAN - BUILDING B
M2.4B MECHANICAL NEW WORK FIRST FLOOR PLAN - NORTH
M2.5B MECHANICAL NEW WORK FIRST FLOOR PIPING PLAN - NORTH
M2.6B MECHANICAL NEW WORK FIRST FLOOR PLAN - SOUTH
M2.7B MECHANICAL NEW WORK FIRST FLOOR PIPING SOUTH PLAN
M2.8B MECHANICAL NEW WORK ROOF PLAN - NORTH
M2.9B MECHANICAL NEW WORK ROOF PLAN - SOUTH
M3.1B MECHANICAL DIAGRAMS - VRV PIPING SCHEMATIC
M4.1B MECHANICAL CONTROLS

ELECTRICAL

E8.0B OVERALL PLAN SCHEDULE B
E8.1B SCHEDULE B POWER & DATA ENLARDED PLAN
E8.2B SCHEDULE B LIGHTING ENLARGED PLAN - NEW WORK
E8.3B SCHEDULE B ROOF PLAN - NEW WORK

PLUMBING

P0.2B PLUMBING SCHEDULES
P1.1B PLUMBING DEMOLITION FLOOR PLAN
P2.0B PLUMBING OVERALL NEW WORK PLAN
P2.1B PLUMBING NEW WORK FIRST FLOOR PLAN - BULDING B
P2.2B PLUMBING NEW WORK FIRST FLOOR PLAN
P2.3B PLUMBING NEW WORK FIRST FLOOR PLAN
P5.1B PLUMBING DETAILS

LEGAL DESCRIPTION

ASSESSOR'S PARCEL NUMBER 255-040-59 ACCORDING TO THE SAN DIEGO COUNTY ASSESSOR'S MAP AND CONSISTING OF THE MERGER OF TWO PARCELS, APN 255-031-03 AND APN 255-040-56, BEING THOSE PORTIONS OF THE LANDS DESCRIBED IN GRANT DEEDS TO THE OLIVENHAIN MUNICIPAL WATER DISTRICT RECORDED JUNE 19, 1962 AS FILE/PAGE NO. 104122 AND APRIL 30, 1991 AS DOCUMENT NO. 1991-0197545, BEING PORTIONS OF LOTS 10 AND 13, RESPECTIVELY, OF THE SUBDIVISION OF THE RANCHO LAS ENCINITAS IN THE CITY OF CARLSBAD, COUNTY OF SAN DIEGO, STATE OF CALIFORNIA ACCORDING TO MAP THEREOF NO. 848 FILED JUNE 27, 1898 IN THE OFFICE OF THE SAN DIEGO COUNTY RECORDER, THE BOUNDARY OF SAID APN 255-040-59 BEING DESCRIBED IN DOCUMENT NO. 2017-0160897, CERTIFICATE OF COMPLIANCE FOR ADJUSTMENT PLAT, RECORDED APRIL 11, 2017 IN THE OFFICE OF THE SAN DIEGO COUNTY RECORDER.

SEPARATE SUBMITTALS

-FIRE SPRINKLER PLANS

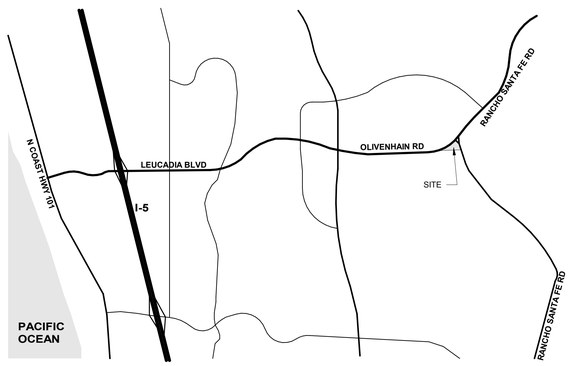
-ALARM PLANS

-TRUSSES

-CIVIL

-LANDSCAPE

VICINITY MAP



SCALE: N.T.S.

DIRECTORY

OWNER
OLIVENHAIN MUNICIPAL WATER DISTRICT
1966 OLIVENHAIN RD
ENCINITAS, CA 92024
CONTACT : GEORGE BRIEST

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F: (760)738-8619
CONTACT: MARK BAKER
EMAIL: mark@hba-architects.com

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INFRASTRUCTURE ENGINEERING CORPORATION
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POWAY, CA 92064
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F: (858) 413-2440
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VALLEY CENTER, CA 92082
P: (760)749-8722
F: (760)749-9412
CONTACT: STEVE REID, S.E.
EMAIL: steve@wynnengineering.com

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7360 CARROLL ROAD, SUITE 100
SAN DIEGO, CA 92121
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CONTACT: ALEX GINES
EMAIL: AGINES@DECENGINEERS.COM

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EPI
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SAN DIEGO, CA 92121
P: (858) 824-1761
F: (858) 824-1768
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EMAIL: LGUERRERO@ENGINEERINGPARTNERS.COM

LANDSCAPE DESIGN
RICK ENGINEERING COMPANY
5620 FRIARS ROAD
SAN DIEGO, CA 92110
P: (619) 291-0707
F: (619) 908-3581
CONTACT: TIMOTHY PRUSS
EMAIL: TPRUSS@RICKENGINEERING.COM

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SCST INC.
6280 RIVERDALE STREET
SAN DIEGO, CA 92120
P: (619) 280-4321
F: (619) 280-4717
WWW.SCST.COM

FIRE SPRINKLERS
RESPONSE FIRE PROTECTION
3056 RENAULT STREET
SAN DIEGO, CA 92122
P: (858) 677-9278
CONTACT: LAURA DEBELL
EMAIL: LAURAD@RESPONSEFIRE.COM

INTERIOR DESIGN
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2494 SAN CLEMENTE AVE
VISTA, CA 92084
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CONTACT: DEBORAH BRANDT
EMAIL: DBRANDT@BRANDTDESIGNGROUP.COM

COST ESTIMATING
CAMPBELL - ANDERSON & ASSOCIATES, INC.
4660 LA JOLLA VILLAGE DRIVE
SUITE 775
SAN DIEGO, CALIFORNIA 92122
P: (858) 455-8086
CONTACT: GRAHAM C. ANDERSON
EMAIL: GCANDERSON@CAMPBELLANDERSON.COM

PARKING

BUILDING	USE	AREA	PARKING RATIO	REQ. PARKING
BUILDING A+B EXPANSION PHASE 2	OFFICE	25,278 SF	1:250 SF	102
BUILDING J EXISTING SERVICE BUILDING (NIC)	WAREHOUSE	10,648 SF	1:1000 SF	10.6
BUILDING E EXISTING HAY FEED BUILDING (NIC)	RETAIL	2,000 SF	1:300 SF	6.7
BUILDING F EXISTING HAY FEED BUILDING (NIC)	RETAIL	2,600 SF	1:300 SF	8.7

TOTAL PARKING REQUIRED:	128
TOTAL PARKING PROVIDED:	**166** (INCLUDING 6 ADA)

NO	DATE	REVISION

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OLIVENHAIN - NEW AND REMODELED OPERATIONS AND ADMINISTRATION FACILITIES

BID SET

1966 OLIVENHAIN ROAD
ENCINITAS, CA 92024

HB&A Architects
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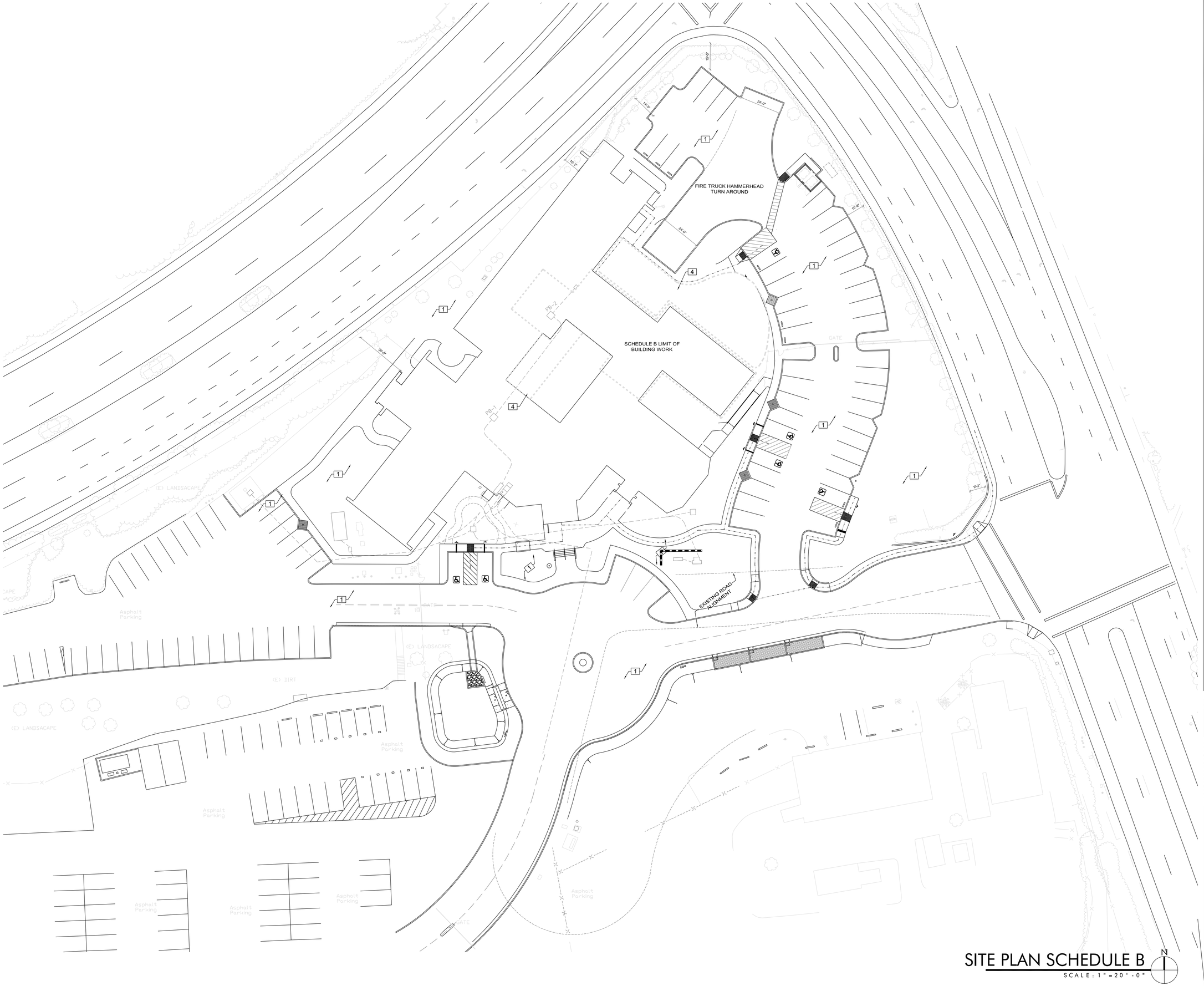
LICENSED ARCHITECT — MARK A. BAKER — C-18627 — 06/30/19 — STATE OF CALIFORNIA

DRAWN	CHECKED
NH	MB

PROJECT NO. 1704
DATE 08.24.18
SHEET NAME TITLE SHEET

T1.0B



LEGEND

SEE PHASE 1 SITE PLAN FOR INITIAL SITE WORK

1. EXISTING SITE TO REMAIN U.O.N. "TYP."
2. (N) CONCRETE FLATWORK PER CIVIL PLANS.
3. (N) LANDSCAPE PLANTER SEE LANDSCAPE PLANS - SEE CIVIL FOR LOCATIONS OF STORM WATER RETENTION AREAS
4. SCHEDULE 'B' LANDSCAPE WORK PER SHEET LP-2

BID SET
NOT FOR CONSTRUCTION
08/30/2018

NO	DATE	REVISION
1		
2		
3		
4		
5		

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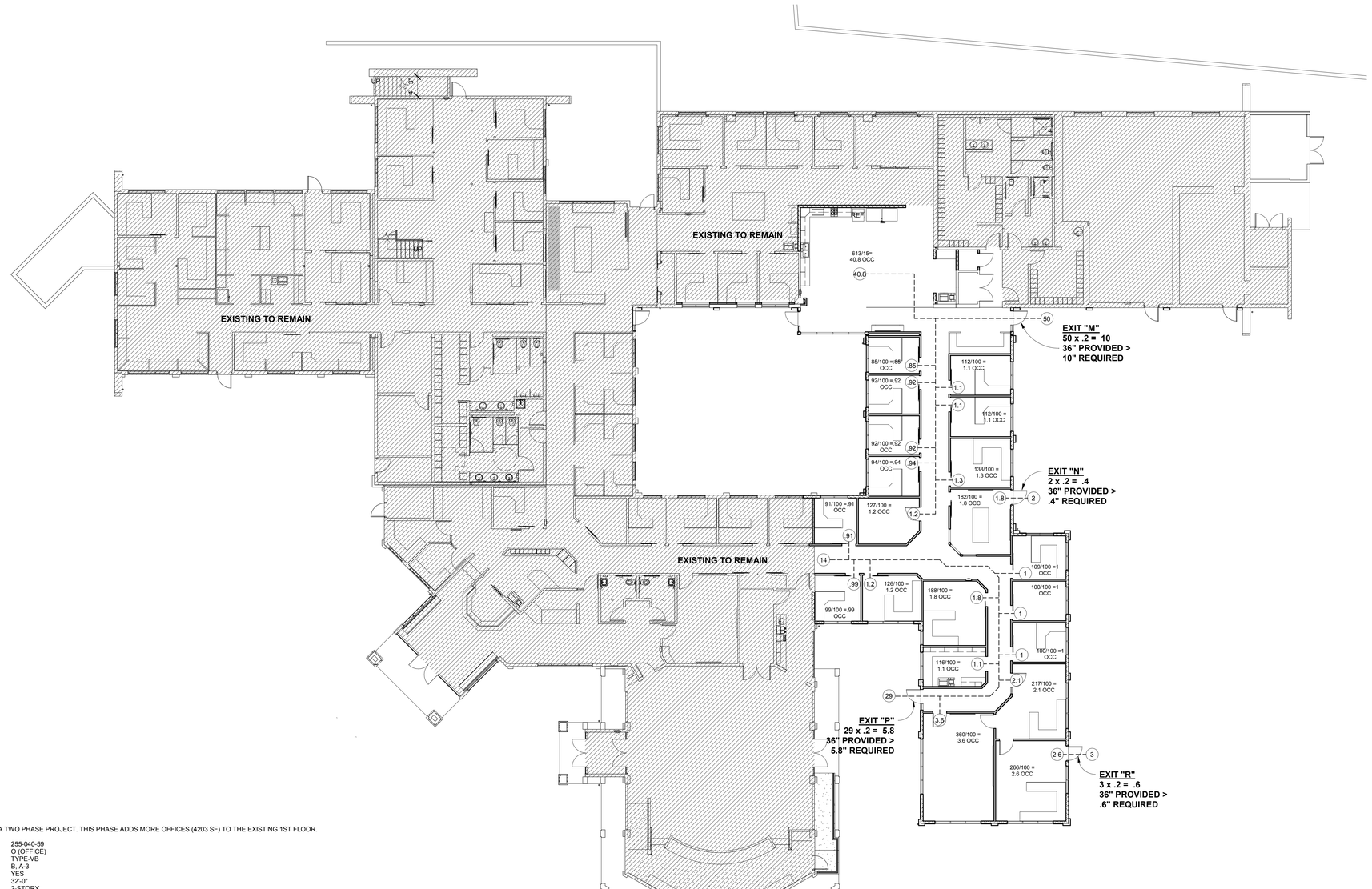
LICENSED ARCHITECT C-18627 04/30/19 STATE OF CALIFORNIA

DRAWN	CHECKED	DRAWING No.
MLB	XXX	A1.0B
CAD FILE NO.		
PROJECT NO. 1704		
DATE 08.01.18		SITE PLAN

SITE PLAN SCHEDULE B

SCALE: 1"=20'-0"

N



SCOPE OF WORK:
THE PROJECT IS THE SCEOND PHASE OF A TWO PHASE PROJECT. THIS PHASE ADDS MORE OFFICES (4203 SF) TO THE EXISTING 1ST FLOOR.

APN:	255-040-59
ZONE:	O (OFFICE)
CONSTRUCTION TYPE:	TYPE-VB
OCCUPANCY GROUPS:	B, A-3
FULLY SPRINKLERED:	YES
BUILDING HEIGHT:	32'-0"
NUMBER OF STORIES	2-STORY

TOTAL BUILDING AREA GROSS:
MAIN BUILDING: 22,997 SF **1ST FLOOR**
3,014 SF **2ND FLOOR** (EXISTING TO REMAIN)

OCCUPANT LOAD:

GROUP "A3" OCCUPANCY = 2,080 S.F. / 7 OCC LOAD =	297.14 OCCUPANTS
GROUP "B" OCCUPANCY (BUSINESS USE) = 20,917 S.F. / 100 OCC LOAD =	209.17 OCCUPANTS
TOTAL OCCUPANT LOAD	**506.31** OCCUPANTS

REQUIRED EXITS PER TABLE 1021.1 (501-1,000 OCC LOAD)= 3 EXITS
EXITS PROVIDED = 13 EXITS

EGRESS CODE ANALYSIS B 1
3/32" = 1'-0"

N

BID SET
NOT FOR
CONSTRUCTION
08/30/2018

NO.	DATE	REVISION

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OLIVENHAIN - NEW AND
REMODELED OPERATIONS AND
ADMINISTRATION FACILITIES

BID SET

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C-18627
06/30/19
STATE OF CALIFORNIA

DRAWN	CHECKED
Author	Checker

PROJECT NO. 1704
DATE 08.24.18
SHEET NAME EGRESS CODE ANALYSIS

T1.2B

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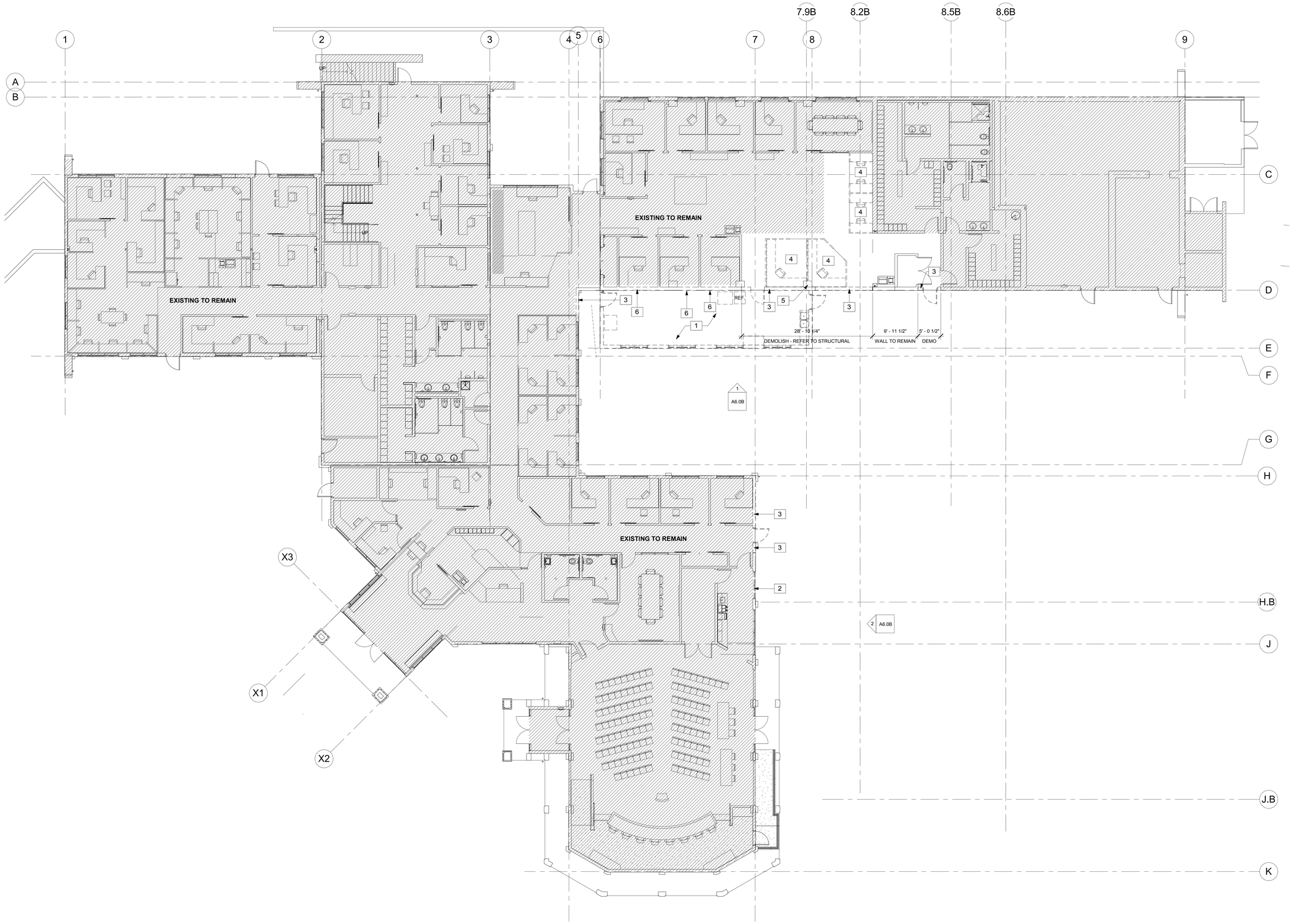

DEMO WALL LEGEND

- EXISTING WALL TO REMAIN
- EXISTING WALL TO BE DEMOLISHED
- EXISTING TO REMAIN

KEYNOTES

1. DEMOLISH EXISTING BREAK ROOM
2. EXISTING WINDOW TO BE REMOVED
3. REMOVE PORTIONS OF EXISTING WALL FOR NEW ADDITION - SEE SCH B FLOOR PLANS
4. REMOVE EXISTING CUBICLES
5. DEMOLISH COLUMN - REFER TO STRUCTURAL
6. REMOVE PORTIONS OF EXISTING WALL FOR NEW WINDOW - SEE SCH B FLOOR PLANS

BID SET
NOT FOR CONSTRUCTION
08/30/2018

NO.	DATE	REVISION

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OLIVENHAIN - NEW AND REMODELED OPERATIONS AND ADMINISTRATION FACILITIES

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LICENSED ARCHITECT — RENEW 12/31/19 — C. 18627 — STATE OF CALIFORNIA

DRAWN	CHECKED
NH	MB

PROJECT NO. 1704

DATE 08.24.18

SHEET NAME DEMO FLOOR PLAN B

A2.0B

DEMO FLOOR PLAN SCH B (1)
1/8" = 1'-0"

N

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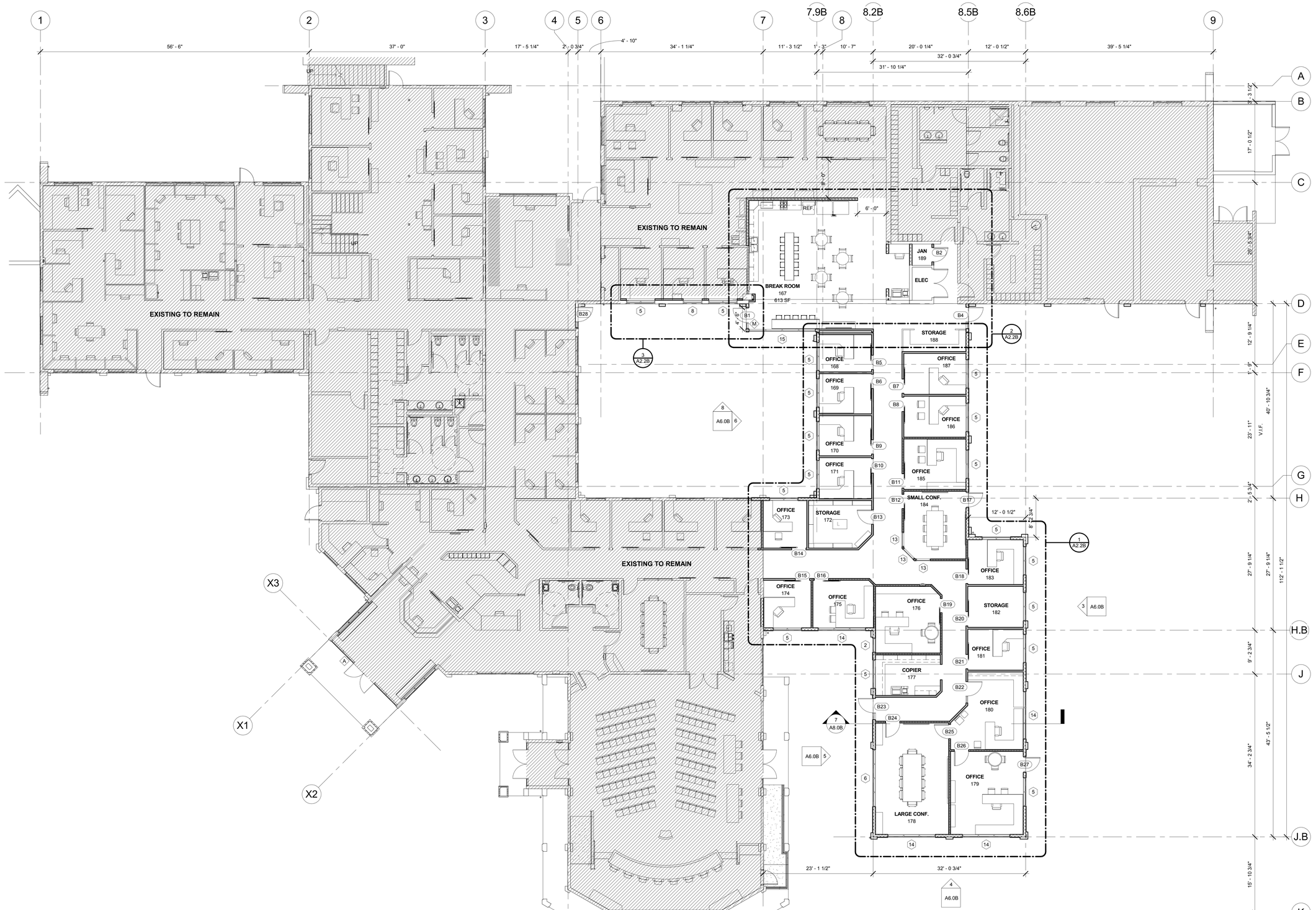

NOTE: ALL CONCRETE FLOORING TO BE TREATED FOR MOISTURE PROTECTION

FLOOR PLAN - SCHEDULE B 1

1/8" = 1'-0"

WALL LEGEND

- NEW 2X6 STUD WALL WITH 1/2" PLYWOOD AND STUCCO ON EXT. SIDE AND GYP BD ON INT. SIDE - SEE DETAIL **1/A9.0 & 12/A9.4**
- NEW 2X6 STUD WALL WITH GYP BD BOTH SIDES - SEE DETAIL **4/A9.2**
- NEW 2X6 STUD WALL WITH GYP BD BOTH SIDES - SEE DETAIL **2/A9.2**
- NEW 2X4 STUD WALL WITH GYP BD BOTH SIDES (1 SIDE GYP BD AT FURRING APPLICATIONS) - SEE DETAIL **4/A9.2**
- NEW 2X4 STUD WALL WITH GYP BD BOTH SIDES - SEE DETAIL **2/A9.2**
- EXISTING WALL TO REMAIN
- NEW INFILL AT EXISTING WALL - MATCH EXISTING WALL CONSTR.
- NEW 1HR RATED 2X6 STUD WALL WITH TYPE "X" GYP BD BOTH SIDES - SEE DETAIL **15&16/A9.2**

TAG LEGEND

- X — WINDOW TAG - SEE SCHEDULES ON SHEET **A5.0B**
- X — STOREFRONT TAG - SEE SCHEDULES ON SHEET **A5.0B**
- XX — DOOR TAG - SEE SCHEDULES ON SHEET **A5.0B**

BID SET
NOT FOR CONSTRUCTION
08/30/2018

NO.	DATE	REVISION

THE ARCHITECT, HB&A ARCHITECTS, INC (HB&A) HEREBY RESERVES ITS COMMON LAW COPYRIGHT AND OTHER PROPERTY RIGHTS. ALL IDEAS, DESIGNS, ARRANGEMENTS AND PLANS INDICATED OR REPRESENTED BY THESE DRAWINGS ARE OWNED BY AND ARE THE PROPERTY OF HB&A, AND WERE CREATED, EVOLVED AND DEVELOPED FOR THE USE IN CONNECTION WITH THE SPECIFIED PROJECT. THE IDEAS, DESIGNS, ARRANGEMENTS OR PLANS SHALL NOT BE ASSIGNED TO, USED BY, OR DISCLOSED TO ANY THIRD PARTY, FIRM OR CORPORATION, FOR ANY PURPOSE WHATSOEVER WITHOUT THE WRITTEN PERMISSION OF HB&A. FILING THESE DRAWINGS WITH ANY PUBLIC AGENCY IS NOT PUBLICATION OF SAME AND NO COPYING, REPRODUCTION OR USE THEREOF IS PERMISSABLE WITHOUT THE CONSENT OF HB&A. THE DRAWINGS ARE NOT TO BE CONSIDERED TO BE FINAL OR TO BE USED FOR CONSTRUCTION UNTIL SIGNED BY THE ARCHITECT.

OLIVENHAIN - NEW AND REMODELED OPERATIONS AND ADMINISTRATION FACILITIES

BID SET

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LICENSED ARCHITECT
LEWIS BAKER
C-18627
06/30/19
STATE OF CALIFORNIA

DRAWN	CHECKED
NH	MB

PROJECT NO. 1704

DATE 08.24.18

SHEET NAME FLOOR PLAN

A2.1B

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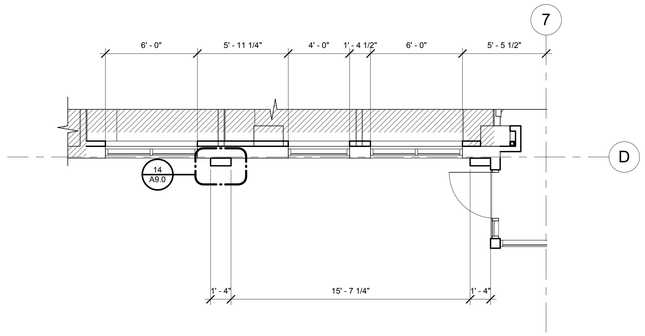
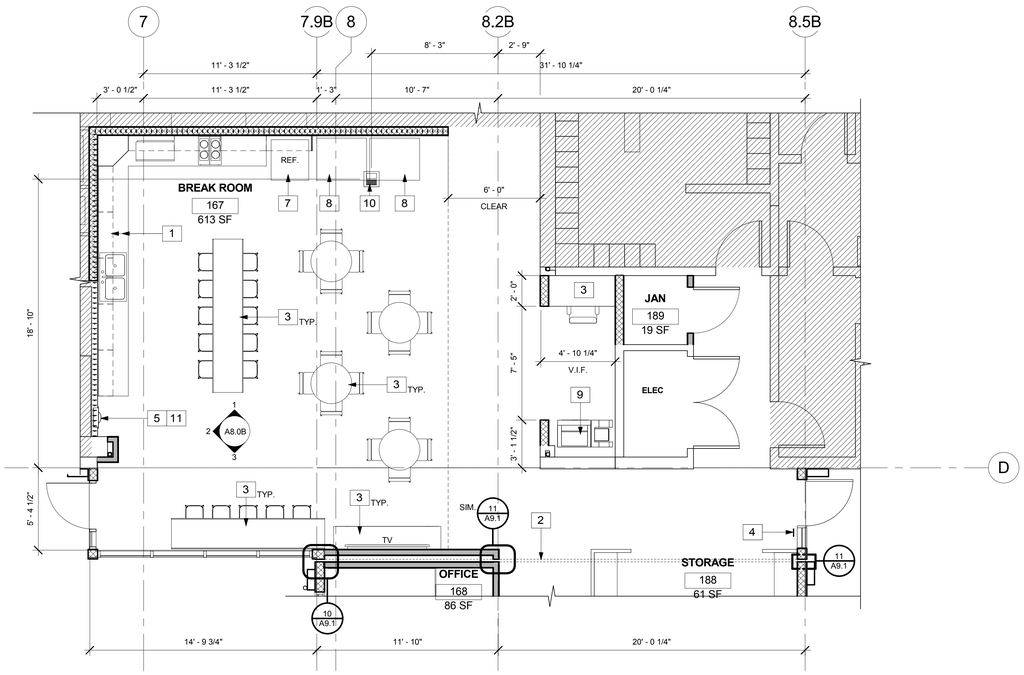


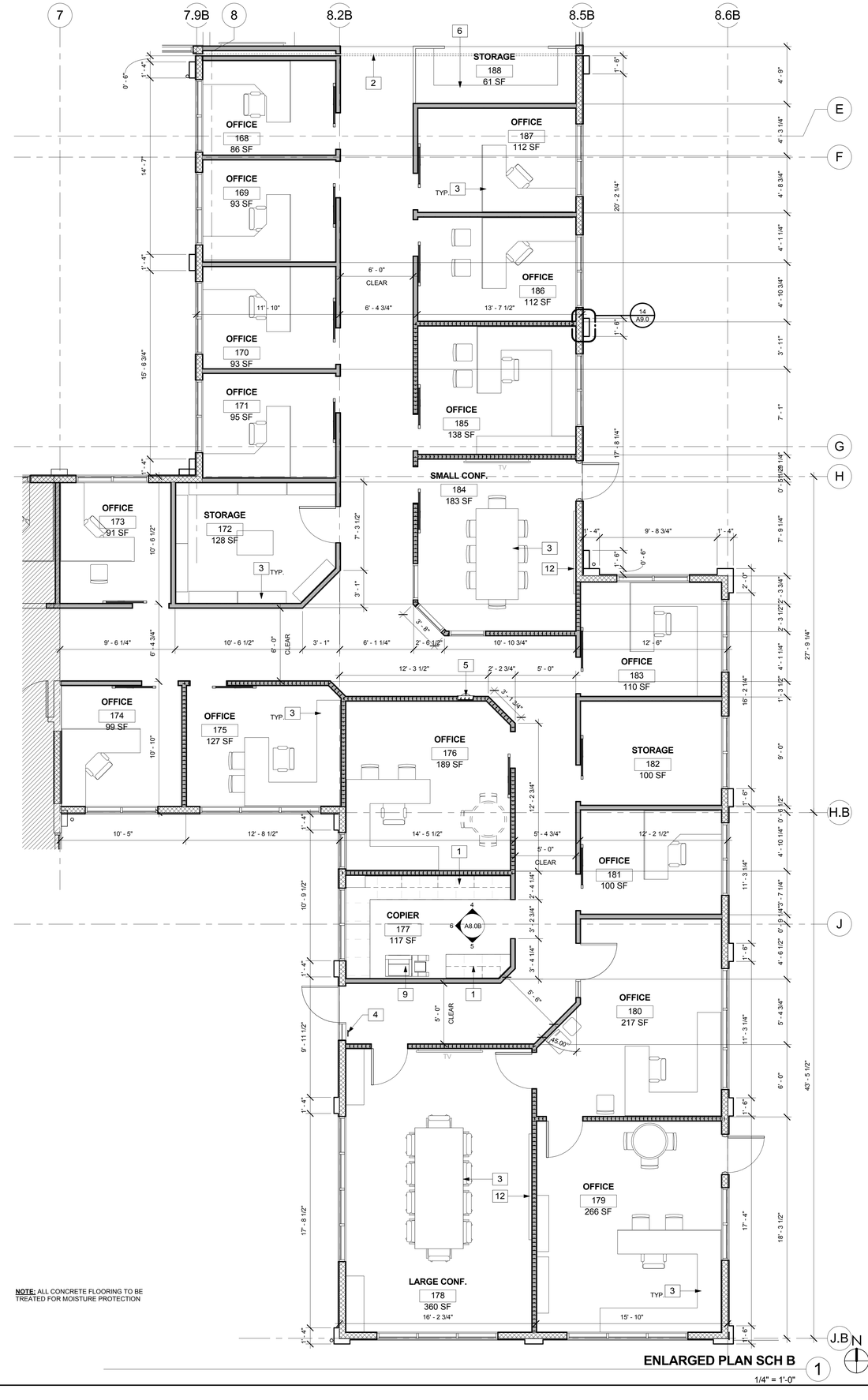
FLOOR PLAN - SCHEDULE B - WINDOWS 3

1/4" = 1'-0"



BREAK ROOM SCH B 2

1/4" = 1'-0"



NOTE: ALL CONCRETE FLOORING TO BE TREATED FOR MOISTURE PROTECTION

ENLARGED PLAN SCH B 1

1/4" = 1'-0"

WALL LEGEND

- NEW 2X6 STUD WALL WITH 1/2" PLYWOOD AND STUCCO ON EXT. SIDE AND GYP BD ON INT. SIDE - SEE DETAIL **1/A9.0 & 12/A9.4**
- NEW 2X6 STUD WALL WITH GYP BD BOTH SIDES - SEE DETAIL **4/A9.2**
- NEW 2X6 STUD WALL WITH GYP BD BOTH SIDES - SEE DETAIL **2/A9.2**
- NEW 2X4 STUD WALL WITH GYP BD BOTH SIDES (1 SIDE GYP BD AT FURRING APPLICATIONS) - SEE DETAIL **4/A9.2**
- NEW 2X4 STUD WALL WITH GYP BD BOTH SIDES - SEE DETAIL **2/A9.2**
- EXISTING WALL TO REMAIN
- NEW INFILL AT EXISTING WALL - MATCH EXISTING WALL CONSTR.
- NEW 1HR RATED 2X6 STUD WALL WITH TYPE "X" GYP BD BOTH SIDES - SEE DETAIL **15&16/A9.2**

TAG LEGEND

- X — WINDOW TAG - SEE SCHEDULES ON SHEET **A5.0B**
- X — STOREFRONT TAG - SEE SCHEDULES ON SHEET **A5.0B**
- XX — DOOR TAG - SEE SCHEDULES ON SHEET **A5.0B**

KEYNOTES

1. NEW CASEWORK
2. SEISMIC JOINT PER STRUCTURAL
3. ALL MOVEABLE FURNITURE IS SHOWN FOR GRAPHIC PURPOSES ONLY. FURNITURE IS OWNER SUPPLIED AND VENDOR INSTALLED
4. NEW TACTILE SIGN STATING "EXIT" SEE DETAIL **15/A10.0**
5. RECESSED / SEMI RECESSED FIRE EXSTINGUISHER CABINET, MOUNTED PER DETAIL **17/A9.3**
6. NEW SHELVING BY OWNER
7. FRIDGE BY OWNER
8. VENDING MACHINE BY OWNER
9. COPIER PROVIDED BY OWNER
10. NEW FLOOR SINK - SEE PLUMBING DRAWINGS
11. INSTALL OWNER SUPPLIED AED CABINET AND SIGN
12. NEW MARKER BOARD

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08/30/2018

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LICENSED ARCHITECT — RENEW 12/31/19 — C-18627 — 06/30/19 — STATE OF CALIFORNIA

DRAWN	CHECKED
NH	MB

PROJECT NO. 1704

DATE 08.24.18

SHEET NAME ENLARGED FLOOR PLANS

A2.2B

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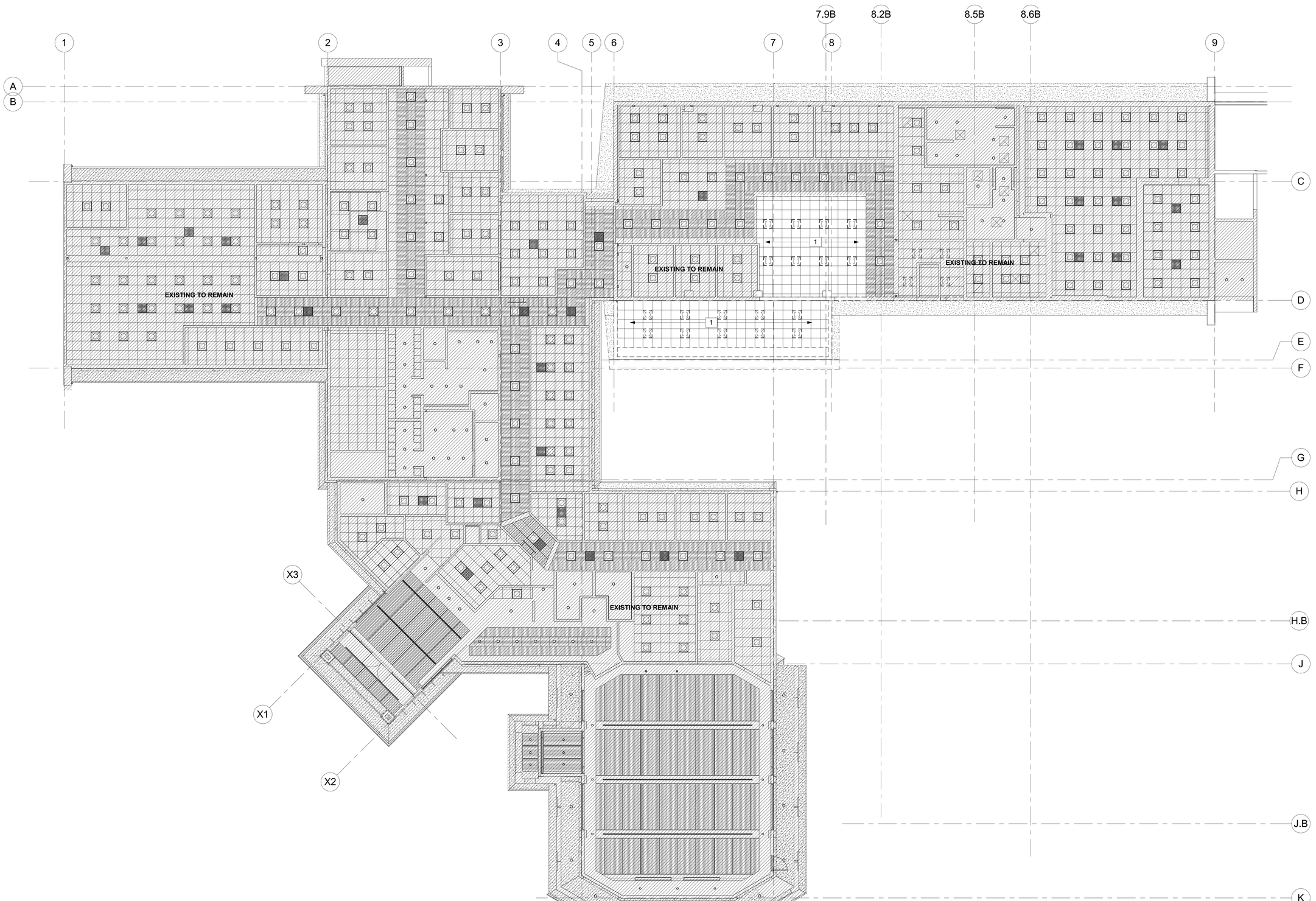

KEYNOTES

1 REMOVE EXISTING A.C.T. CEILING AND ALL ASSOCIATED LIGHT FIXTURES AND HVAC DIFFUSERS UNO

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Author	Checker

PROJECT NO. 1704

DATE 08.24.18

SHEET NAME DEMO CEILING PLAN

A3.0B

DEMO RCP PLAN SCH B
1/8" = 1'-0"

N

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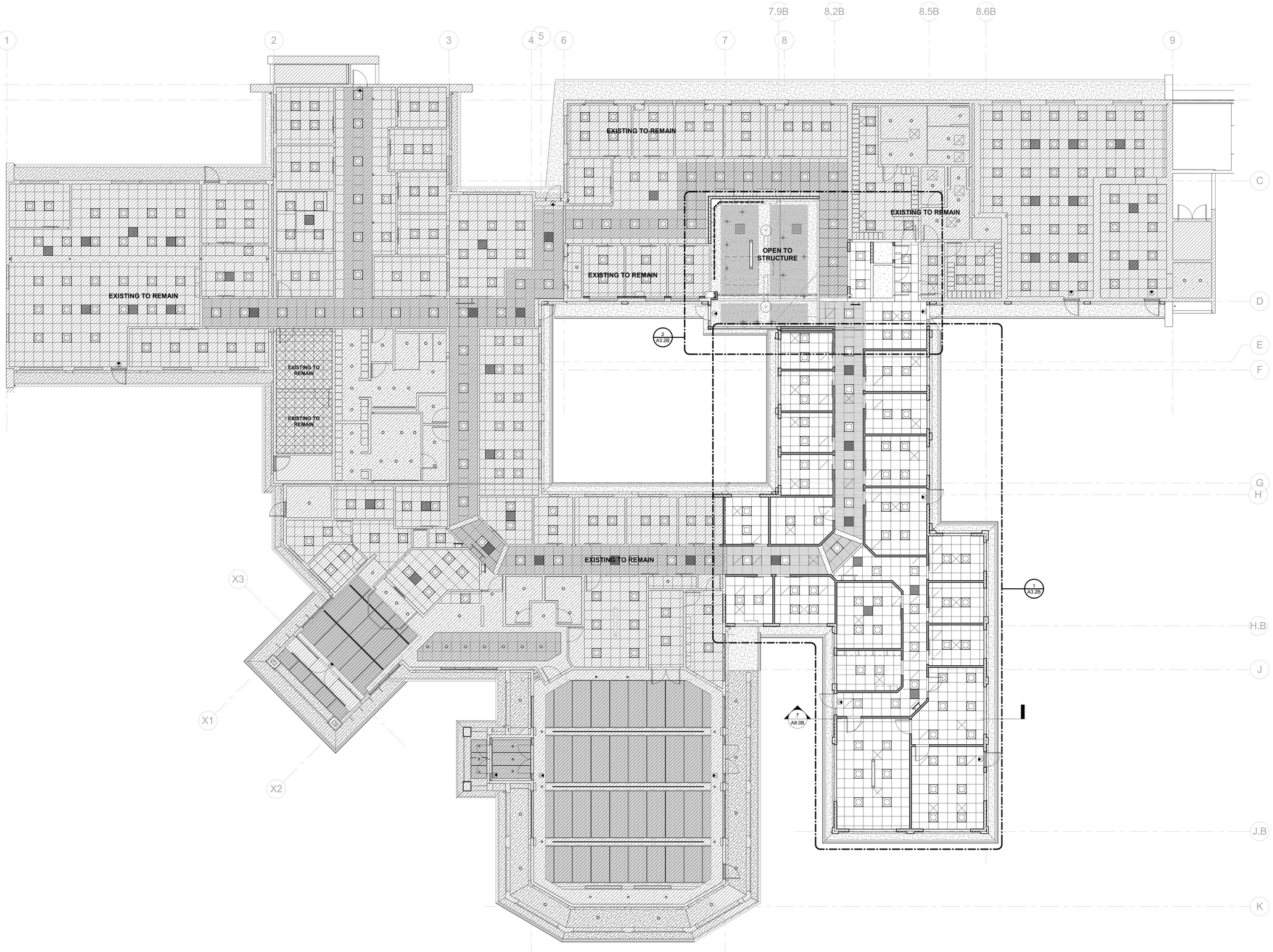

PROPOSED RCP SCHEDULE B

1/8" = 1'-0"

1

N

RCP LEGEND

- SUSPENDED T-BAR CEILING GRID WITH ACOUSTIC TILE - SEE DETAILS 2, 3, 4 ,5 & 6/A9.4
- WOOD SUSPENDED T-BAR CEILING GRID - SEE DETAILS 2, 3, 4 ,5 & 6/A9.4 SIM -- SEE 1/A9.6
- SUSPENDED WOODWORKS GRILLE CEILING AT BREAKROOM - SEE DETAILS 5/A9.6
- GYPSUM BOARD HARD-LID CEILING - SEE DETAIL 8/A9.3 (STUCCO AT EXTERIOR ROOF EAVES)
- 4 INCH RECESSED CAN LIGHT FIXTURE
- 4 INCH RECESSED DIRECTIONAL CAN LIGHT FIXTURE
- 6 INCH RECESSED CAN LIGHT FIXTURE (MOUNTED TO JOIST WHEN LOCATED IN ROOF EAVE)
- 6 INCH RECESSED CAN LIGHT FIXTURE (MOUNTED TO JOIST WHEN LOCATED IN ROOF EAVE)
- SUSPENDED LINEAR LED LIGHT FIXTURE (RECESSED IN BOARD ROOM)
- LINEAR LED UPLIGHT FIXTURE ABOVE SOFFIT
- 2x2 RECESSED LED LIGHT FIXTURE (SURFACE MOUNTED WHEN NOT LOCATED IN A.C.T.)
- 2x2 SOLATUBE FIXTURE - EXISTING TO REMAIN WHERE APPLICABLE
- SUPPLY AIR REGISTERS, SEE MECHANICAL PLANS
- RETURN AIR REGISTERS, SEE MECHANICAL PLANS
- EMERGENCY EXIT SIGN, SEE ELECTRICAL PLANS
- PENDANT LIGHT
- LINEAR PENDANT LIGHT
- UNDERCOUNTER TASK LIGHT
- LINEAR WALL SCONCE

SEE ELECTRICAL PLANS FOR LIGHTING INFO

RCP GEN. NOTES

1. ALL CEILINGS SHALL USE A HEAVY DUTY GRID SYSTEM.
2. THE WIDTH OF THE PERIMETER SUPPORTING CLOSURE ANGLE SHALL BE NOT LESS THAN 2 INCHES.
3. IN EACH ORTHOGONAL HORIZONTAL DIRECTION, ONE END OF THE CEILING GRID SHALL BE ATTACHED TO THE CLOSURE ANGLE.
4. THE OTHER END IN EACH HORIZONTAL DIRECTION SHALL HAVE A 3/4" CLEARANCE FROM THE WALL AND SHALL REST UPON AND BE FREE TO SLIDE ON A CLOSURE ANGLE OR A LISTED ASSEMBLY.
5. CEILING AREAS OVER 1,000 SQUARE FEET MUST HAVE HORIZONTAL RESTRAINT WIRES (TYPICALLY RESTRAINT WOULD CONSIST OF FOUR 12 GAUGE WIRES SPLAYED 90° TO EACH OTHER AND SLOPED 45° TO THE HORIZONTAL, PACED 12' O.C.)
6. CEILING AREAS OVER 2,500 SQUARE FEET MUST HAVE SEISMIC SEPARATION JOINTS OR FULL HEIGHT PARTITIONS.
7. CEILINGS WITHOUT RIGID BRACING MUST HAVE 2" OVERSIZE RIM RINGS FOR SPRINKLERS AND OTHER CEILING PENETRATIONS.

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DRAWN	CHECKED
Author	Checker

PROJECT NO. 1704

DATE 08.24.18

SHEET NAME REFLECTED CEILING PLAN

A3.1B

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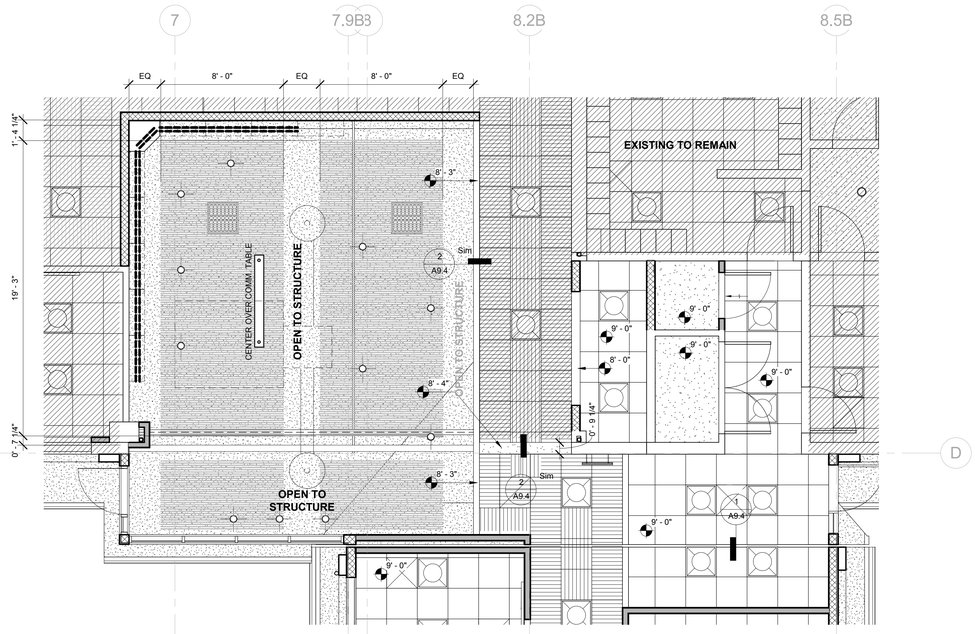
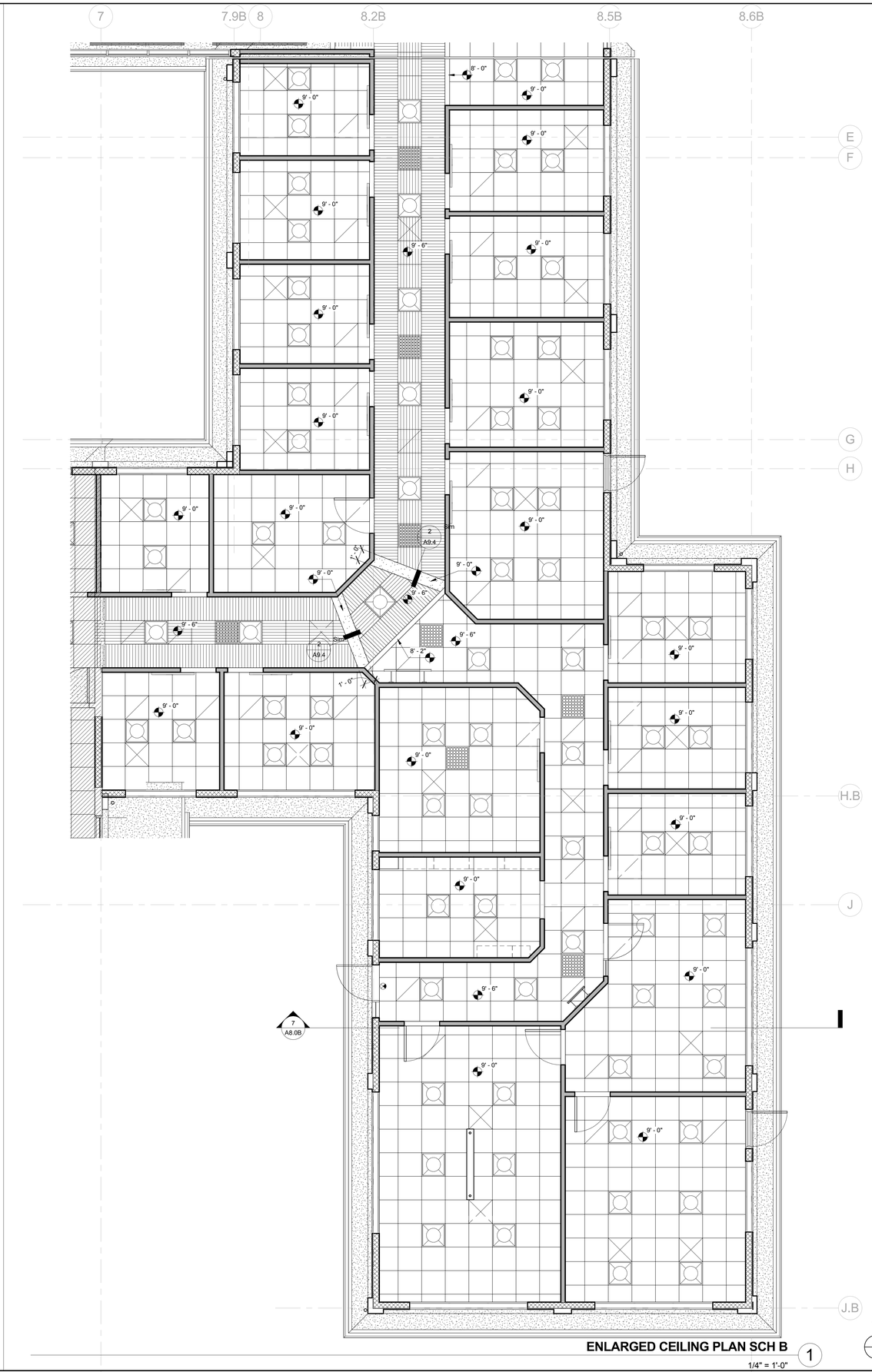


ENLARGED CEILING PLAN B 2

1/4" = 1'-0"



ENLARGED CEILING PLAN SCH B 1

1/4" = 1'-0"

RCP LEGEND

- SUSPENDED T-BAR CEILING GRID WITH ACOUSTIC TILE - SEE DETAILS **2, 3, 4 ,5 & 6/A9.4**
- WOOD SUSPENDED T-BAR CEILING GRID - SEE DETAILS **2, 3, 4 ,5 & 6/A9.4 SIM → SEE 1/A9.6**
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SEE ELECTRICAL PLANS FOR LIGHTING INFO

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Author	Checker

PROJECT NO. 1704

DATE 08.24.18

SHEET NAME ENLARGED CEILING PLAN

A3.2B

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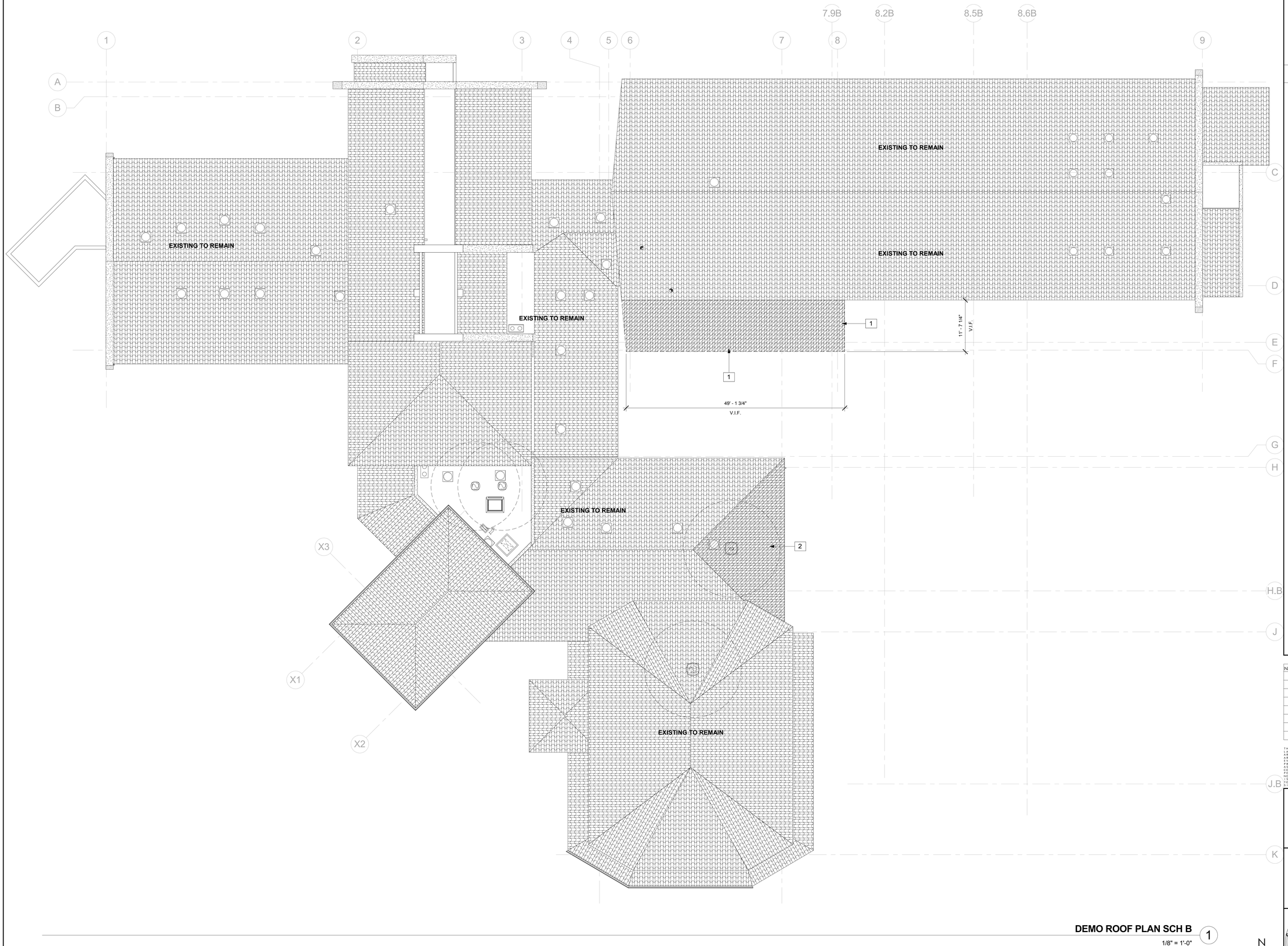

DEMO ROOF PLAN SCH B 1

1/8" = 1'-0"

N

KEYNOTES

1 EXISTING ROOF AT BREAK ROOM TO BE DEMOLISHED - PRESERVE EXISTING ROOF TILES FOR REUSE

2 REMOVE EXISTING TILES - PRESERVE EXISTING ROOF TILES FOR REUSE

DEMO ROOF PLAN LEGEND

EXISTING TO REMAIN

EXISTING TO BE DEMOLISHED

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DRAWN	CHECKED
Author	Checker

PROJECT NO. 1704

DATE 08.24.18

SHEET NAME DEMO ROOF PLAN

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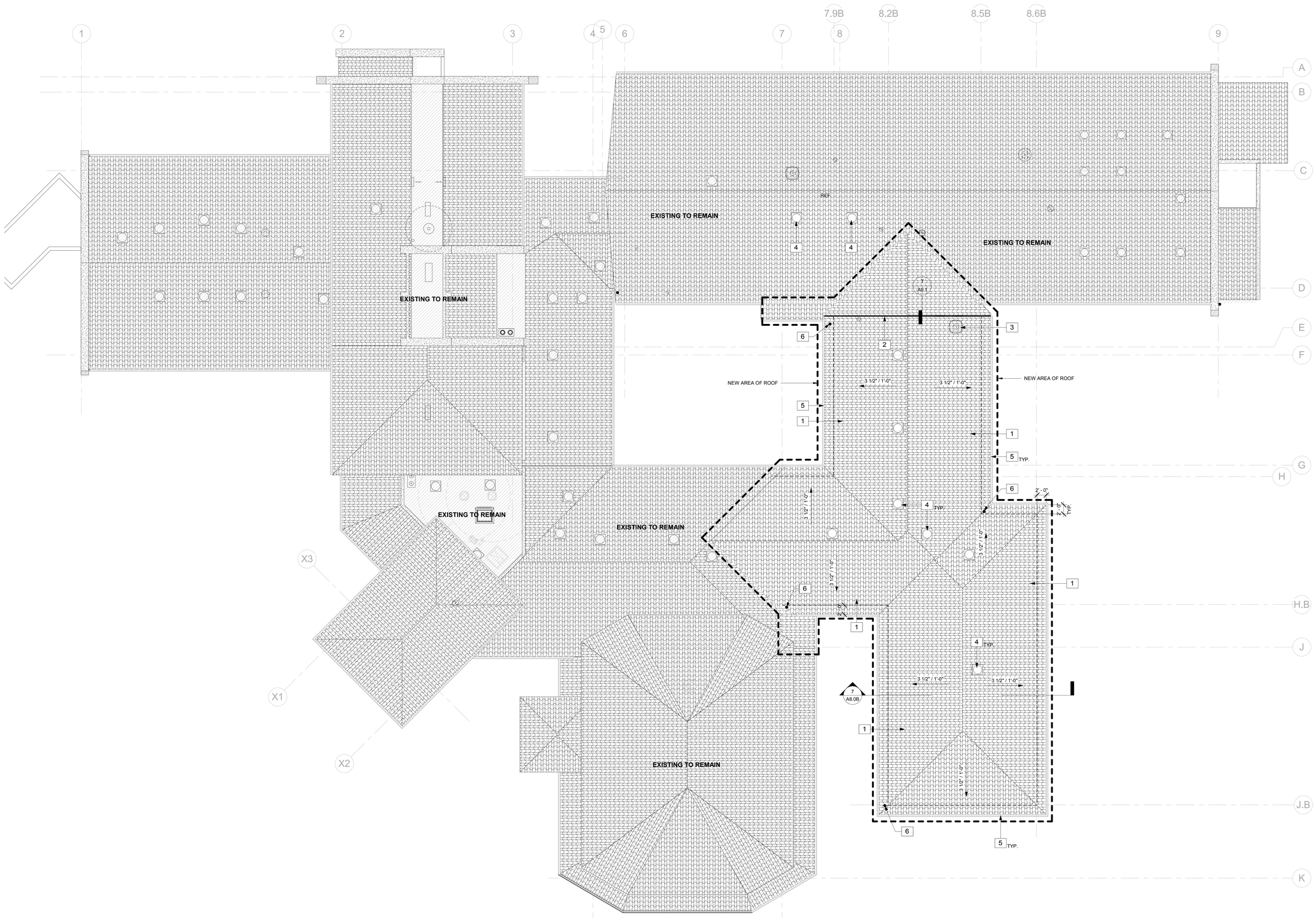

KEYNOTES

1. NEW CONCRETE "S" TILE ROOF TO MATCH EXISTING - COLOR SIMILAR TO FRAZEE "BAJA" CL1484M
2. NEW SEISMIC SEPARATION PER STRUCTURAL
3. NEW MECHANICAL EQUIPMENT - REFER TO MECHANICAL DRAWINGS
4. NEW SOLATUBE - REFER TO CEILING PLANS - INSTALL PER MANUFACTURER'S DETAILS
5. NEW GUTTER
6. NEW DOWNSPOUT

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DRAWN	CHECKED
Author	Checker

PROJECT NO. 1704

DATE 08.24.18

SHEET NAME ROOF PLAN SCH B

A4.1B

ROOF PLAN SCHEDULE B 1

1/8" = 1'-0"

N

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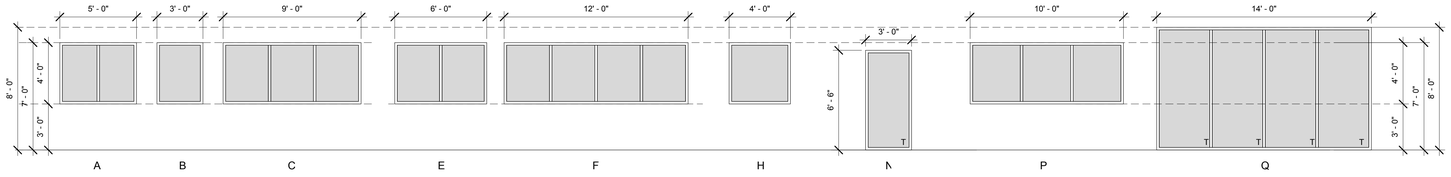
(X)

WINDOW / SF SCHEDULE B

Mark	Width	Height	Sill Height	Elevation	Comments	Room Number
2	3' - 0"	4' - 0"	3' - 0"	B		176
5	6' - 0"	4' - 0"	3' - 0"	E		154, 156, 168, 169, 170, 171, 173, 174, 177, 179, 181, 182, 183, 185, 186, 187
6	12' - 0"	4' - 0"	3' - 0"	F		178
8	4' - 0"	4' - 0"	3' - 0"	H		155
13	3' - 0"	6' - 6"	0' - 0"	N		184
14	10' - 0"	4' - 0"	3' - 0"	P		175, 178, 179, 180
15	14' - 0"	8' - 0"	0' - 0"	Q		167

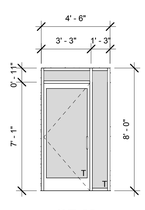
NOTES: - SF MULLIONS TO BE 2" X 5"
- SF = STOREFRONT

WINDOW / SF LEGEND



STOREFRONT SCHEDULE SCH B

Mark	Description	Elevation
M	ALUM STOREFRONT PER SPECS - DARK BRONZE - 2"x5" MULLIONS	SF-M



SF-M

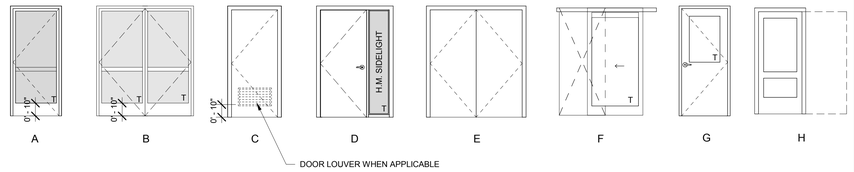
1/4" = 1'-0"

(XX)

DOOR SCHEDULE SCH B

Mark	Description	Width	Height	H.W. Group	Elevation	Frame Material	Notes	Room Number
B1	SINGLE ALUM STOREFRONT	3' - 0"	7' - 0"	115	A	AL		167
B2	SC WOOD	3' - 0"	7' - 0"	115	C	HM		189
B4	SC WOOD W/ TEMPERED SIDELIGHT	3' - 0"	7' - 0"	006	D	HM		NA
B5	SC WOOD SLIDER W/ TEMPERED GLASS	3' - 0"	7' - 0"	100	F	HM		168
B6	SC WOOD SLIDER W/ TEMPERED GLASS	3' - 0"	7' - 0"	100	F	HM		169
B7	SC WOOD SLIDER W/ TEMPERED GLASS	3' - 0"	7' - 0"	100	F	HM		187
B8	SC WOOD SLIDER W/ TEMPERED GLASS	3' - 0"	7' - 0"	100	F	HM		186
B9	SC WOOD SLIDER W/ TEMPERED GLASS	3' - 0"	7' - 0"	100	F	HM		170
B10	SC WOOD SLIDER W/ TEMPERED GLASS	3' - 0"	7' - 0"	100	F	HM		171
B11	SC WOOD SLIDER W/ TEMPERED GLASS	3' - 0"	7' - 0"	100	F	HM		185
B12	SC WOOD SLIDER W/ TEMPERED GLASS	3' - 0"	7' - 0"	100	F	HM		184
B13	SC WOOD	3' - 0"	7' - 0"	118	C	HM		172
B14	SC WOOD SLIDER W/ TEMPERED GLASS	3' - 0"	7' - 0"	100	F	HM		173
B15	SC WOOD SLIDER W/ TEMPERED GLASS	3' - 0"	7' - 0"	100	F	HM		174
B16	SC WOOD SLIDER W/ TEMPERED GLASS	3' - 0"	7' - 0"	100	F	HM		175
B17	STEEL	3' - 0"	7' - 0"	006	G	HM		184
B18	SC WOOD SLIDER W/ TEMPERED GLASS	3' - 0"	7' - 0"	100	F	HM		183
B19	SC WOOD SLIDER W/ TEMPERED GLASS	3' - 0"	7' - 0"	100	F	HM		176
B20	SC WOOD SLIDER W/ TEMPERED GLASS	3' - 0"	7' - 0"	100	F	HM		182
B21	SC WOOD SLIDER W/ TEMPERED GLASS	3' - 0"	7' - 0"	100	F	HM		181
B22	SC WOOD W/ TEMPERED SIDELIGHT	3' - 0"	7' - 0"	114	D	HM		180
B23	SC WOOD W/ TEMPERED SIDELIGHT	3' - 0"	7' - 0"	006	D	HM		NA
B24	SC WOOD	3' - 0"	7' - 0"	114	C	HM		178
B25	SC WOOD	3' - 0"	7' - 0"	106	C	HM		180
B26	SC WOOD	3' - 0"	7' - 0"	106	C	HM		180
B27	STEEL	3' - 0"	7' - 0"	006	G	HM		179
B28	SC WOOD W/ TEMPERED SIDELIGHT	3' - 0"	7' - 0"	112	D	HM		NA

DOOR LEGEND



WINDOW NOTES:

1. ALL INTERIOR WINDOWS TO BE SINGLE GLAZED CLEAR VISION GLASS PER SPECIFICATIONS

2. ALL EXTERIOR WINDOWS TO BE DUAL GLAZED, INSULATING TYPE WITH TINTED GLASS ON EXTERIOR FACE AND CLEAR VISION GLASS ON INTERIOR FACE PER SPECIFICATIONS

3. ALL EXTERIOR WINDOWS AND STOREFRONT TO RECEIVE WINDOW COVERINGS PER SPECIFICATIONS AND ID DRAWINGS

4. ALL NEW EXTERIOR WINDOWS SHALL COMPLY WITH AAMA REQUIRED STANDARDS FOR INSTALLATION AND SHALL HAVE APPROVED FLASHING LAPS, REQUIRE SEALANT AND RECOMMENDED SIZES.

DOOR NOTES:

1. ALL INTERIOR GLAZING TO BE SINGLE GLAZED CLEAR VISION GLASS PER SPECIFICATIONS

2. ALL EXTERIOR GLAZING TO BE DUAL GLAZED, INSULATING TYPE WITH TINTED GLASS ON EXTERIOR FACE AND CLEAR VISION GLASS ON INTERIOR FACE PER SPECIFICATIONS

3. ALL EGRESS DOORS SHALL BE READILY OPENABLE FROM THE EGRESS SIDE WITHOUT THE USE OF A KEY OR SPECIAL KNOWLEDGE OR EFFORT.

4. ALL NEW EXTERIOR DOORS SHALL COMPLY WITH AAMA REQUIRED STANDARDS FOR INSTALLATION AND SHALL HAVE APPROVED FLASHING LAPS, REQUIRE SEALANT AND RECOMMENDED SIZES.

T = TEMPERED GLAZING

SAFETY GLAZING SHALL BE PROVIDED AT THE FOLLOWING LOCATIONS:

SAFETY GLAZING IS REQUIRED WHERE THE NEAREST EDGE OF GLAZING IS WITHIN A 24 INCH ARC OF EITHER VERTICAL EDGE OF THE DOOR IN A CLOSED POSITION AND THE
BOTTOM EXPOSED EDGE OF THE GLAZING IS LESS THAN 60 INCHES ABOVE THE WALKING SURFACE.

SAFETY GLAZING IS REQUIRED WHERE THE BOTTOM EDGE OF THE GLAZING IS LESS THAN 18 INCHES ABOVE A FLOOR; THE TOP EDGE IS MORE THAN 36 INCHES ABOVE THE
FLOOR; THE EXPOSED AREA OF THE INDIVIDUAL PANE IS GREATER THAN 9 SQUARE FEET; AND ONE OR MORE WALKING SURFACES IS WITHIN 36 INCHES HORIZONTALLY OF
THE PLANE OF THE GLAZING.

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OLIVENHAIN - NEW AND REMODELED OPERATIONS AND ADMINISTRATION FACILITIES

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LICENSED ARCHITECT — MATTHEW S. BELL — C-18627 — 06/30/19 — STATE OF CALIFORNIA

DRAWN	CHECKED
Author	Checker

PROJECT NO. 1704
DATE 08.24.18
SHEET NAME SCHEDULES

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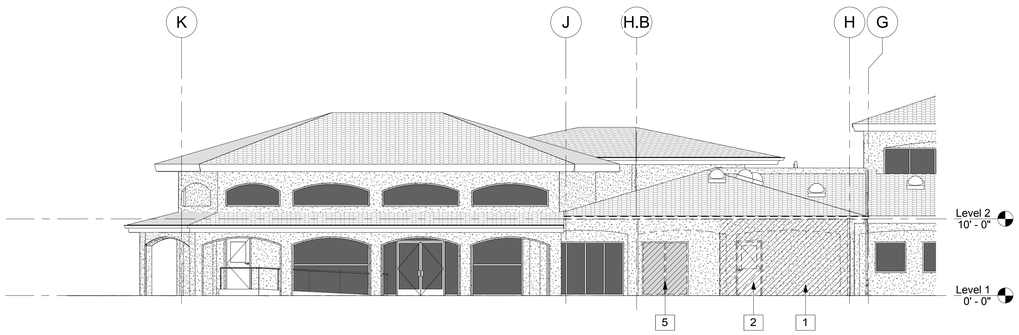
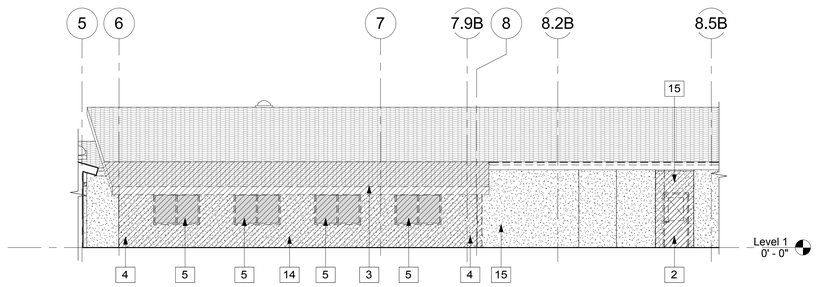


DEMO ELEVATION SCH B - MEETING ROOM 2

1/8" = 1'-0"



DEMO ELEVATION SCH B 1

1/8" = 1'-0"

KEYNOTES

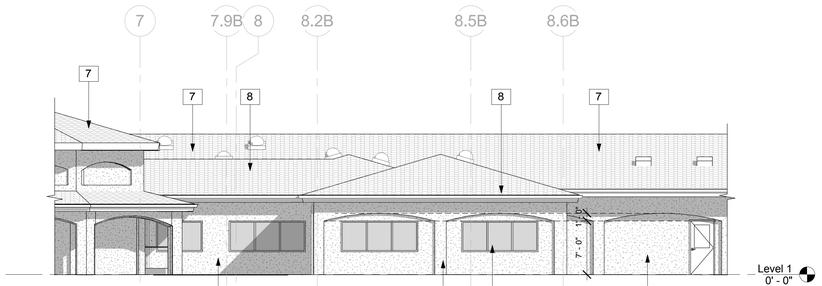
1	DEMOLISH PORTION OF STUCCO ON EXISTING WALL
2	EXISTING DOOR TO BE DEMOLISHED
3	EXISTING ROOF TO BE DEMOLISHED
4	EXISTING EXTERIOR WING WALL TO BE DEMOLISHED
5	EXISTING WINDOW TO BE DEMOLISHED
6	STUCCO - DE6135 VERONA BEACH - TYP.
7	EXISTING CONCRETE "S" TILE ROOF TO REMAIN
8	NEW CONCRETE "S" TILE ROOF TO MATCH EXISTING - COLOR SIMILAR TO FRAZEE "BAJA" CL1484M
9	NEW BRONZE ANODIZED ALUMINUM STOREFRONT / WINDOW
10	DOOR PAINTED - FRAZEE "WRINKLE" CL2724D
11	FASCIA (EXISTING IS WOOD - NEW TO BE STUCCO) - FRAZEE "MUD PUDDLE" CL2645A
12	NEW PILASTER ARCH / ELEMENT ON EXISTING BUILDING - STUCCO - FRAZEE "DORNIX" CL2722W
13	EXISTING BRONZE ANODIZED ALUMINUM WINDOW TO REMAIN
14	DEMOLISH EXISTING BREAK ROOM
15	DEMOLISH EXISTING WALL - REFER TO DEMO PLAN AND STRUCTURAL DRAWINGS
16	SEISMIC SEPARATION PER STRUCTURAL DRAWINGS
17	NEW SOLATUBE - REFER TO CEILING PLANS
18	APPLY TRANSLUCENT FILM / SPRAY ON EXTERIOR PORTION ON SIDELIGHT TO SUFFICIENTLY MASK TACTILE SIGN ON INTERIOR

DEMO ELEVATION LEGEND

EXISTING WALL / ROOF TO REMAIN

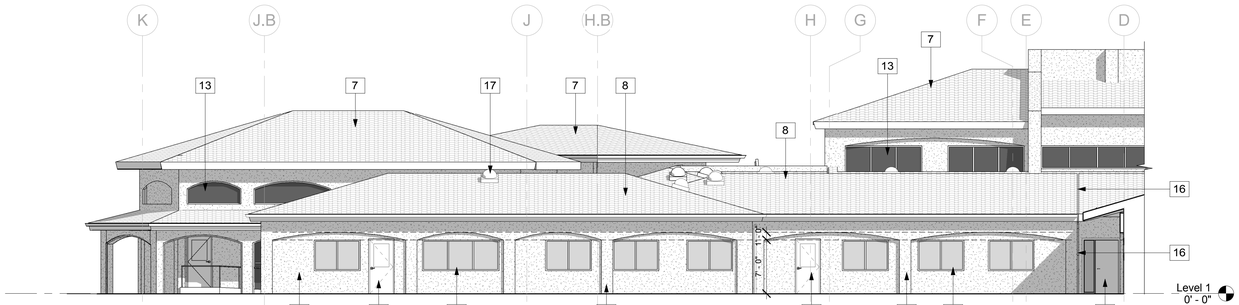
EXISTING WALL TO BE DEMOLISHED

EXISTING TO BE DEMOLISHED



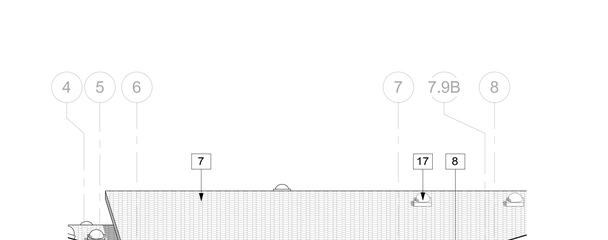
SCH B ELEVATION - SOUTH 4

1/8" = 1'-0"



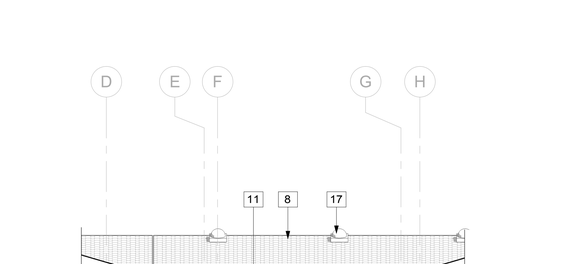
SCH B ELEVATION - EAST 3

1/8" = 1'-0"



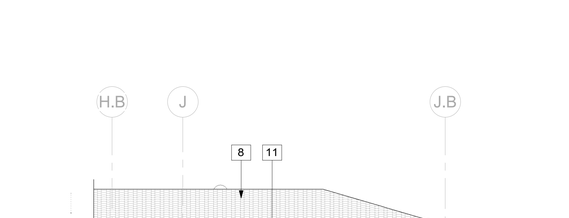
COURTYARD ELEVATION NORTH SCH B 8

1/8" = 1'-0"



COURTYARD ELEVATION SCH B 6

1/8" = 1'-0"



SCH B ELEVATION - WEST 5

1/8" = 1'-0"

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LICENSED ARCHITECT — RENEW 2 — C-18627 — 06/30/19 — STATE OF CALIFORNIA

DRAWN: Author	CHECKED: Checker
PROJECT NO.: 1704	A6.0B
DATE: 08.24.18	
SHEET NAME: EXTERIOR ELEVATIONS	

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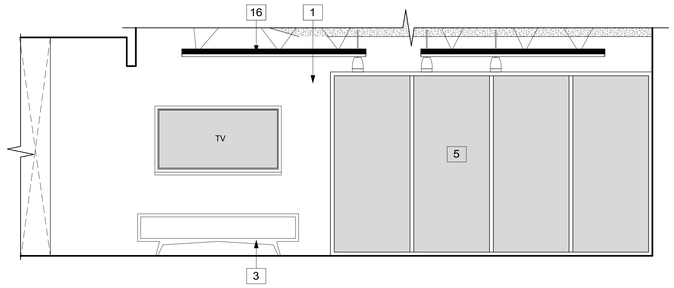
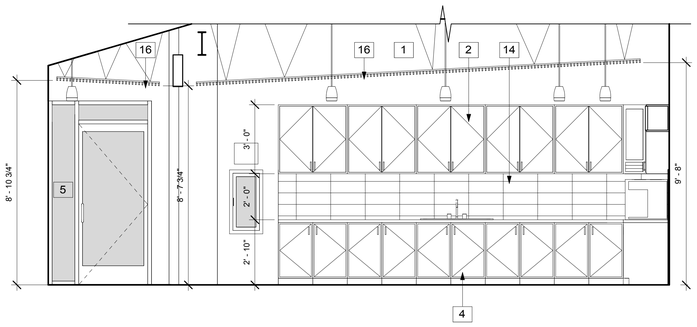


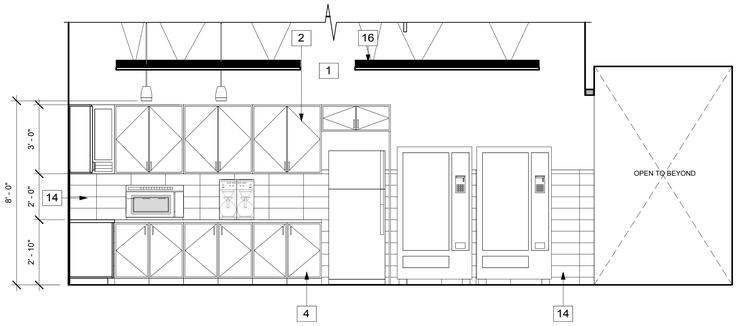
BREAK ROOM - SOUTH 3

3/8" = 1'-0"



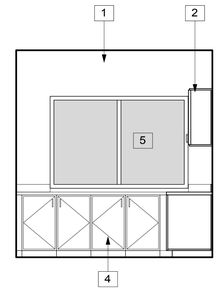
BREAK ROOM - EAST 2

3/8" = 1'-0"



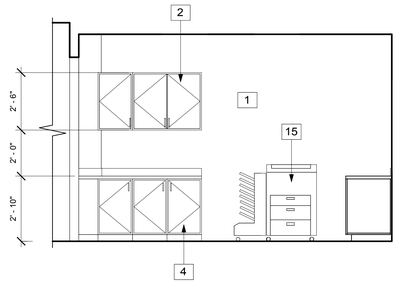
BREAK ROOM - NORTH 1

3/8" = 1'-0"



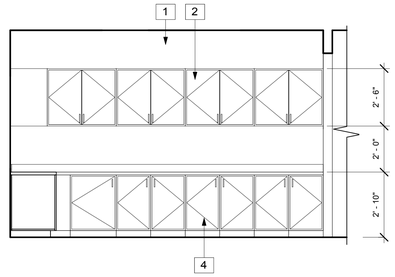
COPIER 177 WEST 6

3/8" = 1'-0"



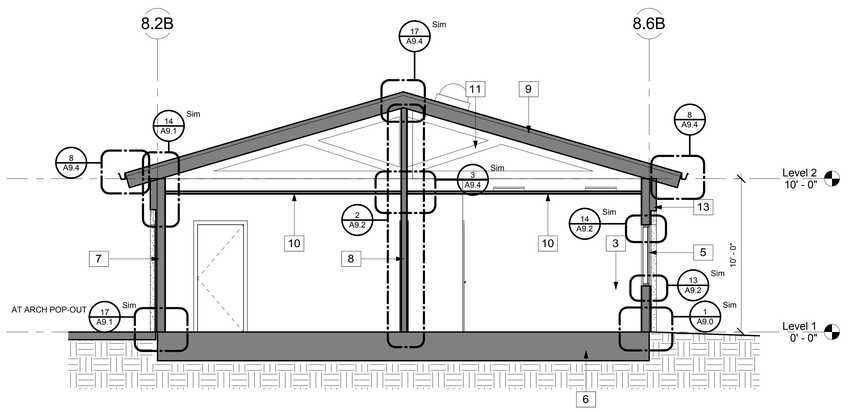
COPIER 177 SOUTH 5

3/8" = 1'-0"



COPIER 177 NORTH 4

3/8" = 1'-0"



SCH B SECTION 7

1/4" = 1'-0"

N

KEYNOTES

1	PAINTED GYP BOARD PER FINISH SCHEDULE **ID0.0**
2	WALL HUNG CABINET PER SPECIFICATIONS, SEE DETAIL **16/A9.3**
3	ALL MOVEABLE FURNITURE IS SHOWN FOR GRAPHIC PURPOSES ONLY. FURNITURE IS OWNER SUPPLIED AND VENDOR INSTALLED
4	BASE CABINET PER SPECIFICATIONS, SEE DETAIL **16/A9.3**
5	WINDOW / STOREFRONT PER SCHEDULE
6	CONCRETE MAT SLAB PER STRUCTURAL FOUNDATION PLAN TYP.
7	2x WOOD FRAMED EXTERIOR STUD WALL, SEE **1/A9.0**
8	2x WOOD STUD INTERIOR PARTITION WALL, SEE DETAIL **18/A9.0**
9	TILE ROOF PER SPECS / DETAILS
10	SUSPENDED T-BAR GRID ACCOUSTICAL TILE CEILING SEE RCP AND DETAILS **2, 3, 4 ,5 & 6/A9.4**
11	TRUSSES - SEE STRUCTURAL PLANS
12	SUSPENDED CEILING FEATURE - REFER TO RCP
13	WOOD FRAMED STUCCO FINISHED ARCH ELEMENTS PER ELEVATIONS AND DETAILS
14	TILE BACKSPLASH PER FINISH SCHEDULE - REFER TO ID SHEETS FOR ALL FINISH RELATED INFO
15	COPIER PROVIDED BY OWNER
16	SUSPENDED CEILING ELEMENT - WOODWORKS GRILLE BY ARMSTRONG - SEE DETAIL **5/A9.6**

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DRAWN	CHECKED
Author	Checker

PROJECT NO. 1704

DATE 08.24.18

SHEET NAME INTERIOR ELEVATIONS AND SECTIONS

A8.0B

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OLIVENHAIN
Municipal Water District

FINISH LEGEND

ROOM FINISH SCHEDULE

ROOM #	ROOM NAME	FLOOR	BASE	WALL NORTH	WALL EAST	WALL SOUTH	WALL WEST	CASEWK TOP	CASEWK VERT		CEILING TYPE	CEILING FINISH	AREA	REMARKS
PHASE "B"				BASED ON PLAN NORTH										
167	BREAKROOM	VT1 / VT2	B-2	P-5	P-1	P-1	P-5	SS-1	PL-3	-	APC-1	-		*REFER TO SHEET ID2.1 *P-5 BETWEEN COUNTERTOP AND UPPER CABINETS
168	OFFICE	CPT-2	B-1	P-2	P-1	P-1	P-1	-	-	-	APC-1	-		
169	OFFICE	CPT-2	B-1	P-1	P-1	P-3	P-1				APC-1	-		
170	OFFICE	CPT-2	B-1	P-2	P-1	P-1	P-1				APC-1	-		
171	OFFICE	CPT-2	B-1	P-1	P-1	P-3	P-1				APC-1	-		
172	STORAGE	VT-1	B-2	P-1	P-1	P-1	P-1				APC-1	-		*REFER TO SHEET ID2.0
173	OFFICE	CPT-2	B-1	P-1	P-1	P-1	P-3	-	-	-	APC-1	-		
174	OFFICE	CPT-2	B-1	P-1	P-1	P-1	P-2	-	-	-	APC-1	-		
175	OFFICE	CPT-2	B-1	P-1	P-3	P-1	P-1	-	-	-	APC-1	-		
176	OFFICE	CPT-2	B-1	P-1	P-1	P-2	P-1	-	-	-	APC-1	-		
177	COPIER	VT-1	B-2	P-1	P-1	P-1	P-1	PL-3	PL-3	-	APC-1	-		*REFER TO SHEET ID2.0
178	LARGE CONF ROOM	CPT-2	B-1	P-1	P-5	P-1	P-1			-	APC-1	-		
179	OFFICE	CPT-2	B-1	P-1	P-3	P-3	P-1			-	APC-1	-		
180	OFFICE	CPT-2	B-1	P-1	P-3	P-3	P-1			-	APC-1	-		
181	OFFICE	CPT-2	B-1	P-2	P-1	P-1	P-1			-	APC-1	-		
182	STORAGE	VT-1	B-2	P-1	P-1	P-1	P-1			-	APC-1	-		*REFER TO SHEET ID2.0
183	OFFICE	CPT-2	B-1	P-3	P-1	P-1	P-1			-	APC-1	-		
184	SMALL CONF ROOM	CPT-2	B-1	P-1	P-4	P-1	P-1			-	APC-1	-		
185	OFFICE	CPT-2	B-1	P-2	P-1	P-1	P-1			-	APC-1	-		
186	OFFICE	CPT-2	B-1	P-3	P-1	P-1	P-1			-	APC-1	-		
187	OFFICE	CPT-2	B-1	P-1	P-1	P-2	P-1			-	APC-1	-		
188	STORAGE	VT-1	B-2	P-1	P-1	P-1	P-1		-	-	APC-1	-		
189	JAN	SV-1	B-3	FRP-1	FRP-1	FRP-1	FRP-1		-	-	GYP BD	-		
NA	ELECT	VT-1	B-4	P-1	P-1	P-1	P-1		-	-	APC-1	-		
												-		

NOTE REFER TO ID2.0B, ID2.1B AND ID4.0 FOR ADDITIONAL WALL AND FLOOR FINISH DETAILS / INSTALLATION / FINISH PLANS

ROOM FINISH SCHEDULE LEGEND

MATERIAL ABBREVIATIONS

CONC	—	CONCRETE
CPT	—	CARPET
SV	—	SHEET VINYL
VCT	—	VINYL COMPOSITION TILE
ST	—	STAIR TREAD/NOSE
PT	—	PORCELAIN TILE
EM	—	ENTRY MAT
VT	—	VINYL TILE
B	—	BASE
P	—	PAINT
SS	—	SOLID SURFACE
WP	—	WALL PANEL
CG	—	CORNER GUARD
CR	—	CHAIR RAIL
SC	—	STAINED CONCRETE
PL	—	PLASTIC LAMINATE
QS	—	QUARTZ SURFACE
WF	—	WOOD FILM
D	—	DOOR
LK	—	LOCKER
GL	—	GLASS
APC	—	ACOUSTICAL PANEL CEILING
W	—	WINDOW COVERING

SCHEDULE NOTES:

1. SEE ID0.1 FOR FINISH SPECIFICATIONS.
2. PAINT FOR CEILING INDICATES GYP BOARD CEILING - DO NOT PAINT ANY APC CEILINGS.
3. SEE ID2.0 FOR FLOOR PATTERN.
4. SEE ID2.1 FOR PAINT ACCENT.
5. SEE RCP FOR CEILING DESIGN AND PAINT LOCATIONS.

GENERAL CONDITIONS

1. ALL MATERIALS TO BE INSTALLED PER MANUFACTURER'S REQUIREMENTS.
2. WARRANTY INFORMATION AND INSTRUCTIONS FOR MAINTENANCE ON ALL FINISH MATERIALS SHALL BE PROVIDED TO THE OWNER AND INCLUDED IN THE CLOSEOUT WARRANTY AND MAINTENANCE MANUAL.
3. THE CONTRACTOR AND SUBCONTRACTOR ARE RESPONSIBLE FOR REVIEWING THE ENTIRE SET OF CONSTRUCTION DOCUMENTS FOR INFORMATION NOT SPECIFIED ON THE FINISH SCHEDULE OR LEGEND.
4. ALL SUBSTRATE SURFACES ARE TO BE PROPERLY PREPARED TO RECEIVE FINISH MATERIALS. SUBCONTRACTOR IS NOT TO APPLY FINISHES UNTIL SUBSTRATE IS PREPARED PER MANUFACTURER'S WRITTEN INSTRUCTION FOR INSTALLATION OR APPLICATIONS.
5. THE CONTRACTOR IS RESPONSIBLE FOR SUBMITTING SAMPLES OF ALL FINISHES SPECIFIED TO THE ARCHITECT/DESIGNER FOR APPROVAL PRIOR TO ORDERING MATERIAL.
6. CONTRACTOR TO CHALK THE FLOOR PATTERNS ONTO THE SLAB FOR DESIGNER/ARCHITECTS' APPROVAL PRIOR TO CUTTING MATERIAL.
7. SCRIBE ALL FLOORING MATERIALS AROUND OBSTRUCTIONS. EXTEND TILES NEATLY TO AND AROUND ALL CORNERS. BROKEN OR CHIPPED TILE (VINYL, CERAMIC, OR OTHER) FLOORING WILL NOT BE ACCEPTED.
8. CONTRACTOR SHALL VERIFY LEAD TIMES FOR ALL FINISH MATERIALS AND SHALL BE RESPONSIBLE TO HAVE ALL MATERIALS ON THE JOB SITE ON TIME. NO SUBSTITUTIONS SHALL BE MADE DUE TO LATE ORDERING OF PRODUCTS.
9. SEE ARCHITECT'S ELEVATIONS FOR CASEWORK DETAILS
10. SEE ARCHITECT'S RCP FOR CEILING FINISH LOCATIONS INCLUDING WC-1 LOCATIONS.
11. ALL PAINT FINISHES TO BE VERIFIED WITH CLIENT.
12. GENERAL WALL PAINT TO BE P-1 U.N.O.
13. ALL GYPSUM BOARD SURFACES, WALLS AND CEILINGS, TO BE FINISHED SMOOTH.
14. SEE DOOR SCHEDULE FOR DOOR TYPES.
15. WHERE DOOR VISION PANELS OCCUR, PAINT SHOULD MATCH DOOR FRAME COLOR.
16. FIRE EXTINGUISHER DOOR/CABINET TO BE BRUSHED ALUM.
17. ELECTRICAL PANELS, ACCESS PANELS, CONTROLLER BOXES AND EXPANSION JOINTS TO BE FACTORY PAINTED TO MATCH THE ADJACENT WALL COLOR. PANELS PAINTED BY BRUSH ARE NOT ACCEPTABLE AND WILL NOT BE ACCEPTED.
18. THERMOSTATS TO BE PLACED NEAR A CORNER OF THE ROOM OR BY LIGHT SWITCHES. DO NOT INSTALL IN THE CENTER OF A WALL.
19. CONTRACTOR TO PROVIDE SEAMING DIAGRAMS OF ALL CARPETING AND SHEET FLOORING FOR DESIGNER'S REVIEW.
20. IF THERE IS CONFLICTING INFORMATION ON DOCUMENTS, CONTACT ARCHITECT AND/OR INTERIOR DESIGNER FOR CLARIFICATION.
21. CARPET TO BE GLUE DOWN TYPE OF INSTALLATION FOLLOW MANUFACTURES INSTALLATION INSTRUCTIONS
22. NO SUBSTITUTIONS OF ANY FINISHES WILL BE ACCEPTED
23. ALL DOORS TO BE P-1 U.N.O

GREEN BUILDING REQUIREMENTS

GREEN BUILDING CARPET REQUIREMENTS

1) ALL CARPET SYSTEMS SHALL BE MANUFACTURED AND INSTALLED TO MEET THE CARPET AND RUG INSTITUTE'S GREEN LABEL PLUS PROGRAM (2010 CALIFORNIA GREEN BUILDING STANDARDS CODE SECTION 5.504.4.4) CERTIFICATION FOR ALL CARPETS SPECIFIED SHALL BE PROVIDED BY DESIGNER. A COPY OF THIS CERTIFICATION SHALL BE AT THE JOB SITE FOR VERIFICATION UPON REQUEST.

2) VERIFICATION OF COMPLIANCE SHALL BE PROVIDED AT THE REQUEST OF THE ENFORCING AGENCY. DOCUMENTATION MAY INCLUDE, BUT IS NOT LIMITED TO:

2A) MANUFACTURERS PRODUCT SPECIFICATIONS
2B) FIELD VERIFICATION OF ON SITE PRODUCT CONTAINERS

(CALIFORNIA GREEN BUILDING STANDARDS CODE SECTION 5.504.4.3.2)

3) ALL CARPET TO BE INSTALLED USING ADHESIVE MEETING THE REQUIREMENTS OF THE CALIFORNIA GREEN BUILDING STANDARDS CODE TABLE 5.504.4.5 FOR ALLOWABLE GRAMS PER LITER V.O.C EMISSIONS

GREEN BUILDING RESILIENT FLOORING REQUIREMENTS

1) ALL RESILIENT FLOORING ADHESIVE TO COMPLY WITH THE REQUIREMENTS OF CALIFORNIA GREEN BUILDING STANDARDS CODE TABLE 5.504.4.5 FOR GRAMS PER LITER ALLOWABLE V.O.C EMISSIONS

2) ALL RESILIENT FLOORING SYSTEMS SHALL BE MANUFACTURED AND INSTALLED TO MEET THE REQUIREMENTS OF 2010 CALIFORNIA GREEN BUILDING STANDARDS CODE SECTION 5.504.4.6

3) CERTIFICATION HAS BEEN PROVIDED FOR RESUBMIT TO THE CITY THAT ALL ABOVE SPECIFIED RESILIENT FLOORING MATERIALS MEET THE REQUIREMENTS OF THE RESILIENT FLOOR COVERING INSTITUTE (RFCI) FLOOR SCORE PROGRAM. A COPY OF THIS CERTIFICATION SHALL BE AT THE JOB SITE FOR VERIFICATION UPON REQUEST.

4) VERIFICATION OF COMPLIANCE SHALL BE PROVIDED AT THE REQUEST OF THE ENFORCING AGENCY. DOCUMENTATION MAY INCLUDE, BUT IS NOT LIMITED TO:

4A) MANUFACTURERS PRODUCT SPECIFICATIONS
4B) FIELD VERIFICATION OF ON SITE PRODUCT CONTAINERS

(CALIFORNIA GREEN BUILDING STANDARDS CODE SECTION 5.504.4.3.2)

ADHESIVES AND SEALANTS

1) ALL BUILDING ADHESIVE TO COMPLY WITH THE REQUIREMENTS OF CALIFORNIA GREEN BUILDING STANDARDS CODE TABLE 5.504.4.5 FOR GRAMS PER LITER ALLOWABLE V.O.C EMISSIONS

2) ALL BUILDING SEALANTS TO COMPLY WITH THE REQUIREMENTS OF CALIFORNIA GREEN BUILDING STANDARDS CODE TABLE 5.504.4.2 FOR GRAMS PER LITER ALLOWABLE V.O.C EMISSIONS

SYMBOL LEGEND

ROOM FINISH
(CPT-1) — FINISH CODE PER FINISH LEGEND
FINISHES CODES DEFINED IN THE FINISH LEGEND, FINISHES SHALL BE TYPICAL OF SURFACES UNLESS OTHERWISE NOTED WITH AN ACCENT WALL FINISH, CHANGE IN BASE OR FLOOR PATTERN SHOWN ON THE PLAN

ACCENT WALL TRANSITION
WALL FINISH — PT-F — AREA OF ACCENT FINISH
ACCENT WALL FINISH, OR CHANGE IN WALL BASE MATERIAL, MATERIAL/FINISH CHANGE OCCURS ON THE WALL SURFACE BETWEEN THE ARROWS

FLOORING TRANSITION
SV — FINISH MATERIAL; LINE OF TRANSITION; CPT — FINISH MATERIAL
TRANSITION BETWEEN DIFFERING TYPES OF MATERIAL
NOTE: REFER TO FINISH TRANSITION DETAILS FOR HOW TO INSTALL TRANSITIONS

DETAIL REFERENCE
1 / ID-5 — DETAIL NUMBER; SHEET NUMBER

SECTION
X / XX — SECTION. NUMBER; SHEET NUMBER

ELEVATION REFERENCE
XX / X — ELEV. NUMBER; SHEET NUMBER

KEYNOTE
3 — KEY NOTE NUMBER

A; D X / XX B; C — ELEV. LETTER; ELEV. NUMBER; SHEET NUMBER

ALIGN DIMENSION
ALIGN

FLOORING DIRECTION
PLANK DIRECTION
FLOORING GRAIN / PATTERNING INSTALLATION DIRECTION

GENERAL NOTES

THE FOLLOWING GENERAL NOTES ARE ADDITIONAL QUALITY REQUIREMENTS TO THE ARCHITECTS SPECIFICATIONS CONTAINED IN THEIR PROJECT MANUAL. IF A CONFLICT ARISES BETWEEN THE PROJECT MANUAL AND THESE NOTES CONTRACTOR SHALL BE REQUIRED TO MEET THE MOST RESTRICTIVE REQUIREMENTS OR CONTACT BOTH THE ARCHITECT AND THE DESIGN FIRM FOR CLARIFICATION.

SUBMITTALS
1. CONTRACTOR SHALL, PRIOR TO CONSTRUCTION, SUBMIT SIX (6) COPIES OF THE MANUFACTURES SPECIFICATIONS AND INSTALLATION INSTRUCTIONS
2. SUBMIT ALL PAINT DRAW DOWNS TO DESIGNER FOR APPROVAL INCLUDING DRAW DOWNS OF ALL PAINT COLORS IN ALL FINISH TYPES AS SPECIFIED.
3. SHOP DRAWINGS SHALL BE SUBMITTED FOR ALL CASEWORK AND MILL WORK

DEMOLITION AND FLOOR PREP
1. DEMOLITION: CONTRACTOR SHALL REMOVE AND DISPOSE OF THE EXISTING FINISH MATERIAL IN AREAS SHOWN TO RECEIVE NEW FINISHES. ALL REMAINING ADHESIVES SHALL BE REMOVED MECHANICALLY. THE USE OF SOLVENTS TO REMOVE ADHESIVE IS PROHIBITED.
3. PATCH & REPAIR EXISTING SUB FLOOR AS NEEDED TO PROVIDE A SMOOTH SURFACE FOR FLOORING PER MANUFACTURER'S INSTALLATION INSTRUCTIONS. PROVIDE SELF-LEVELING UNDERLAYMENT CONCRETE
4. FLOORING PREPARATION SHALL BE PERFORMED AS REQUIRED BY THE MANUFACTURER'S OF THE FLOOR FINISH IN A MANNER SUCH THAT THE MANUFACTURER'S PRODUCT WARRANT WILL REMAIN IN EFFECT. IF FIELD CONDITIONS REQUIRE VARIATIONS FROM MANUFACTURES REQUIREMENTS THE CONTRACTOR SHALL NOTIFY THE FACILITIES CONSTRUCTION MANAGER IN WRITING TO RECEIVE INSTRUCTIONS ON HOW TO PROCEED.
5. DOOR SWING: CONTRACTOR SHALL INSTALL NEW FLOORING SUCH THAT IT DOES NOT INTERFERE WITH EXISTING DOORS AND SUCH THAT EXISTING DOORS DO NOT TOUCH THE SURFACE OF NEW FLOORING. ANY PROBLEMATIC DOORS SHALL BE BROUGHT TO THE ATTENTION OF THE FACILITIES CONSTRUCTION REPRESENTATIVE PRIOR TO FLOORING INSTALLATION.
6. IT IS THE CONTRACTOR'S RESPONSIBILITY TO FIELD TEST THE MOISTURE LEVEL OF ALL ON GRADE AND BELOW GRADE INSTALLATIONS TO ENSURE THAT THE MEASUREMENTS DO NOT EXCEED THE MAXIMUM LEVEL PERMITTED BY THE MANUFACTURER PRIOR TO ORDERING THE MATERIAL. PERFORM CALCIUM CHLORIDE TEST OR MOISTURE METER TEST FOR ALL SLAB SUB-FLOORS WHERE SLAB IS NEW, OR ALL LOCATIONS OF EXISTING SLAB ON OR BELOW GRADE. WHERE EXISTING SLAB IS ABOVE GRADE CONTRACTOR MAY LIMIT TESTING TO AREAS NEAR A SOURCE OF WATER SUCH AS AROUND PLUMBING LINES, SHOWER STALLS, ROOF DRAINS ETC. WHERE THE MOISTURE IN THE SLAB EXCEEDS FINISH MATERIAL'S MANUFACTURER'S RECOMMENDATIONS REFER TO NOTES ABOVE FOR MANUFACTURES WARRANTY REQUIREMENTS.

FLOORING FINISH TRANSITIONS
1. ALL FLOORING TRANSITIONS (TRANSITIONING BETWEEN DIFFERING GAUGE MATERIAL) AND SEAMS BETWEEN LIKE MATERIALS SHALL PROVIDE A SMOOTH AND LEVEL FINISH FLOOR. RAISE THINNER FLOORING WHERE REQUIRED AS DETAILED IN THE FINISH TRANSITION DETAILS. WHERE THRESHOLDS DO OCCUR PROVIDE A 2 TO 1 CHAMFER WITH MAXIMUM HEIGHT ON THE THRESHOLD NOT TO EXCEED 1/2"
2. CONTRACTOR TO PROVIDE TRANSITIONS BETWEEN FLOORING MATERIALS PER DETAILS ON THE FINISH DETAIL SHEETS. ALL TRANSITIONS LOCATED UNDER DOORS, TO BE CENTERED UNDER DOOR.
3. CONTINUE ALL FLOOR FINISHES UNDER ALL APPLIANCES REMOVABLE CABINETS, FURNITURE AND EQUIPMENT.

RESILIENT FLOORING
1. ALL RESILIENT FLOORING INSTALLATIONS SHALL BE COMPLETED TO THE POINT READY FOR THE FIRST DAY OF USE AND IN AS NEW CONDITION, CLEAN CONSTRUCTION DUST, DAMP MOP AND APPLY A SEALER OR WAXED PER MANUFACTURES RECOMMENDATIONS FOR THE PRODUCT. FLOORING CONTRACTOR TO PROVIDE THE PRODUCT SPECIFICATION AND A RECOMMENDED REAPPLICATION TIME FOR THE SEALER OR WAX TO THE FACILITIES MAINTENANCE OFFICE.
2. ALL SHEET GOODS OF RESILIENT FLOORING SHALL BE INSTALLED USING HEAT WELD SEAMS. WELDING RODS SHALL MATCH THE COLOR OF THE FLOORING MATERIAL UNLESS OTHERWISE NOTED ON THE FINISH PLAN OR LEGEND. OR TO UTILIZE THE DARKER SHADE OF THE TWO.
3. PROTECT FLOOR FROM ON-GOING CONSTRUCTION.
4. DO NOT WET WASH, MACHINE SCRUB OR STRIP THE FLOOR FOR AT LEAST FOUR DAYS AFTER INSTALLATION TO PREVENT EXCESS MOISTURE FROM INTERFERING WITH THE ADHESIVE BOND AND SEAM TREATMENTS.

CASEWORK AND MILLWORK
1. ALL CASEWORK AND MILL WORK TO CONFORM TO THE REQUIREMENTS OF THE LATEST EDITION OF W.I. FOR CUSTOM GRADE.
2. WOOD SAMPLES PROVIDED TO THE CONTRACTOR ARE FOR COLOR ONLY. CONTRACTOR TO SUBMIT SAMPLES FOR APPROVAL OF ALL WOOD FINISHES, AND VERIFY SHEEN OF FINISH FOR ALL LOCATIONS OF STAINED WOOD FINISH. SUBMITTALS SHALL INCLUDE INFORMATION ON THE SPECIES OF WOOD USED, THE VENEER MATCHING PROPOSED, AND THE CLEAR FINISH PROPOSED OVER THE STAIN.
3. THE MILLWORK SUBCONTRACTOR SHALL BE RESPONSIBLE FOR FIELD VERIFYING ALL FINISHED ROOM DIMENSION PRIOR TO MILLWORK CONSTRUCTION AND INSTALLATION.
4. PROVIDE SOLID SURFACE COUNTERTOPS WITH INTEGRAL SOLID SURFACE SINKS IN ALL RESTROOMS

PORCELAIN TILE AND STONE
3. ALL TILE TO BE INSTALLED PER THE LATEST EDITION OF THE TILE COUNCIL OF AMERICA'S LATEST TILE INSTALLATION EDITION; THIS INCLUDES THAT ANY TILE WITH A DIMENSION OF 18" OR GREATER STAGGERED NO MORE THAN 1/3 OF THE DIMENSION, RATHER THAN ½, REGARDLESS OF THE DRAWING DEPICTION.
4. PER CONTRACTOR, ALL TILE TO BE THIN SET.
5. GROUT HAZE SHALL BE PROPERLY REMOVED FROM THE SURFACE OF PORCELAIN TILE.
6. ALL FLOORING TILE INSTALLATIONS TO INCLUDE A CLEAVAGE MEMBRANE SEPARATING TILE INSTALLATION FROM CONCRETE SLAB.
7. TOP ANY NON-RADIUS TILE COVE BASE WITH SCHLUTER RONDEC.

PAINT AND WALL FINISHES

NOTES:
1. SHEEN TO BE AS FOLLOWS:
– ALL CEILINGS TO BE FLAT, U.N.O.
– ALL PUBLIC AREA WALLS TO BE EGGSHELL, LEVEL 4
– ALL PAINTED INTERIOR DOORS, FRAMES, WINDOW FRAMES TO BE SEMI-GLOSS
– ALL TOILET ROOMS TO HAVE SEMI-GLOSS
2. PAINT ALL ACCESS PANELS TO MATCH ADJ. WALL SURFACE.
3. PAINT CONTRACTOR TO DO TOUCH-UP WORK AFTER ALL TRADES.
4. ALL WALL COATINGS TO COMPLY WITH THE REQUIREMENTS OF CALIFORNIA GREEN BUILDING STANDARDS CODE SECTION AND TABLE 5.504.4.3 FOR GRAMS PER LITER ALLOWABLE V.O.C EMISSIONS:
1A) GRAMS PER LITER FOR FLAT SHEEN PAINT SHALL NOT EXCEED 50
1B) GRAMS PER LITER FOR NONFLAT SHEEN PAINT SHALL NOT EXCEED 100
1C) GRAMS PER LITER FOR PRIMERS SHALL NOT EXCEED 100

CODE REQUIREMENTS
1. FLAME SPREAD OF FINISH MATERIALS: "WALL, FLOOR AND CEILING SHALL NOT EXCEED THE FLAME SPREAD CLASSIFICATIONS IN CBC TABLE 803.5". OR MOST CURRENT CODE

CEILINGS
1. ARCHITECT TO VERIFY CORRECT CEILING AND COMPLIANCE FOR USE OF APC IN SPECIFIC AREAS.
2. WHERE APPLICABLE, BORDER TILES TO BE ORDERED FOR THAT USE ONLY.
3. TEGULAR TILES TO BE CUT TO ALLOW FOR CORRECT INSTALLATION. ALL CUT EDGES SHALL BE PAINTED TO MATCH TILE.

WINDOW COVERING
1. MOST EXTERIOR WINDOWS ARE A VARIETY OF SHAPE AND SIZES – WALL MOUNTED BOX ABOVE, AS FEASIBLE BY MECHOSHADES
2. POCKETS AND END CAPS TO PAINTED TO MATCH ADJACENT WALL COLOR AT FACTORY.
3. SHADE TO COVER EXPOSED WINDOW FRAME SIDES AND BOTTOM WHEN CLOSED.
4. MOTORIZED WINDOW COVERINGS TO BE CONTROLLED FROM A REMOTE LOCATION. REFER TO ELECTRICAL DRAWINGS FOR LOCATION OF SWITCHES AND JUNCTION BOXES.

BID SET
NOT FOR CONSTRUCTION
08/30/2018

BRANDT
DESIGN GROUP
PLANNING INTERIORS
2494 SAN CLEMENTE AVENUE VISTA CA 92084
760/749-1500 BRANDTDESIGNGROUP.COM

NO	DATE	REVISION

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LICENSED ARCHITECT — REGISTERED PROFESSIONAL — C-18627 — 06/30/19 — STATE OF CALIFORNIA

DRAWN	CHECKED
AL	MB
PROJECT NO.	
1516	
DATE	
08.24.18	

SCHEDULE B
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SHEET NAME
FINISH LEGEND/GENERAL NOTES

PLASTIC OR METAL LAMINATE – SECTION 06 41 16 INTERIOR ARCHITECTURAL WOODWORK

PL-1
MANUFACTURER: NOT USED
COLOR:
FINISH:
LOCATION:

PL-2
MANUFACTURER: FORMICA
COLOR: DECOMETAL COLLECTION
FINISH: MIRROR ALUMINUM 2021
LOCATION: RECEPTION DESK 126 ONLY REFER TO DRAWINGS/DETAILS

PL-3
MANUFACTURER: FORMICA
COLOR: PECAN WOODLINE 5883-58
FINISH: MATTE
LOCATION: REFER TO DRAWINGS/DETAILS

WOOD VENEER – SECTION 06 42 16 INTERIOR ARCHITECTURAL WOODWORK

WV-1
MANUFACTURER: ALPIKORD GROOVE ENGINEERED WOOD
PRODUCT: 50-73 WALNUT QTR
DISTRIBUTOR: CPS GARTEN 800-367-8505
LOCATION: FRONT FACE OF MTG RM 131 DAIS, LOBBY RECEPTION DESK, TYPICAL DOORS THROUGHOUT

SOLID SURFACE MATERIAL – SECTION 06 61 16 INTERIOR ARCHITECTURAL WOODWORK AND SECTION 06615 SIMULATED STONE COUNTERTOPS

SS-1
MANUFACTURER: WILSONART
COLOR: JOVIAN 9211CM
THICKNESS: ½" FINISH: MATTE
LOCATION: TOILET ROOM, STAFF LOUNGE COUNTER TOPS

COUNTER TOP STONE MATERIAL- SECTION 06 61 19 STONE COUNTERTOPS

CTS-1
MANUFACTURER: DUPONT ZODIAQ QUARTZ SURFACES
COLOR: ASTRAL PEARL
THICKNESS: 3/4"
FINISH: SATIN
EDGE: 2" SQUARE EDGE TYPICAL ALL LOCATIONS
ORDER INFO: 877-229-3935
EDGE PROFILE/THICKNESS: 2" SQUARE EDGE – REFER TO DETAIL SHT ID4.1
LOCATION: MAIN LOBBY RECEP - TOP CAP/LOWER COUNTER WORK SURFACE, TOP CAP AND LOWER WORK SURFACE AT MTG ROOM 131

DOOR FINISH – SECTION 08 14 00 INTERIOR DOORS

D-1
MANUFACTURER: TBD
TYPE: RATING/TYPE/SIZE DETERMINED BY ARCHITECT
MATERIAL: ENGINEERED WOOD
COLOR: WV-1
FACE/EDGE FINISH: WV-1
KICK PLATE: BRUSHED ALUMINUM
LOCATION: ALL DOORS

ACOUSTICAL PANEL CEILINGS – SECTION 09 50 00 ACOUSTICAL PANEL CEILINGS

ACOUSTICAL PANEL CEILINGS – SECTION 09 50 00 ACOUSTICAL PANEL CEILINGS

APC-1
MANUFACTURER: ARMSTRONG
STYLE: CIRRUS #558
MATERIAL: MINERAL FIBER, WET-FORMED
SURFACE FINISH: FACTORY APPLIED LATEX PAINT
COLOR: WHITE
LIGHT REFLECTANCE: 0.85
SIZE: 24" X 24" x 7/8
EDGE DETAIL: 9/16 BEVELED TEGULAR
SUSPENSION SYSTEM: 9/16" SILHOUETTE ¼" REVEAL
GRID COLOR: WHITE
NRC: 0.75
SURFACE BURNING CHARACTERISTICS: CLASS A
LOCATION: ALL AREAS EXCEPT FOR UPGRADED LOBBY, MTG RM 131 AND INDICATED CIRCULATION CORRIDORS
CONTACT: DAI-NEE TAN, 760-431-2653

WOOD CEILINGS – SECTION 09 50 00 WOOD PANEL CEILINGS

WC-1
MANUFACTURER: ARMSTRONG
STYLE: WOODWORKS GRILLE TEGULAR WITH HORIZONTAL SLATS 662808GLC
MATERIAL: WOODWORKS
SURFACE FINISH: WOODWORKS
COLOR: LIGHT CHERRY
SIZE: 24"X24"
EDGE DETAIL: PERPENDICULAR
INFILL: 5823 BIOACOUSTIC INFILL BLACK
SUSPENSION SYSTEM: 15/16" SUPRAFINE XL HEAVY DUTY GRID 7501 BLACK SERIES
GRID COLOR: BLACK
SURFACE BURNING CHARACTERISTICS: CLASS A
INSULATION VALUE: 2.20 (BTU UNITS), 0.39 (WATTS UNITS)
LOCATION: CIRULATION CORRIDORS ADJACENT TO CENTRAL ATRIUM, CIRCULATION CORRIDOR BETWEEN MAIN LOBBY AND MTG RM 131 – REFER TO ARCHITECTS DRAWINGS/RCP FOR ALL LOCATIONS
CONTACT: DAI-NEE TAN, 760-431-2653

WC-2
MANUFACTURER: RULON
STYLE: CURVATONE AL-900 SYSTEM
MATERIAL: WHITE MAPLE PS/PM
SURFACE FINISH: CLEAR SATIN FINISH
SIZE: REFER TO ARCHITECT DETAILS/DRAWINGS
EDGE DETAIL: SQUARE
SURFACE BURNING CHARACTERISTICS: CLASS A FIRE RATED
LOCATION: MAIN LOBBY, MTG RM 131 – REFER TO ARCHITECTS DRAWINGS/RCP
CONTACT: PATRICK MOONEY, RULON INTERNATIONAL 714-614-2722
http://rulonco.com/product-curvatone.php

PORCELAIN TILE – SECTION 09 60 00 CERAMIC TILE

PT-1
MANUFACTURER: ERGON
PRODUCT: CORNERSTONE
COLOR: SLATE MULTICOLOR 984F2R
SIZE: 23 5/8" X 47 1/4"
THICKNESS: 10 MM
GROUT WIDTH: 2 MM JOINT – REFER TO MANUFACTURER
GROUT: LATICRETE SPECTRALOCK PRO, COLOR: 35 MOCHA
LOCATION: MAIN LOBBY/PUBLIC CIRCULATION AREA AND PARTIAL SINGLE COMPARTMENT PUBLIC TOILETS – REFER TO FLOOR PLANS FOR DETAILS
CONTACT: BEN FRIESEN, 619-518-3011

PT-2
MANUFACTURER: ERGON
PRODUCT: CORNERSTONE
COLOR: SLATE MULTICOLOR I304F2R
SIZE: 11 13/16" X 11 13/16" (MADE UP OF 1 1/8" X 1 1/8" SIZE)
THICKNESS: 10 MM
GROUT WIDTH: 2 MM JOINT – REFER TO MANUFACTURER
GROUT: LATICRETE SPECTRALOCK PRO, COLOR: 35 MOCHA
LOCATION: SINGLE COMPARMENT PUBLIC TOILETS PARTIAL FLOOR – REFER TO FLOOR PLANS FOR DETAILS
CONTACT: BEN FRIESEN, 619-518-3011

PT-3
MANUFACTURER: ARIZONA TILE
PRODUCT: ERAMOSA
COLOR: SAND M
SIZE: 12 X 24
THICKNESS: 3/8"
GROUT WIDTH: REFER TO MANUFACTURER REQUIREMENTS
GROUT: LATICRETE SPECTRALOCK PRO, COLOR: FLOOR: 35 MOCHA, WALLS: 40 LATTE
LOCATION: WOMEN'S MULTI-COMPARTMENT PUBLIC TOILETS – REFER TO ELEVATIONS AND FLOOR PLAN FOR DETAILS
CONTACT: BOB SHUFORD 619-838-5940

PT-4
MANUFACTURER: DAL TILE
PRODUCT: FABRIQUE
COLOR: P690 GRIS LINEN
SIZE: 12 X 24
THICKNESS: 3/8"
GROUT WIDTH: REFER TO MANUFACTURER REQUIREMENTS
GROUT: LATICRETE SPECTRALOCK PRO, COLOR: FLOOR: 35 MOCHA, WALLS: 24 NATURAL GRAY
LOCATION: MEN'S MULTI-COMPARTMENT PUBLIC TOILETS – REFER TO ELEVATIONS AND FLOOR PLANS FOR DETAILS
CONTACT: WILLOW DECKER 619-228-4200

PT-5
MANUFACTURER: ARIZONA TILE
PRODUCT: CEMENTO CASSERO
COLOR: BEIGE
SIZE: 12 X 24
THICKNESS: 9.4MM
GROUT WIDTH: BUTT JOINT
GROUT: LATICRETE SPECTRALOCK PRO, COLOR: FLOOR: 27 HEMP, WALLS: 40 LATTE
LOCATION: SINGLE COMPARTMENT TOILET ROOM WALLS, WOMEN'S MULTI-COMPARTMENT FLOORING AND WALL ACCENT – REFER TO ELEVATIONS

PT-6
MANUFACTURER: ERGON
PRODUCT: CORNERSTONE
COLOR: SLATE MULTICOLOR 534F2R
SIZE: 6" X 48" PLANKS
THICKNESS: 10 MM
GROUT WIDTH: 2 MM JOINT – REFER TO MANUFACTURER
GROUT: LATICRETE SPECTRALOCK PRO, COLOR: COLOR: 35 MOCHA
LOCATION: SINGLE COMPARTMENT PUBLIC TOILETS – FLOOR ACCENT – REFER TO ELEVATIONS FOR DETAILS
CONTACT: BEN FRIESEN, 619-518-3011

PT-7
MANUFACTURER: ARIZONA TILE
PRODUCT: ERAMOSA
COLOR: SAND M
SIZE: BASKETWEAVE 2" X 2" EACH
THICKNESS: 8.9MM
GROUT WIDTH: REFER TO MANUFACTURER REQUIREMENTS
GROUT: LATICRETE SPECTRALOCK PRO, COLOR: FLOOR: 35 MOCHA, WALLS: 40 LATTE
LOCATION: WOMEN'S MULTI-COMPARTMENT PUBLIC TOILETS – REFER TO ELEVATIONS
CONTACT: BOB SHUFORD 619-838-5940

PT-8
MANUFACTURER: ARIZONA TILE
PRODUCT: ERAMOSA
COLOR: SAND M
SIZE: 6" X 36"
THICKNESS: 10 MM
INSTALLATION: INSTALLED AT 33% OFFSET – REFER TO PLANS
GROUT WIDTH: REFER TO MANUFACTURER REQUIREMENTS
GROUT: LATICRETE SPECTRALOCK PRO, COLOR: FLOOR: 35 MOCHA, WALLS: 40 LATTE
LOCATION: WOMEN'S MULTI-COMPARTMENT PUBLIC TOILETS – REFER TO ELEVATIONS
CONTACT: BOB SHUFORD 619-838-5940

PT-9
MANUFACTURER: DAL TILE
PRODUCT: FABRIQUE
COLOR: P690 GRIS LINEN
SIZE: 2 X 24
THICKNESS: 3/8"
GROUT WIDTH: REFER TO MANUFACTURER REQUIREMENTS
GROUT: LATICRETE SPECTRALOCK PRO, COLOR: FLOOR: 35 MOCHA, WALLS: 24 NATURAL GRAY
LOCATION: MEN'S MULTI-COMPARTMENT PUBLIC TOILETS – REFER TO ELEVATIONS FOR DETAILS
CONTACT: WILLOW DECKER 619-228-4200

PT-10
MANUFACTURER: DAL TILE
PRODUCT: FABRIQUE
COLOR: P690 GRIS LINEN
SIZE: 2 X 2 MOSAIC
THICKNESS: 3/8"
GROUT WIDTH: REFER TO MANUFACTURER REQUIREMENTS
GROUT: LATICRETE SPECTRALOCK PRO, COLOR: FLOOR: 35 MOCHA, WALLS: 24 NATURAL GRAY
LOCATION: MEN'S MULTI-COMPARTMENT PUBLIC TOILETS – REFER TO ELEVATIONS AND FLOOR PLANS FOR DETAILS
CONTACT: WILLOW DECKER 619-228-4200

PT-11
MANUFACTURER: ARIZONA TILE
PRODUCT: CEMENTO CASSERO
COLOR: GRIGIO
SIZE: 12 X 24
THICKNESS: 9.4MM
GROUT WIDTH: BUTT JOINT
GROUT: LATICRETE SPECTRALOCK PRO, COLOR: FLOOR: 27 HEMP, WALLS: 40 LATTE
LOCATION: MEN'S MULTI-COMPARTMENT FLOORING AND WALL ACCENT – REFER TO ELEVATIONS
CONTACT: BOB SHUFORD 619-838-5940

ROCK WALL TILE

RWT-1
DISTRIBUTOR: PEBBLE TILE SHOP
PRODUCT/COLOR: POLISHED COBBLESTONE STANDING PEBBLE TILE
SHEET DIMENSIONS: 4" X 12"
THICKNESS: APPROX. 1"
FINISH: POLISHED NATURAL MIXED
SHEET BACKING: MESH
PEBBLE SIZE: APPROX. ¾ TO 2 ½"
GROUT WIDTH: INTERLOCKING – NO SEAMS
GROUT COLOR: LATICRETE SPECTRALOCK PRO, COLOR: 24 NATURAL GRAY
LOCATION: ACCENT – ENTRY VESTIBULE, CORRIDOR, BASE 126, 128 – REFER TO ELEVATIONS FOR LOCATION/DETAILS
CONTACT: 888-870-9591

GLASS WALL TILE

GWT-1
MANUFACTURER: ARIZONA TILE
PRODUCT/COLOR: SHIMMER TEAL
SIZE: 1" X 4" TILE WITHIN A SHEET THICKNESS: 3/32"
INSTALLATION: WHITE LATEX MODIFIED THIN SET
GROUT: LATICRETE SPECTRALOCK PRO, COLOR: 24 NATURAL GRAY
LOCATION: REFER TO ELEVATIONS FOR DETAILS
CONTACT: BOB SHUFORD 619-838-5940

DECORATIVE GLASS

DG-1
MANUFACTURER: MELTDOWN GLASS
PRODUCT/COLOR: BUBBLE GLASS COLOR: TBD
SIZE: REFER TO ELEVATIONS AND DETAILS
THICKNESS: REFER TO DETAILS
INSTALLATION: REFER TO DETAILS
LOCATION: MTG RM 131 AND RECEPTION 126 – FRONT FACE OF DESK – REFER TO ELEVATIONS AND DETAILS
CONTACT: JON MARTIN 858-740-9269

DG-2
MANUFACTURER: MELTDOWN GLASS
PRODUCT/COLOR: BUBBLE GLASS COLOR: TBD
SIZE: REFER TO ELEVATIONS AND DETAILS
THICKNESS: REFER TO DETAILS
INSTALLATION: REFER TO DETAILS
LOCATION: RECEPTION 126 – LARGE SECTION, FRONT FACE OF DESK – REFER TO ELEVATIONS AND DETAILS
CONTACT: JON MARTIN 858-740-9269

BASE – SECTION 09 65 13 RESILIENT WALL BASE AND ACCESSORIES

B-1
4" HIGH BASE FABRICATED OF CARPET WITH RAW EDGE FINISHED W/METAL TRIM (TRIM: BRUSHED ALUMINUM). STAPLE AND GLUE BASE TO WALL.

B-2
MANUFACTURER: JOHNSONITE
TYPE: MILLWORK CONTOURED RUBBER BASE – REVEAL PROFILE
PATTERN: MM-XXX-F
COLOR: 45 SANDALWOOD
SIZE: 4.25" X ¼" X 8' LENGTHS/64 LINEAR FT. PER CARTON

B-3
6" SELF COVED RESILIENT FLOORING – PRODUCT/COLOR TO MATCH COLOR SPECIFIED IN ROOM, PROVIDE BLOCKING AT RADIUS, FINISH TOP WITH METAL TRIM (TRIM: BRUSHED ALUMINUM)

B-4
MANUFACTURER: BURKE
TYPE: RUBBER, TOPSET COVE BASE
COLOR: 45 SANDALEWOOD
HEIGHT AND GAUGE: 4", 1/8", CONTINOUS 100' ROLL LENGTHS

B-5
MANUFACTURER: CUSTOM WOOD BASE
SPECIES: MAPLE (CANADIAN HARDROCK)
SIZE: 6"H X ½" THICK
EDGING: SQUARE
NOTE: STAIN TO MATCH DESIGNER'S SAMPLE. FINISH WITH CLEAR COAT. SUBMIT SAMPLE TO INTERIOR DESIGNER FOR APPROVAL PRIOR TO FABRICATION.
LOCATION: MTG RM 131, COFFEE 134, MAIN LOBBY 127, RECEP 126

B-6
MANUFACTURER: SCHLUTER
FINISH/COLOR: STAINLESS STEEL
SIZE: REFER TO ELEVATIONS/DETAILS
PRODUCT: DILEX – VERIFY PER SITE CONDITIONS - COVE SHAPED PROFILE FOR WALL/FLOOR TILE TRANSITIONS
CONTACT: 800-472-4588

B-7
MANUFACTURER: SCHLUTER
FINISH/COLOR: STAINLESS STEEL
SIZE: REFER TO ELEVATIONS/DETAILS
PRODUCT: TRANSITIONS TYPICAL PER ELEVATION/DETAILS THROUGHOUT PROJECT – REFER TO DRAWINGS
CONTACT: 800-472-4588

SHEET VINYL – SECTION 09 65 16 RESILIENT SHEET FLOORING

SV-1
MANUFACTURER: MOHAWK GROUP
PRODUCT: SERENITY COLLECTION EPHEMERAL C2022
COLOR: 878 MOOD
THICKNESS: .080"
WIDTH: 6' AND 12' WIDE ROLL GOODS
SEAM TREATMENT: HEAT WELD
WELDING ROD COLOR: MATCH SHEET VINYL COLOR
INSTALLATION: PER MANUFACTURER'S INSTRUCTIONS
LOCATION: JANITOR CLOSET
CONTACT: SPENCER COX 858-276-9316

VINYL TILE – SECTION 09 65 19 RESILIENT VINYL TILE FLOORING

VT-1
MANUFACTURER: SHAW CONTRACT
PRODUCT: SOLITUDE
STYLE NO: 0648V
COLOR NAME: MINK
COLOR NO: 48720
SIZE: 6" X 48" PLANKS
MIL: 20 MIL WEAR SURFACE
INSTALLATION: PER MANUFACTURER'S INSTRUCTIONS
DISTRIBUTOR: DEB SMITH 949-939-3496
LOCATION: CIRCULATION CORRIDORS, PARTIAL STAFF LOUNGE – REFER TO DRAWINGS

VT-2
MANUFACTURER: SHAW CONTRACT
PRODUCT: JEOGORI
STYLE NO: 0215V
COLOR NAME: LINEN
COLOR NO: 90500
SIZE: 18" X 18"
MIL: 20 MIL WEAR SURFACE
INSTALLATION: PER MANUFACTURER'S INSTRUCTIONS
DISTRIBUTOR: DEB SMITH 949-939-3496
LOCATION: STAFF LOUNGE – REFER TO DRAWINGS

CARPET – SECTION 09 68 00

CPT-1
STYLE: MOHAWK SERENITY COLLECTION (MTG RM 131)
PRODUCT: SERENITY COLLECTION
STYLE NAME: WELLBEING GT325
COLOR: 579 HARMONY
CONTENT: DURACOLOR PREMIUM NYLON
CONSTRUCTION: TUFTED
GAUGE: 1/12
STITCHES PER INCH: 12.2
SIZE: 24" X 24"
INSTALLATION PATTERN: VERTICULAR ASHLAR
PILE HEIGHT: .088
BACKING CONSTR.: ECOFLEX NXT
FACE WT: 22 OZ/SQ. YARD
FLRNG RAD. PANEL: CLASS I
WARRANTY: LIFETIME LIMITED CARPET TILE WARRANTY, DURACOLOR STAIN WARRANTY, LIFETIME STATIC – REFER TO WARRANTY FOR DETAILS
NOTE: IT IS THE CONTRACTOR'S RESPONSIBILITY TO FIELD TEST THE MOISTURE LEVEL OF ALL ON GRADE OR BELOW GRADE INSTALLATIONS TO ENSURE THAT MEASUREMENTS DO NOT EXCEED THE MAXIMUM LEVEL PERMITTED BY THE MANUFACTURER PRIOR TO ORDERING MATERIAL
LOCATION: MTG RM 131
CONTACT: SPENCER COX 858-276-9316

CPT-2
STYLE: PATCRAFT (CORRIDORS/OFFICES)
PRODUCT: COLLECTION
STYLE NAME: CITY FLORA MODULAR
COLOR: 00101 REFRESH
CONTENT: ECO SOLUTION Q NYLON
CONSTRUCTION: MULTI-LEVEL PATTERN LOOP
GAUGE: 1/12
SIZE: 24" X 24"
INSTALLATION: MONOLITHIC
BACKING CONSTR.: ECOWORK TILE
FLRNG RAD. PANEL: CLASS I
WARRANTY: LIFETIME COMMERCIAL LIMITED – REFER TO WARRANTY FOR DETAILS
NOTE: IT IS THE CONTRACTOR'S RESPONSIBILITY TO FIELD TEST THE MOISTURE LEVEL OF ALL ON GRADE OR BELOW GRADE INSTALLATIONS TO ENSURE THAT MEASUREMENTS DO NOT EXCEED THE MAXIMUM LEVEL PERMITTED BY THE MANUFACTURER PRIOR TO ORDERING MATERIAL
LOCATION: CORRIDORS/OFFICES
CONTACT: JERRY CORDOVA 619-569-5846

CPT-3
STYLE: MOHAWK SERENITY COLLECTION (ADA ACCENT)
PRODUCT: SERENITY COLLECTION
STYLE NAME: EXOTIC FAUNA
COLOR: 721 ROUTE
CONTENT: DURACOLOR PREMIUM NYLON
CONSTRUCTION: TUFTED
GAUGE: 1/12
SIZE: 12' WIDE
PATTERN REPEAT: 18" W X 22.4" L
BACKING CONSTR.: UNIBOND PLUS
FACE WT: 26 OZ/SQ. YARD
FLRNG RAD. PANEL: CLASS I
WARRANTY: LIFETIME LIMITED CARPET TILE WARRANTY, DURACOLOR STAIN WARRANTY, LIFETIME STATIC – REFER TO WARRANTY FOR DETAILS

ACTIVITY ROOM (GYM FLOORING)

GF-1
MANUFACTURER: JOHNSONITE/TARKETT
PRODUCT: SLIDELOCK GLUELESS FLOORING SYSTEM
COLOR: TBD
TEXTURE: HAMMERED
GAUGE: 3/8"
SIZE: 24" X 24"
INSTALLATION: FREELAY WITH NO ADHESIVE
LOCATION: ACTIVITY ROOM
CONTACT: CARMELA LURIE 619-985-9319

INTERIOR STAIRS

S-1
MANUFACTURER: JOHNSONITE/TARKETT
PRODUCT: RUBBER STAIR TREAD WITH INTEGRATED RISER
COLOR: TBD
TREADS: HTR, HAMMERED TEXTURED SURFACE
STRINGERS: RUBBER RS-XX
BASE: RUBBER, TP COVE BASE, NO TOE, 1/8" THICK
ADA ACCENT: TOP, BOTTOM, LEVEL CHANGE TO HAVE VISUALLY IMPAIRED INSET WITH 2" WIDE SOLID COLOR INSETS THAT MEET CA TITLE 24 AND ADA REQUIREMENTS
TEXTURE: HAMMERED
SIZE: VERIFY WITH ARCHITECTURAL DRAWINGS AND SITE VISIT.
LANDINGS: CARPET CPT-2
INSTALLATION: GLUE DOWN
LOCATION: INTERIOR STAIR ADJACENT TO OFFICE 109
CONTACT: CARMELA LURIE 619-985-9319

FIBERGLASS REINFORCED PANELS – SECTION 09 76 00 SANITARY WALL PANELS

FRP-1
MANUFACTURER: MARLITE
PRODUCT: FIBERGLASS REINFORCED PANELS
CLASS: 1/A
FINISH: PEBBLE SURFACE
COLOR: WHITE
SIZE: 48" X 96", 108" OR 120" – SIZE TBD
LOCATION: JANITOR CLOSETS, TBD

DECO WALL PANELS – SECTION 09 77 00

DWP-1
MANUFACTURER: CPS GARTEN SCULPTURED PANELS
PRODUCT: HDF SCULPTURED PANELS, CPS 106
FINISH: PAINTED – DUNN EDWARDS DEW341 SWISS COFFEE
PANEL SIZE: 4 X 8
THICKNESS: ¾"
INSTALLATION: ADHESIVE PER MANUFACTURER'S SPECIFICATIONS
LOCATION: MTG RM 131 WALL BEHIND DAIS, ENTRY VESTIBLUE, LOBBY 127
CONTACT: 800-367-8505 JENNIFER ANDOE

TACK SURFACE FABRIC – SECTION 09 77 23 FABRIC WRAPPED PANEL

TS-1
MANUFACTURER: GUILFORD OF MAINE
STYLE: GROOVE 3497
COLOR: FROTH 3497-020
CONTENT: 100% RECYCLED POLYESTER
WIDTH: 66" USEABLE
DISTRIBUTOR: (800) 544-0200
LOCATION: TACK SURFACE AT LOBBY DESK 127/126, MTG RM 131 DESK AND ALL TYPICAL TACK BOARDS

PAINT – SECTION 09 91 23 INTERIOR PAINTING

P-1
MANUFACTURER: DUNN EDWARDS
COLOR: DEW341 SWISS COFFEE (FIELD COLOR)

P-2
MANUFACTURER: DUNN EDWARDS
COLOR: DE6199 PALE BEACH

P-3
MANUFACTURER: SHERWIN WILLIAMS
COLOR: SW6220 INTERESTING AQUA

P-4
MANUFACTURER: SHERWIN WILLIAMS
COLOR: SW9134 DELFT

P-5
MANUFACTURER: SHERWIN WILLAIMS
COLOR: 6221 MOODY BLUE

PAINT FINISH NOTES:
1. ALL CEILINGS TO BE FLAT, UNLESS NOTED OTHERWISE
2. ALL PUBLIC AREA WALLS TO BE EGGSHELL
3. ALL SERVICE AREA WALLS TO BE SEMI-GLOSS
4. ALL PAINTED INTERIOR DOORS, DOOR FRAMES, WINDOW FRAMES TO BE SEMI-GLOSS
5. ALL AREAS NOT INDICATED TO BE PAINTED P-1
6. DOOR FRAME (INTERIOR SIDE) TO BE P-1 UNLESS NOTED OTHERWISE.
7. WINDOW FRAMES (INCLUDING DOORS WITH WINDOWS) TO BE P-1 (INTERIOR SIDE) UNLESS NOTED OTHERWISE.

WALL PANELS – SECTION 10 26 00 IMPACT RESISTANT WALL PROTECTION

WP-1
MANUFACTURER: CONSTRUCTION SPECIALTIES 3000 PVC FREE SERIES
PRODUCT: ACROVYN 3000 .040 NON-PVC RIGID WALL COVERING
PATTERN/COLOR: PEBBLETTE COLOR: 103 BEIGE
SIZE: 48"
INSTALLATION: USE COLOR MATCHED SILICONE CAULK PER MANUFACTURERS SPECIFICATIONS. FINISH OUTSIDE EDGE WITH APPROPRIATE TRIM PIECE – VERTICAL AND HORIZONTAL TYPICAL
LOCATION: ACTIVITY ROOM 163 – ALL WALLS UP TO 54" HEIGHT

CHAIR RAIL – SECTION 10 26 00 IMPACT RESISTANT WALL PROTECTION

CR-1
MANUFACTURER: CONSTRUCTION SPECIALTIES ACROVYN OR EQUAL
PRODUCT: RENAISSANCE COLLECTION
STYLE: FRW – 225
WOOD: MAPLE, 008 NATURAL
COLOR: FSC CERTIFIED WOOD
SIZE: 2 ¼"
LOCATION: MTG RM 131 AND ALL CONFERENCE ROOMS – ALL WALLS

CORNER GUARD – SECTION 10 26 00 IMPACT RESISTANT WALL PROTECTION

CG-1
MANUFACTURER: CONSTRUCTION SPECIALTIES ACROVYN 3000 OR EQUAL
STYLE: SM-20AN PVC FREE
COLOR: 103 BEIGE
HEIGHT: TOP OF BASE TO 54" HEIGHT
LOCATION: ACTIVITY ROOM 163

WINDOW COVERINGS – SECTION 12 24 00 ROLLER SHADES

W-1
MANUFACTURER: MECHO SHADE SYSTEMS, INC. - ELECTRIC
MODEL: ELECTRO 3/STANDARD SHADE #20 - MECHO DRIVE END BRACKET SYSTEM WITH SIDE CHANNELS. PROVIDE #4133 POCKET AND 3" END CAPS WHERE REQUIRED.
FABRIC: 1550 ECOVEIL SERIES DENSE BASKET WEAVE, PVC FREE, 3% OPENESS, COLOR: 1567 STRAW
NOTES: 1. ECOVEIL IS 63" & 96" WIDE RAILROAD PRODUCT FOR WIDER WINDOWS.
2. POCKETS/SHADES MUST BE 4" WIDER THAN WINDOW FRAME.
LOCATION: MTG RM 131 WINDOWS, 127 LOBBY – HIGH AND LOW WINDOWS
CONTACT: CARLOS HERRARA (626)369-7777

W-2
MANUFACTURER: MECHO SHADE SYSTEMS, INC. - MANUAL
MODEL: MECHO 5/MANUAL ROLLER SHADE SYSTEM WITH #4133 POCKET AND 2" END CAPS WHERE REQUIRED.
FABRIC: 1550 ECOVEIL SERIES DENSE BASKET WEAVE, PVC FREE, 3% OPENNESS
FABRIC WIDTH: 63" & 96" WIDE
COLOR: 1567 STRAW
NOTES: 1. ECOVEIL IS 63 & 96" WIDE – RAILROAD PRODUCT FOR WIDER WINDOWS.
2. POCKETS/SHADES MUST BE 4" WIDER THAN THE WINDOW FRAMES.
LOCATION: ALL AREA/ROOMS EXCEPT FOR MTG RM 131 & LOBBY 127 AND CLERESTORY WINDOWS
CONTACT: CARLOS HERRARA (626) 369-7777

WINDOWCOVERING NOTES:
1. POCKETS AND END CAPS TO BE PAINTED TO MATCH ADJACENT WALL COLOR AT FACTORY.
2. SHADE TO COVER EXPOSED WINDOW FRAME SIDES AND BOTTOM WHEN CLOSED.
3. W-1 WINDOW COVERINGS ARE TO BE MOTORIZED AND CONTROLLED FROM A REMOTE LOCATION. REFER TO ELECTRICAL DRAWINGS FOR LOCATION OF SWITCHES AND JUNCTION BOXES.
4. ALL EXPOSED IQ CONTROLLER BOX COVER PLATES TO BE SPRAY PAINTED TO MATCH THE ADJACENT WALL COLOR. PANELS PAINTED BY BRUSH ARE NOT ACCEPTABLE AND WILL NOT BE ACCEPTED.

ENTRY MAT – SECTION 12 48 13 FLOOR MATS AND FRAMES

EM-1
MANUFACTURER: PEDIMAT FROM C/S PEDISYSTEMS
PRODUCT: PEDITRED WITH NON PVC HINGE
STYLE: G4-CP-M-RR-TNG RECESSED PEDITRED WITH TAPERED ANGLE FRAME
RAIL COLOR: CLEAR POWDER COAT
TREAD INSERT: RECYCLED RUBBER #718 BIT O'HUNNY - TBD
SIZE: PER DRAWINGS
DEPTH: ¾"
LOCATION: LOBBY, MEETING ROOM 131 ENTRY VESTIBULE, CUBICLES 102 ENTRY FROM OUTSIDE, BREAK ROOM 157 ENTRY FROM EXTERIOR PATIO AND ALL SIGNIFICANT ENTRY POINTS
CONTACT: FOSTER ENGINEERING 760-453-2668

1. ALL SINKS AT SOLID SURFACE COUNTERTOPS TO BE INTEGRAL SOLID SURFACE SINKS. INTEGRAL SINK COLOR: CORIAN COLOR BISQUE AT CORIAN (OR EQUAL) COUNTERTOP LOCATIONS.

NOTE: FINISHES SHOWN HERE ARE FOR SCHEDULE "A" AND SCHEDULE "B"
NOT ALL FINISHES SHALL BE USED ON BOTH SCHEDULES

BID SET
NOT FOR
CONSTRUCTION
08/30/2018

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PLANNING INTERIORS
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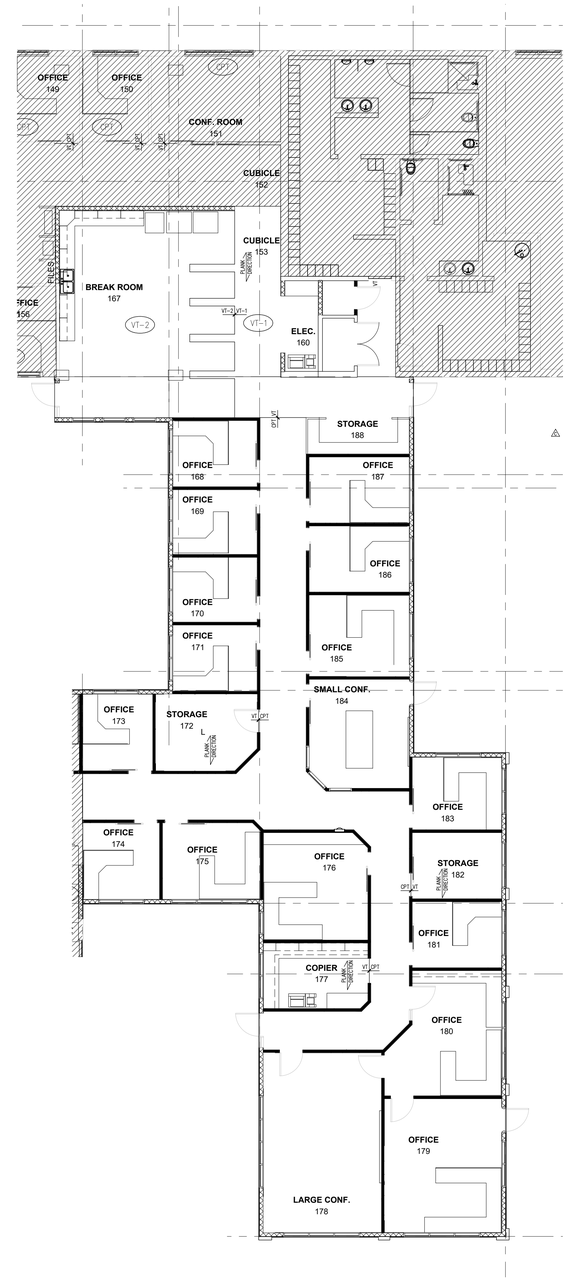
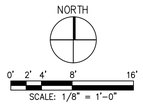
LICENSED ARCHITECT LEWIS BAKER C-18627 06/30/19 STATE OF CALIFORNIA

DRAWN: AL
CHECKED: MB
PROJECT NO.: 1516
DATE: 08.24.18
SCHEDULE B
ID0.1B
SHEET NAME: FINISH LEGEND



1 OVERALL FLOOR FINISH PLAN
SCALE 1/8" = 1'-0"



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08/30/2018

KEYNOTES

1 NOT USED

GENERAL NOTES

FLOORS

1) REMOVE EXISTING FLOORING FROM ALL AREAS OF THE EXISTING BUILDING PREP SUB FLOOR FOR NEW FINISHES PER FINISH PLAN. CONTRACTOR TO PROTECT EXISTING FLOOR FINISH THAT IS TO REMAIN FROM DAMAGE DURING CONSTRUCTION

2) REFER TO FINISH TRANSITION DETAILS ON SHEET ID4.0. FLOAT ALL FINISH TRANSITIONS PER THESE DETAILS TO ASSURE NO LEVEL CHANGES OR TRIP HAZARDS BETWEEN MATERIALS OF DIFFERENT THICKNESS

FINISH TRANSITION DETAILS

ALL FLOORING TRANSITIONS (TRANSITIONS BETWEEN DIFFERING GAUGE) AND ALL SEAMS BETWEEN LIKE MATERIALS SHALL PROVIDE A SMOOTH AND LEVEL FINISH FLOOR. RAISE THINNER FLOORING WHERE REQUIRED AS DETAILED IN THE FINISH TRANSITION DETAILS. CONTRACTOR TO PROVIDE TRANSITIONS BETWEEN FLOORING MATERIALS PER DETAILS BELOW. ALL TRANSITIONS CENTERED UNDER DOORS.

2 / ID4.0 PROVIDE A TRANSITION FROM TILE TO NEW RESILIENT

3 / ID4.0 PROVIDE A TRANSITION FROM NEW TILE TO NEW CARPET PER DETAIL

4 / ID4.0 PROVIDE A TRANSITION FROM NEW RESILIENT TO NEW CARPET DETAIL

11 / ID4.0 PROVIDE A CARPET BASE AS SCHEDULED PER DETAIL 11 /ID4.0

LEGEND

AREA OF THE EXISTING BUILDING NOT INCLUDED IN THE SCOPE OF SCHEDULE B

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LICENSED ARCHITECT
MICHAEL J. BAKER
No. C-18627
06/30/19
STATE OF CALIFORNIA

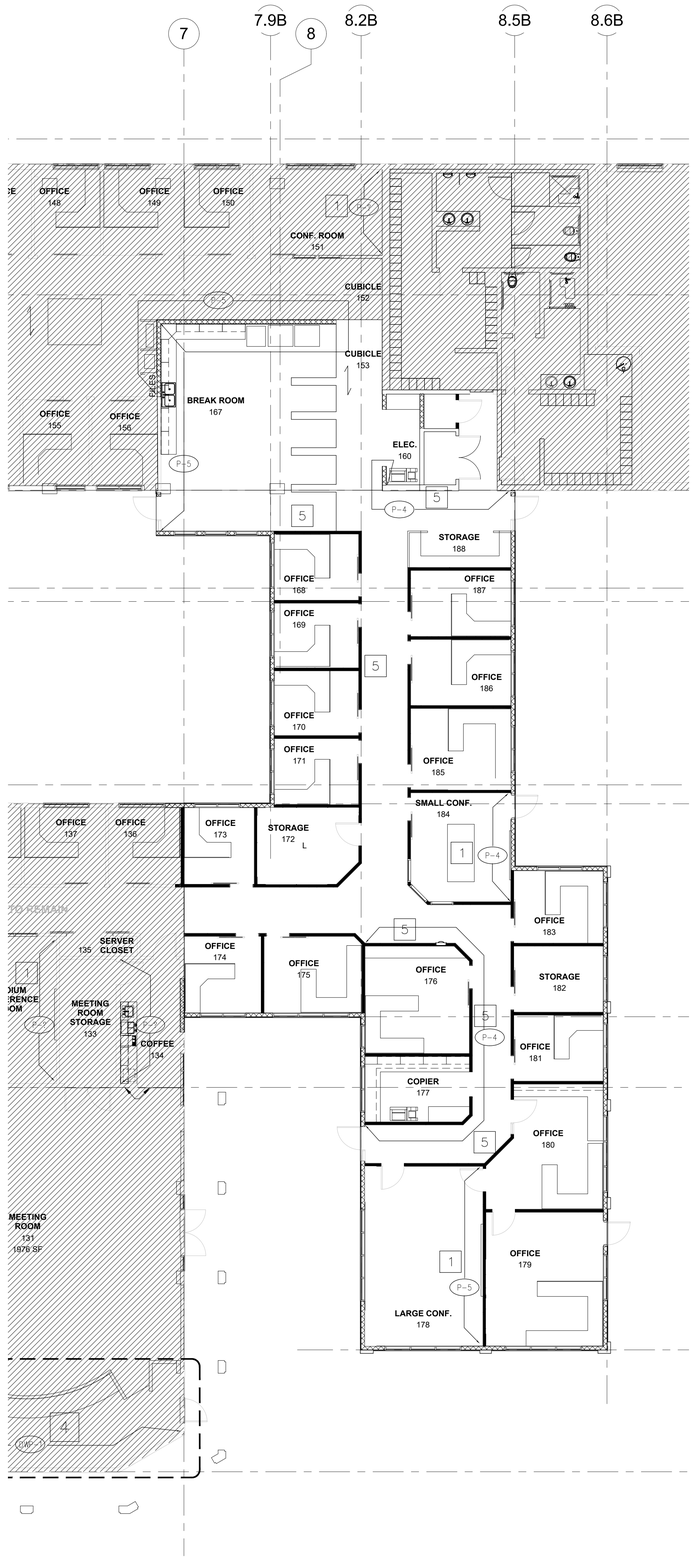
DRAWN	CHECKED
AL	MB

PROJECT NO. 1516

DATE 08.24.18

SHEET NAME FLOOR FINISH PLAN

SCHEDULE B
ID2.0B



1 OVERALL WALL FINISH PLAN
SCALE 1/8" = 1'-0"

NORTH

0' 2' 4' 8' 16'
SCALE: 1/8" = 1'-0"

KEYNOTES

1. PROVIDE WOOD CHAIR RAIL CR-1 ALLWALLS
2. WALL MURAL INSTALLED ON WALL ADJACENT TO STAIRS FLOOR TO CEILING
3. PROVIDE FRP WAINSCOT ALL WALLS PER DETAIL 6/ID3.1 FLOOR TO CEILING
4. PROVIDE WP-1 ALL WALLS UP TO 54"HT
5. PROVIDE BACKING AT AND HOLD=OFFS PER DETAIL 8 SHEET ID4.1 FOR ART PANELS (ART PANELS N.I.C.) 8 HOLD OFFS PER LOCATION

GENERAL NOTES

WALLS

1) REPLACE EXISTING ELECTRICAL AND SWITCH COVER PLATES WITH NEW WHITE FACE PLATES TYPICAL ALL FACE PLATES WITHIN THE SCOPE OF WORK FOR THE PROJECT
2) REMOVE ALL EXISTING DISPLAY BOARDS BULLETIN, AND PLAQUES FROM ALL AREAS WITHIN THE SCOPE OF WORK FOR THIS PROJECT. CONTRACTOR TO WALK THE JOB WITH THE CLIENT TO COORDINATE WHICH OF THESE ITEMS SHALL BE REINSTALLED AT THE END OF THE PROJECT.
3) REMOVE ALL EXISTING SIGNAGE WITHIN THE SCOPE OF WORK FOR THIS PROJECT. CONTRACTOR TO WALK THE JOB WITH THE CLIENT TO COORDINATE WHICH OF THESE SIGNS SHALL BE REINSTALLED AT THE END OF THE PROJECT.
4) REMOVE ALL EXISTING ART, FROM ALL AREAS WITHIN THE SCOPE OF WORK FOR THIS PROJECT. CONTRACTOR TO WALK THE JOB WITH THE CLIENT TO COORDINATE WHICH OF THESE ITEMS SHALL BE REINSTALLED AT THE END OF THE PROJECT.

DOORS

1) PAINT ALL EXISTING INTERIOR DOOR AND INTERIOR WINDOW FRAMES FRAMES P-? TYPICAL ALL FRAMES WITHIN THE SCOPE OF WORK FOR THIS PROJECT
2) PROVIDE NEW INTERIOR DOORS ALL DOORS IN THIS BUILDING FINISH TO BE WV-1

LEGEND

AREA OF THE EXISTING BUILDING NOT INCLUDED IN THE SCOPE OF WORK FOR SCHEDULE B

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08/30/2018

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LICENSED ARCHITECT MICHAEL BRANDT C-18627 06/30/19 STATE OF CALIFORNIA

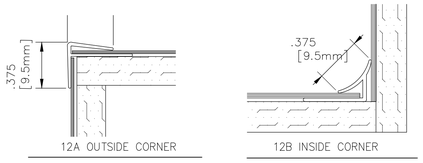
DRAWN	CHECKED
AL	MB

PROJECT NO.
316

DATE
08.24.18

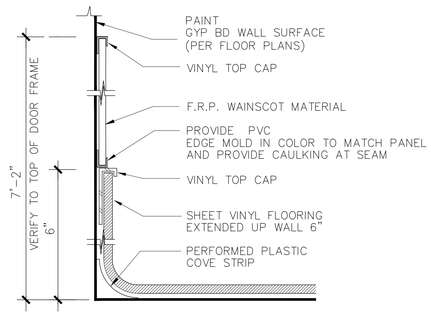
SHEET NAME
WALL FINISH PLAN

SCHEDULE B
ID2.1B

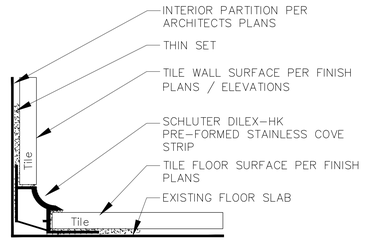


GENERAL NOTES: STANDARD SHEET SIZES: 4'x8' OR 4'x10' WITH MINIMUM .060 THICKNESS. ALL TRIM MEMBERS SHALL BE SUPPLIED IN HIGH IMPACT VINYL/ACRYLIC ALLOY IN 10' LENGTHS.

REFER TO SECTIONS ABOVE FOR TRIM PIECES TYPICAL ALL SEAMS AND SHEET ENDS AT SHEET WALL PROTECTION.

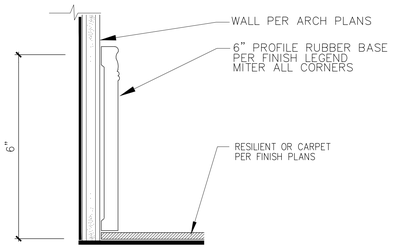


13 WAINSCOT FINISHES
HALF SCALE FINTRAN017

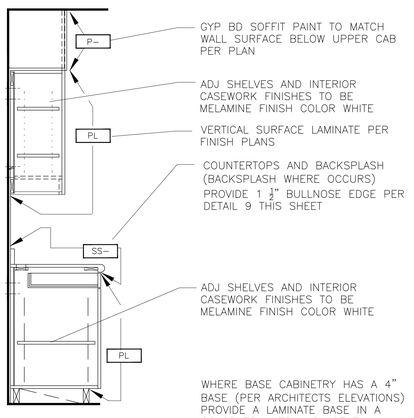


Schluter – DILEX-HK

9 COVE BASE AT TILE WALL / FLOOR TRANS
HALF SCALE FINTRAN011-A



10 PROFILE BASE DETAIL
HALF SCALE FINTRAN006

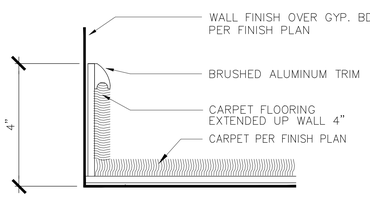


SEE ARCHITECTS ELEVATIONS FOR DRAWER CONFIGURATIONS.

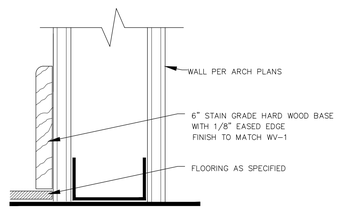
NOTE:
1. CABTS. TO HAVE WOOD VENEER FINISH ALL EXPOSED EXTERIOR SURFACES.
2. CABT. AND DOOR INTERIOR SURFACES TO BE WHITE MELAMINE.
3. SHELVES TO HAVE WHITE MELAMINE FINISH, WITH PLAS. LAM. ON EXTERIOR-FACING EDGE.
4. DRAWERS TO HAVE WHITE VINYL COATED SIDES, W/ WHITE MELAMINE BOTTOM.
6. MATERIALS AND FABRICATION OF CABINET-WORK SHALL BE IN ACCORDANCE W/ THE STANDARDS OF THE W.I.C.; CUSTOM GRADE FOR CABTS. AND MISC. ITEMS, PREMIUM GRADE FOR COUNTERTOPS.
7. ALL PULL HARDWARE TO BE: 3 INCH WIRE PULLS FINISH: BRUSHED STAINLESS STEEL

CASEWORK WITH SOLID SURFACE COUNTERTOPS

14 FINISHES AT TYPICAL CASEWORK
SCALE 3/4" = 1'-0" CASEWK0005



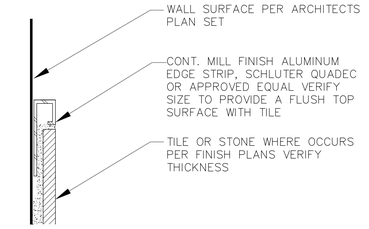
11 4" CARPET SELF COVE BASE
HALF SCALE FINTRAN007-A



12 SECTION @ WOOD BASE
HALF SCALE CASEWK0017

TYPICAL TOP CAP WHERE TILE RETURNS TO THE GYP. BD

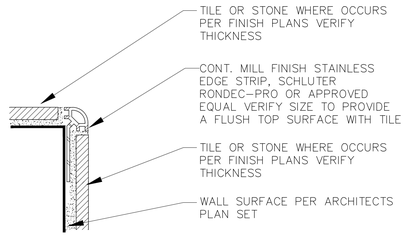
COLOR: FINISH TO MATCH SCHLUTER AE SATIN ANODIZED ALUMN METAL FINISH



5 METAL CAP AT WALL TILE
HALF SCALE FINTRAN003A

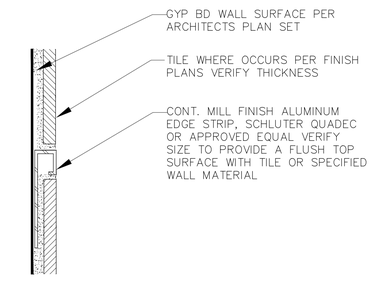
STANDARD DETAIL TYPICAL AT ALL OUTSIDE CORNERS U.O.N

COLOR: FINISH TO MATCH SCHLUTER AE SATIN ANODIZED ALUMN METAL FINISH

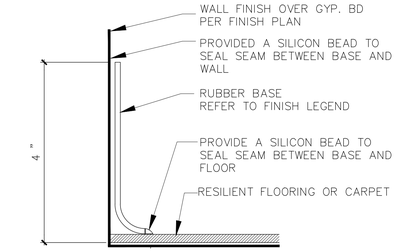


6 METAL CAP AT TILE OUTSIDE CORNER
HALF SCALE FINTRAN003A

COLOR: FINISH TO MATCH SCHLUTER AE SATIN ANODIZED ALUMN METAL FINISH

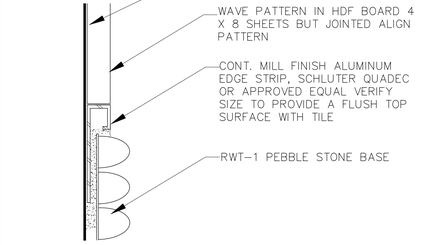


7 METAL INSET AT WALL TILE
HALF SCALE FINTRAN003B

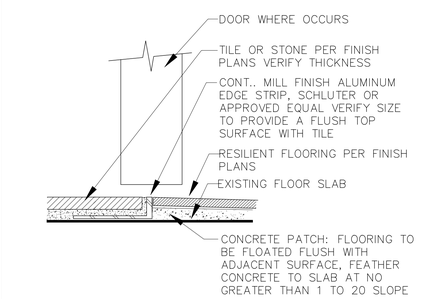


8 TOP SET BASE
HALF SCALE FINTRAN010A

COLOR: FINISH TO MATCH SCHLUTER AE SATIN ANODIZED ALUMN METAL FINISH

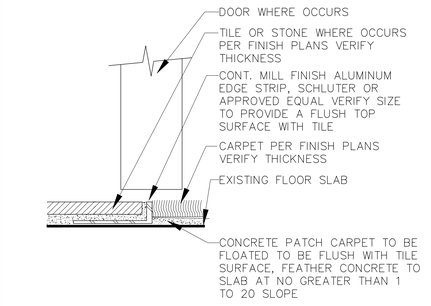


1 METAL INSET AT STONE AND HDF PA
HALF SCALE FINTRAN003B



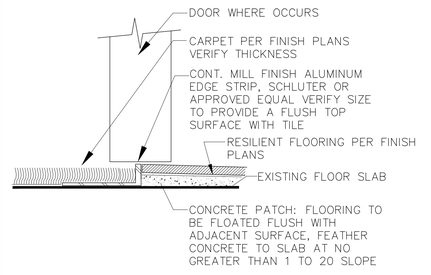
2 TILE TO RESILIENT TRANSITION
HALF SCALE FINTRAN005

COLOR: FINISH TO MATCH SCHLUTER AE SATIN ANODIZED ALUMN METAL FINISH



3 TILE TO CARPET TRANSITION
HALF SCALE FINTRAN003

COLOR: FINISH TO MATCH SCHLUTER AE SATIN ANODIZED ALUMN METAL FINISH



4 CARPET TO RESILIENT TRANSITION
HALF SCALE FINTRAN004-A

BID SET
NOT FOR CONSTRUCTION
08/30/2018

NOTE: DETAILS SHOWN HERE ARE FOR BOTH SCHEDULE "A" AND SCHEDULE "B" NOT ALL DETAILS ARE USED IN THIS PHASE

BRANDT
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NO	DATE	REVISION

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OLIVENHAIN - NEW AND REMODELED OPERATIONS AND ADMINISTRATION FACILITIES

BID SET

1966 OLIVENHAIN ROAD
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LICENSED ARCHITECT REGISTERED PROFESSIONAL C-18627 04/30/19 STATE OF CALIFORNIA

DRAWN	CHECKED
AL	MB

PROJECT NO. 1514
DATE 08.24.18
SHEET NAME FINISH TRANSITION DETAILS

SCHEDULE B
ID4.OB

REQUIRED SPECIAL INSPECTION

The following items require Special Inspection in accordance with Sections 1704 & 1705 of the 2016 California Building Code:

(only checked items are required)	
Inspection Item	Notes
Structural Concrete (CBC Table 1705.3)	
☐ Foundations(1)	
☐ Grade Beams / Piles	
☑ Mat Slab	
☐ Walls / Columns	
☐ Welding of Reinforcement	
☐ Anchor Bolts	
☐ Shotcrete / Gunnite	
☐ Seismic Resisting System	
☐ Other:	
Structural Steel (AISC 360–10 Chapter N)	
☑ Field Welding(2)	
☐ High Strength Bolting	
☐ Seismic Resisting System	See AISC 341–10 Chapter J
☐ Other:	
Structural Masonry (ACI 530–13 3.1)	
☐ Concrete Masonry (CMU)	
☐ Seismic Resisting System	
☐ Other:	
Structural Wood (CBC 1705.5)	
☐ High Load Diaphragms	
☑ Seismic Resisting System(3)	Wood Shearwalls, Diphragms, Collectors
☐ Other:	
Miscellaneous Items	
☑ Epoxy Anchors (Concrete)	Simpson SET–XP Epoxy (ICC–ESR 2508)
☑ Epoxy Anchors (CMU)	Hilti HIT–HY 70 Epoxy (ICC–ESR 2682)

1. FOUNDATION SPECIAL INSPECTION IS NOT REQUIRED FOR BUILDINGS THREE STORIES OR LESS IN HEIGHT.
2. SPECIAL INSPECTION NEED NOT BE PROVIDED FOR WELDING PERFORMED IN THE SHOP OF AN APPROVED FABRICATOR.
3. SPECIAL INSPECTION IS NOT REQUIRED FOR SHEARWALLS WHERE NAIL SPACING IS 4" OC OR LARGER.

COMMON NAIL DIMENSIONS

NAIL	L	D	H
8d	2½"	0.131"	0.281"
10d	3"	0.148"	0.312"
16d	3½"	0.162"	0.344"

N. ABBREVIATIONS

AB................ ANCHOR BOLT
BLKG................ BLOCKING
BN................ BOUNDARY NAIL
BOT................ BOTTOM
CLR................ CLEAR
CONT................ CONTINUOUS
DBL................ DOUBLE
DIA................ DIAMETER
(E)................ EXISTING
EA................ EACH
EN................ EN
EOR................ ENGINEER OF RECORD
FTG................ FOOTING
GLB................ GLUE LAMINATED BEAM
HD................ HOLD DOWN
KP................ KING POST
MIN................ MINIMUM
MPH................ MILE PER HOUR
(N)................ NEW
OC................ ON CENTER
PCF................ POUNDS PER CUBIC FOOT
PSF................ POUNDS PER SQUARE FOOT
PT................ PRESSURE TREATED
REF................ REFERENCE
REQD................ REQUIRED
SCHED................ SCHEDULE
SIM................ SIMILAR
SN................ SILL NAIL
SW................ SHEAR WALL
TYP................ TYPICAL
UNO................ UNLESS NOTED OTHERWISE
VIF................ VERIFY IN FIELD
W/................ WITH

J. GLUE LAMINATED AND STRUCTURAL COMPOSITE LUMBER

1. WEYERHAEUSER I–LEVEL PRODUCTS (ICC ESR–1387). ALL MATERIAL TO BE DOUGLAS FIR LARCH WITH THE FOLLOWING GRADES:
   I. PARALLAM (PSL).............. 2.0E
   II. MICROLAM (LVL)............... 1.9E
   III. TIMBERSTRAND (LSL)........ 1.7E
2. JOISTS LABELED TJI REFER TO WEYERHAEUSER TJI JOISTS (ICC 1153)
3. ALL PRODUCTS SHALL BE FABRICATED IN THE SHOP OF A LICENSED FABRICATOR. ALL PLACES SHALL BE STAMPED WITH THE MANUFACTURER'S LOGO FOR SCL OR GRADE MARK FOR GLB.
4. GLUE LAMINATED BEAMS (GLB) SHALL BE DFL GRADE 24F–V4 FOR SIMPLE SPANS AND 24F–V8 FOR CANTILEVER AND CONTINUOUS SPANS.
5. GLUE LAMINATED BEAMS (GLB) SHALL BE FABRICATED WITH STANDARD CAMBER UNLESS NOTED OTHERWISE ON PLANS.

K. NAILS AND FASTENERS

1. ALL CONNECTORS SHALL BE SIMPSON HARDWARE. ANY CHANGES SHALL BE APPROVED BY THE ENGINEER AND BUILDING OFFICIAL (PLAN CHECK OFFICE, NOT FIELD INSPECTOR).
2. USE FULL NAILING/BOLTING AT ALL CONNECTORS.
3. ALL BOLTS TO BE ASTM A307 UNLESS NOTED OTHERWISE.
4. ALL NAILS TO BE COMMON UNLESS NOTED OTHERWISE

L. MINIMUM FASTENING SCHEDULE UNLESS NOTED OTHERWISE (CBC TABLE 2304.10.1)

ROOF

BLOCKING BETWEEN JOISTS OR RAFTERS TO TOP PLATE – TOE NAIL EA END........ 3–8d
BLOCKING TO JOISTS OR RAFTERS – TOE NAIL EACH END.......... 2–8d
FLAT BLOCKING TO TRUSS AND WEB FILLER – FACE NAIL........... 16d @ 6"
CEILING JOIST TO PLATE – TOE NAIL........ 3–8d
CEILING JOISTS, LAPS OVER PARTITIONS – FACE NAIL........ 3–16d
CEILING JOISTS TO PARALLEL RAFTERS – FACE NAIL........ 3–16d
COLLAR TIE TO RAFTER – FACE NAIL........ 3–10d
RAFTERS OR TRUSS TO PLATE–TOE NAIL........ 3–10d
RAFTER TO RIDGE VALLEY OR HIP – TOE NAIL OR END NAIL........ 3–10d OR 2–16d
ROOF RAFTER TO 2–BY RIDGE BEAM – TOE NAIL OR END NAIL... 3–10d OR 2–16d

WALL

STUD TO STUD (NOT A SHEAR WALLS) – FACE NAIL........ 16d @ 24"
STUD TO STUD AND ABUTTING STUDS AT INTERSECTING WALL CORNERS (AT SHEAR WALLS) – FACE NAIL........ 16d @ 16"
BUILT–UP HEADER (2" TO 2" HEADER) – FACE NAIL........ 16d @ 16" EA FACE
CONTINUOUS HEADER TO STUD – TOE NAIL........ 4–8d
TOP PLATE TO TOP PLATE – FACE NAIL........ 16d @ 16"
TOP PLATE TO TOP PLATE, AT END JOINTS – FACE NAIL (24" LAP SPLICE LENGTH EACH SIDE OF END JOINT)........ 8–16d EA SIDE OF JOINT
BOTTOM PLATE TO JOIST, RIM JOIST, BAND JOIST, BLOCKING (NOT AT SHEAR WALLS) – FACE NAIL........ 16d @ 16"
BOTTOM PLATE TO JOIST, RIM JOIST, BAND JOIST, BLOCKING (AT SHEAR WALLS) – FACE NAIL........ 2–16d @ 16"
STUD TO TOP OR BOTTOM PLATE – TOE NAIL OR END NAIL....... 4–8d OR 2–16d
TOP OR BOTTOM PLATE TO STUD – END NAIL........ 2–16d
TOP PLATES, LAPS AT CORNERS AND INTERSECTIONS – FACE NAIL........ 2–16d
1" BRACE TO EACH STUD AND PLATE – FACE NAIL........ 2–8d
1" BRACE TO EACH STUD AND PLATE – FACE NAIL........ 2–8d
1" X 8" SHEATHING OR LESS TO EACH BEARING–FACE NAIL........ 3–8d

FLOOR

JOIST TO SILL, TOP PLATE, OR GIRDER – TOENAIL........ 3–8d
RIM JOIST, BAND JOIST, OR BLOCKING TO TOP PLATE, SILL, OR OTHER FRAMING BELOW – TOENAIL........ 8d @ 6"
1" X 6" SUBFLOOR OR LESS TO EACH JOIST – FACE NAIL........ 2–8d
2" SUBFLOOR TO JOIST OR GIRDER........ 2–16d
2" PLANKS........ 16d @ EACH BEARING
BUILT UP GIRDER AND BEAMS–TOP & BOT OR ENDS & SPLICE.. 20d @ 32" OR 2–20d
LEDGER STRIP – FACE NAIL........ 3–16d @ EACH JOIST
JOIST TO BAND JOIST OR RIM JOIST – FACE NAIL........ 3–16d
BLOCKING TO JOISTS OR TRUSS – TOE NAIL EACH END........ 2–8d

WOOD STRUCTURAL PANELS AND PARTICLEBOARD, SUBFLOOR, ROOF AND WALL SHEATHING (TO FRAMING 6:6:12)

½" AND LESS........ 6d
19/32" TO ¾"........ 8d
⅞" TO 1¼"........ 10d

SINGLE FLOOR (COMBINATION SUBFLOOR–UNDERLAYMENT TO FRAMING 6:6:12)

¾" AND LESS........ 8d
⅞" TO 1"........ 8d
1⅛" TO 1¼"........ 10d

PANEL SIDING (TO FRAMING 6:6:12)

½" OR LESS........ 6d
⅝"........ 8d

OTHER EXTERIOR WALL SHEATHING

FIBERBOARD SHEATHING – ½" OR 25/32" (3:3:6)... 1½" GALVANIZED ROOFING NAIL OR 1¾" GALVANIZED ROOFING NAIL

INTERIOR PANELING

¼" OR ⅜" (6:6:12)........ 4d OR 6d

M. STRUCTURAL STEEL

1. HOT ROLLED STRUCTURAL STEEL SHALL CONFORM TO THE FOLLOWING GRADES AND ASTM SPECIFICATIONS:
   I. WIDE FLANGE "W"........ A992, A913–50 OR A572–50
   II. RECTANGULAR TUBE "HSS"........ A500–B
   III. STANDARD PIPE........ A53–B
   IV. PLATES & MISC........ A36 OR A572–50
2. WELDING SHALL CONFORM TO AWS D1.1/D1.1M. ALL WELDS SHALL BE UNIFORM IN SIZE AND APPEARANCE, AND FREE OF PINHOLES, POROSITY, UNDERCUTTING OR OTHER DEFECTS. ALL BUTT WELDS SHALL BE FULL PENETRATION.
3. WELDS SHALL BE DONE IN THE SHOP OF AN APPROVED FABRICATOR UNLESS OTHERWISE NOTED ON THE PLANS. ALL FIELD WELDING SHALL BE PERFORMED BY CERTIFIED WELDERS APPROVED BY THE BUILDING OFFICIAL WITH CONTINUOUS INSPECTION BY A DEPUTY INSPECTOR IS REQUIRED. (PER AISC 360–10 CHAPTER N5.4)
4. STRUCTURAL STEEL NOT ENCASED IN CONCRETE OR MASONRY SHALL BE SHOP PAINTED AS SPECIFIED. ANY ABRASION SHALL BE TOUCHED UP AFTER ERECTION.
5. FABRICATOR SHALL SUBMIT SHOP DRAWINGS TO STRUCTURAL ENGINEER FOR REVIEW PRIOR TO START OF FABRICATION. FABRICATION SHALL CONFORM TO AISC SPECIFICATIONS.
6. BOLTS SHALL CONFORM TO ASTM A307, UNLESS OTHERWISE NOTED.
7. ALL STEEL FABRICATIONS SHALL BE DONE IN A SHOP LICENSED BY THE GOVERNING CITY OR COUNTY.

C. FOUNDATIONS

1. ALL HOLDDOWN HARDWARE IS TO BE SECURED IN PLACE PRIOR TO FOUNDATION INSPECTION.
2. ALL EXTERIOR AND BEARING WOOD STUD WALLS SHALL BE SECURED TO THE FOUNDATION WITH 5/8" ANCHOR BOLTS EMBEDDED 7" INTO CONCRETE SPACED NO FARTHER THAN 4'–0" APART UNLESS NOTED OTHERWISE. ANCHOR BOLTS SHALL BE INSTALLED WITH A 3"X3"X0.229" PLATE WASHER AND A PROPERLY SIZED NUT. INSTALL ONE BOLT WITHIN 12" OF THE END OF EACH SILL PIECE (MINIMUM 2 BOLTS PER PIECE). PROVIDE A MINIMUM OF 7 BOLT DIAMETERS END DISTANCE.
3. POWDER DRIVEN FASTENERS ("SHOT–PINS") SHALL NOT BE USED TO PERMANENTLY SECURE WOOD STUD EXTERIOR OR BEARING WALLS TO FOUNDATIONS.
4. ALL HOLDDOWN HARDWARE SHALL BE RE–TIGHTENED JUST PRIOR TO WALL COVERING.
5. ANCHOR BOLTS SHALL COMPLY WITH ASTM F1554 GRADE 36 UNLESS NOTED OTHERWISE.
6. PROVIDE THE SPECIFIED MINIMUM EMBEDMENT BELOW ANY COLD JOINTS IN TWO POUR FOOTINGS UNLESS NOTED OTHERWISE.
7. FASTENERS IN CONTACT WITH PRESERVATIVE–TREATED WOOD SHALL BE HOT DIPPED ZINC–COATED GALVANIZED STEEL, STAINLESS STEEL, SILICON BRONZE OR COPPER.

D. CONCRETE AND FORMWORK

1. CEMENT SHALL CONFORM TO THE REQUIREMENTS OF ASTM C150 TYPE II.
2. SPECIFIED COMPRESSIVE STRENGTH F'C SHALL BE AS FOLLOWS:
   I. PAD FOOTINGS 2500psi
   II. MAT SLAB ON GRADE........ 3000psi
   III. WALLS AND STRUCTURAL SLABS........ 3000psi
   IV. BEAMS AND COLUMNS........ 3000psi
   V. PILES, CAISSONS, AND GRADE BEAMS...... 3000psi
3. COARSE AGGREGATE TO BE HARD, DURABLE CRUSHED STONE OR GRAVEL GRADED PER ASTM C33. MAXIMUM SIZE OF COARSE AGGREGATES SHALL NOT EXCEED 1–1/2 INCHES.
4. SAND SHALL BE CLEAN, HARD, DURABLE, WASHED, FREE FROM SILT LOAM OR CLAY.
5. MIXING WATER SHALL BE CLEAN AND FREE FROM INJURIOUS AMOUNTS OF ACIDS, ALKALIS, ORGANIC MATERIALS OR OTHER DELETERIOUS SUBSTANCES.
6. FORM WORK SHALL CONFORM TO ACI 318–14 CHAPTER 26.11. FORM WORK FOR STRUCTURAL SLAB TO REMAIN IN PLACE AT LEAST 14 DAYS AFTER POURING THE CONCRETE.
7. ALL PIPES AND DUCTS THROUGH CONCRETE TO BE SLEEVED PER ACI 318–14 CHAPTER 6. VERIFY ALL OPENING LOCATIONS WITH PLUMBER AND ELECTRICIAN.
8. CONCRETE FLOOR SLAB IN AREAS TO BE COVERED WITH MOISTURE SENSITIVE COVERINGS SHALL BE CONSTRUCTED OVER A PLASTIC MEMBRANE. THE PLASTIC SHOULD BE PROPERLY LAPPED SEALED AND PROTECTED WITH A SAND BASE. SEE FOUNDATION PLAN FOR MEMBRANE AND SAND BASE THICKNESS. SEE DETAILS FOR EXPANSION JOINTS, CONSTRUCTION JOINTS AND CRACK CONTROL JOINT AS REQUIRED IF CALLED OUT ON THE PLANS.
9. EXTERIOR SLABS SHALL BE STRUCK LEVEL AND SLOPED TO DRAIN AWAY FROM STRUCTURE AND SHALL NOT HOLD PUDDLES.

F. REINFORCING STEEL

1. REINFORCING STEEL SHALL BE DEFORMED BARS CONFORMING TO ASTM A615 WITH THE FOLLOWING GRADES:
   I. #3 AND #4........ GRADE 40 OR 60
   II. #5 AND LARGER........ GRADE 60
3. REINFORCING BARS TO BE WELDED SHALL CONFORM TO ASTM A706 GRADE 60.
2. ALL DOWELS, ANCHOR BOLTS, AND OTHER INSERTS SHALL BE PROPERLY SECURED IN PLACE PRIOR TO PLACING CONCRETE.
3. ALL REINFORCING STEEL SHALL HAVE THE FOLLOWING MINIMUM CONCRETE COVERAGE:
   I. CONCRETE PLACED AGAINST EARTH .... 3"
   II. CONCRETE WITH FORMED SURFACES IN CONTACT WITH EARTH........ 2"
   III. CONCRETE EXPOSED TO WEATHER........ 3"
   IV. SLABS, WALLS, AND JOISTS NOT EXPOSED TO WEATHER OR IN CONTACT WITH EARTH (#11 OR SMALLER)........ 3/4"
   V. BEAMS, COLUMNS, AND GIRDERS NOT EXPOSED TO WEATHER OR IN CONTACT WITH EARTH........ 1–1/2"

G. LUMBER AND WOOD FRAMING

1. ALL LUMBER SHALL BE DOUGLAS FIR LARCH EXCEPT AS NOTED. ALL LUMBER SHALL BE GRADED IN ACCORDANCE WITH THE RULES OF THE WCLIB OR WWPA AND SHALL BEAR A GRADE MARK. LUMBER GRADES SHALL BE AS FOLLOWS:
   I. 2X ROOF OR FLOOR JOISTS........ NO.2
   II. 4X HEADERS & BEAMS........ NO.1
   III. 6X OR LARGER BEAMS........ NO 1 B & S
   IV. 2X AND 3X STUDS........ STUD
   V. 4X4 OR 4X6 POSTS........ NO.1
   VI. 6X POSTS OR GREATER........ NO 1 P & T
2. HOLES AND NOTCHES, UNLESS OTHERWISE DETAILED SHALL MEET THE FOLLOWING REQUIREMENTS. BEAMS OR JOISTS MAY BE NOTCHED AT THE ENDS AND SHALL NOT EXCEED 1/4 THE DEPTH. HOLES BORED IN MEMBERS SHALL NOT BE WITHIN 2" OF THE TOP OR BOTTOM OF THE MEMBER AND THE DIAMETER OF ANY SUCH HOLE SHALL NOT EXCEED 1/3 THE DEPTH. NOTCHES IN THE TOP OR BOTTOM OF MEMBERS SHALL NOT EXCEED 1/6 THE DEPTH AND SHALL NOT BE LOCATED IN THE MIDDLE THIRD OF THE SPAN. CUTTING AND NOTCHING OF STUDS: STUDS IN EXTERIOR WALLS AND BEARING PARTITIONS MAY BE CUT OR NOTCHED TO A DEPTH NOT EXCEEDING 25% OF ITS WIDTH. CUTTING OR NOTCHING OF STUDS IN NON–BEARING PARTITIONS SHALL NOT EXCEED 40% OF THE WIDTH. BORED HOLES IN STUDS: A HOLE NOT GREATER IN DIAMETER THAN 40% OF THE STUD WIDTH MAY BE BORED IN ANY WOOD STUD. BORED HOLES NOT GREATER THAN 60% OF THE WIDTH OF THE STUD ARE PERMITTED IN NONBEARING PARTITIONS. IN NO CASE SHALL THE EDGE OF THE BORED HOLE BE NEARER THAN 5/8" TO THE EDGE OF THE STUD. BORED HOLES SHALL NOT BE LOCATED AT THE SAME SECTION OF STUD AS A CUT OR NOTCH. RIPPING LUMBER: RIPPING LUMBER VOIDS GRADE AND IS NOT PERMITTED UNLESS OTHERWISE NOTED.
3. ALL LUMBER IN CONTACT WITH CONCRETE OR MASONRY SHALL BE PRESSURE TREATED.
4. STUD PARTITIONS CONTAINING PLUMBING, HEATING, OR OTHER PIPES SHALL BE SO FRAMED AND THE JOISTS UNDERNEATH SO SPACED AS TO GIVE PROPER CLEARANCE FOR THE PIPING. WHERE A PARTITION CONTAINING SUCH PIPING RUNS PARALLEL TO THE FLOOR JOISTS, THE JOISTS UNDERNEATH SUCH PARTITIONS SHALL BE DOUBLED AND SPACED TO PERMIT PASSAGE OF SUCH PIPES AND SHALL BE BRIDGED.
5. ALL STUD WALLS OVER 10' IN HEIGHT SHALL BE SOLID BLOCKED AT MID–HEIGHT AS NECESSARY SO THAT NO CONCEALED SPACE IS OVER 10' IN HEIGHT OR LENGTH.
6. EVERY WOOD STUD BEARING WALL OR BEARING PARTITION SHALL BE BRACED AT EACH END OR AS CLOSE AS POSSIBLE.
7. PROVIDE METAL WASHERS UNDER ALL BOLT HEADS AND NUTS BEARING ON WOOD.
8. PROVIDE DOUBLE FLOOR JOISTS UNDER ALL PARALLEL PARTITIONS AND TRIPLE FLOOR JOISTS UNDER ALL BEARING PARTITIONS UNLESS OTHERWISE NOTED, 2X BLOCKING AT 8'–0" OC AND AT SUPPORTS. BLOCK BELOW PERPENDICULAR PARTITIONS.

H. WOOD PANEL SHEATHING

1. WOOD STRUCTURAL PANELS MAY BE OSB OR PLYWOOD AND SHALL COMPLY WITH PRODUCT STANDARD PS1–09 OR PS2–10, AND CBC 2303.1.5.
2. SEE PLAN FOR SHEATHING AND NAILING DATA.
3. FACE GRAIN SHALL RUN PERPENDICULAR TO SUPPORTS AT ROOF AND FLOOR SHEATHING.
4. MINIMUM SHEET DIMENSION SHALL BE 2'–0"
5. USE COMMON NAILS ONLY UNLESS SPECIFICALLY NOTED OTHERWISE. THIS APPLIES TO ALL PLYWOOD NAILING.
6. MINIMUM EDGE DISTANCE SHALL BE 3/8", AND NAILS SHALL NOT BE OVERDRIVEN THRU OUTER PLY. STAGGER NAILS AT ADJACENT PLYWOOD SHEET.
7. SILLS AND PLATES AT SHEAR WALLS SHALL BE CONTINUOUS AND FREE OF CUTS AND NOTCHES. PERFORATIONS SHALL BE ALLOWED WITH A MAXIMUM OF 1–3/4" DIAMETER AND SHALL BE LOCATED AS CLOSE TO CENTER AS POSSIBLE. SILL BOLTS TO ENTER CONCRETE 7" MINIMUM AND 12" MAXIMUM FROM ENDS OF SILL AND CORNERS.

SYMBOL LEGEND

A. GENERAL SPECIFICATIONS

1. ALL DESIGN AND CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE 2016 CALIFORNIA BUILDING CODE, 2016 CALIFORNIA PLUMBING CODE, 2016 CALIFORNIA MECHANICAL CODE, AND THE 2016 CALIFORNIA ELECTRICAL CODE.
2. ALL DETAILS, SECTIONS, AND NOTES ON DRAWINGS ARE INTENDED TO BE TYPICAL AND SHALL APPLY TO SIMILAR SITUATIONS ELSEWHERE UNLESS OTHERWISE NOTED.
3. THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND CONDITIONS AT THE SITE. WHERE ACTUAL CONDITIONS CONFLICT WITH THE DRAWINGS, DISCREPANCIES SHALL BE REPORTED TO THE ENGINEER SO THAT THE PROPER REVISIONS CAN BE MADE PRIOR TO PROCEEDING WITH THE WORK.
4. ALL GENERAL CONTRACTORS, SUB–CONTRACTORS, ARCHITECTS, AND ENGINEERS CONDUCTING BUSINESS ARE REQUIRED TO MAINTAIN A CURRENT BUSINESS LICENSE.
5. A RE–INSPECTION FEE WILL BE CHARGED FOR AN INSPECTION WHICH IS CALLED WITHOUT PROVIDING ACCESS, PLANS, OR IF THE JOB IS NOT READY.
6. DIMENSIONS SHALL NOT BE SCALED FROM THE DRAWINGS.
7. ALL ASTM DESIGNATIONS SHALL BE AS AMENDED TO DATE UNLESS OTHERWISE NOTED.
8. ALL OMISSIONS OR CONFLICTS BETWEEN THE VARIOUS ELEMENTS OF THE WORKING DRAWINGS AND/OR SPECIFICATIONS SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER BEFORE PROCEEDING WITH ANY WORK INVOLVED.
9. CONTRACTOR TO PROVIDE ADEQUATE SHORING AND BRACING TO SUPPORT ALL LOADS DURING CONSTRUCTION.
10. A SURVEY SHALL BE PROVIDED BY A LICENSED SURVEYOR ON STRUCTURES WHICH DEFINE PROPERTY LINES, SETBACKS, DESIGNATED PARKLAND OR STREET RIGHT–OF–WAY.

A.1 DESIGN BASIS

1. THESE STRUCTURAL DRAWINGS ARE BASED UPON THE 2016 CALIFORNIA BUILDING CODE AND FOLLOWING DESIGN PARAMETERS:

a. GRAVITY LOADS
   ROOFING MATERIAL WEIGHT 10.0psf
   ROOF LIVE LOAD 20.0psf

b. SEISMIC DESIGN PARAMETERS
   IMPORTANCE FACTOR .... I 1.0
   RISK CATEGORY II
   SITE CLASS .... D
   SEISMIC DESIGN CATEGORY .... D
   MAPPED ACCELERATIONS .... Ss 1.05
   S1 .... 0.41
   DESIGN ACCELERATIONS .... Sds 0.76
   Sd1 ...... 0.43
   RESPONSE MODIFICATION FACTOR .... R 6.5
   OVERSTRENGTH FACTOR .... Ω_o 3.0

   FORCE RESISTING SYSTEM: BEARING WALL SYSTEM
   ANALYSIS PROCEDURE: EQUIVALENT LATERAL FORCE PROCEDURE
   SEISMIC RESPONSE COEFFICIENT .... Cs 0.15
   BASE SHEAR .... V 21.7kip

c. WIND DESIGN PARAMETERS
   EXPOSURE CATEGORY C
   RISK CATEGORY II
   BASIC WIND SPEED – ULTIMATE........ 110mph
   BASIC WIND SPEED – NOMINAL........ 85mph
   EXPOSURE FACTOR .... λ 1.21

d. SOILS DESIGN PARAMETERS
   SOIL TYPE .... Alluvium
   ALLOWABLE BEARING PRESSURE 1500psf
   DESIGN PASSIVE PRESSURE 350pcf
   COEFFICIENT OF FRICTION 0.30

A.2 SUBMITTALS

1. THE FOLLOWING ITEMS SHALL BE SUBMITTED TO THE ARCHITECT AND ENGINEER OF RECORD FOR REVIEW AND APPROVAL PRIOR TO FABRICATION.
   a. CONCRETE REINFORCING SHOP DRAWINGS.
   b. CONCRETE MIX DESIGNS.
   c. HOT–ROLLED STEEL SHOP DRAWINGS.
   d. WOOD TRUSS SHOP DRAWINGS & CALCULATIONS.
2. THE FOLLOWING ITEMS SHALL BE SUBMITTED TO THE ENGINEER OF RECORD FOR REVIEW PRIOR TO PROJECT COMPLETION.
   a. CONCRETE CYLINDER TEST RECORDS (STRENGTH AT 28 DAYS).
   b. SPECIAL INSPECTION REPORTS.

B. GRADING AND SITEWORK

1. THE SURROUNDING AREAS SHOULD BE GRADED SO AS TO ENSURE DRAINAGE AWAY FROM THE BUILDING.
2. ALL BACKFILL SHALL BE COMPACTED PER THE SOILS REPORT
3. SOILS REPORT REQUIREMENTS AND RECOMMENDATIONS:
   A. REFER TO THE FOLLOWING SOILS REPORT FOR INFORMATION NOT NOTED:
      I. SCST, INC. REPORT #160105P3 DATED 03/03/2016
      II. 6280 RIVERDALE STREET, SAN DIEGO, CA 92120
      III. (619) 280–4321
   B. THE APPROVED SOIL REPORT SHALL BE A PART OF THE PLANS AND SHALL BE KEPT AT THE JOB SITE AT ALL TIMES.
4. ALL EXCAVATIONS SHALL BE OBSERVED AND APPROVED BY THE GEOTECHNICAL ENGINEER PRIOR TO THE PLACEMENT OF REINFORCING STEEL.
5. ALL EXCAVATIONS SHALL BE APPROVED BY THE INSPECTOR PRIOR TO PLACEMENT OF STEEL OR CONCRETE.
6. ALL WATER SHALL BE REMOVED FROM FOUNDATION EXCAVATIONS PRIOR TO PLACING OF CONCRETE.
7. NO PERSON SHALL DESCEND INTO TRENCHES OR EXCAVATIONS 5' OR MORE IN DEPTH, UNLESS NECESSARY PERMITS HAVE BEEN OBTAINED FROM THE STATE OF CALIFORNIA DIVISION OF OCCUPATIONAL SAFETY.
8. SEE CIVIL DRAWINGS, IF PROVIDED, FOR ANY ADDITIONAL SPECIFICATIONS AND INFORMATION.
9. EXCAVATIONS SHALL BE MADE IN COMPLIANCE WITH CAL–OSHA REGULATIONS.

BID SET
NOT FOR
CONSTRUCTION
08/30/2018

WYNN ENGINEERING

REGISTERED PROFESSIONAL ENGINEER
STEVE D. REID JR
No. 5850
Exp. 12-31-19
STRUCTURAL
STATE OF CALIFORNIA

NO.	DATE	REVISION

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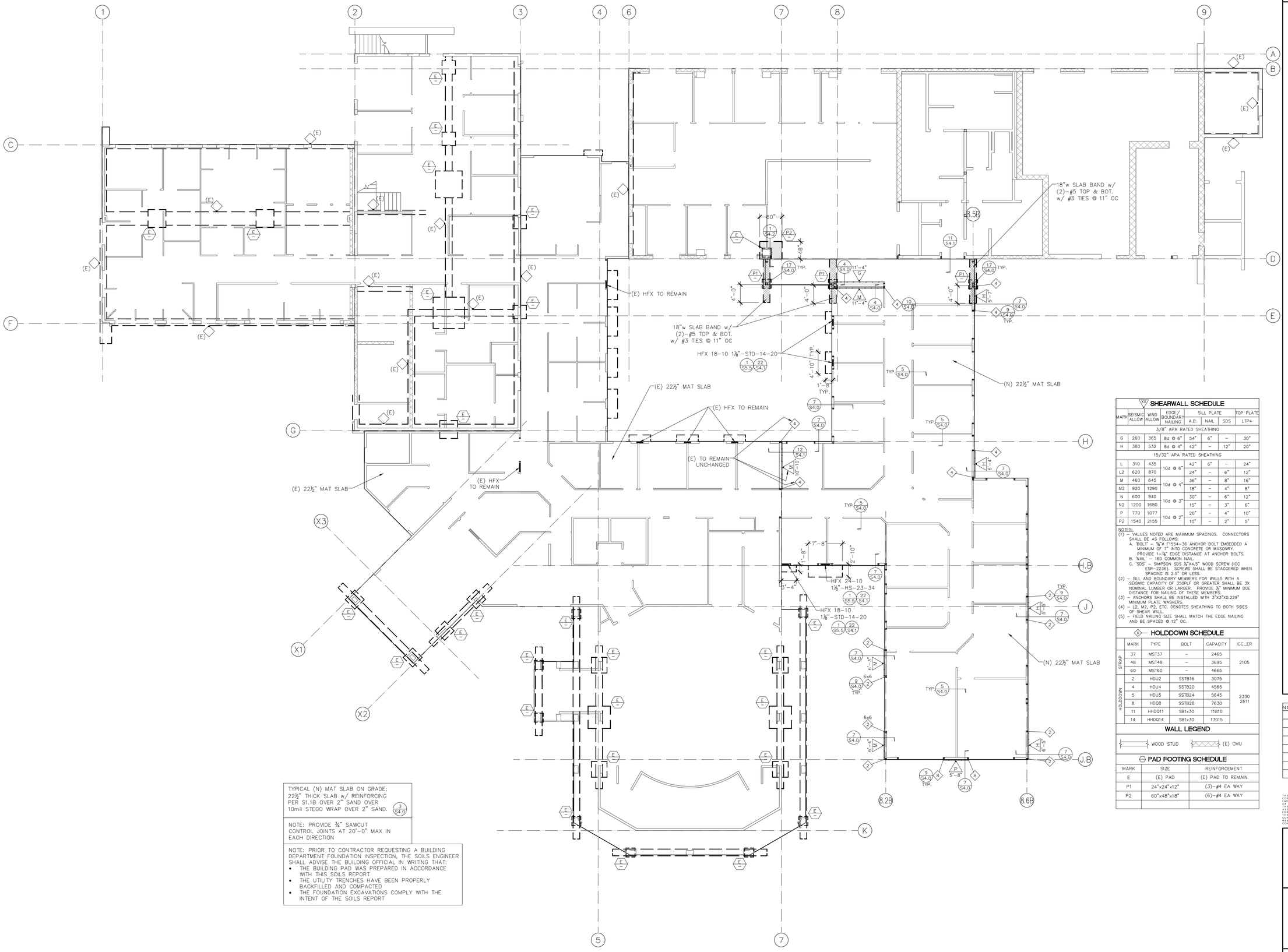
LICENSED ARCHITECT
MARK LEWIS BAKER
C-18627
06/30/19
STATE OF CALIFORNIA

DRAWN	CHECKED	
JPC	SDR	
PROJECT NO.		S0B
1516		
DATE		
08.23.18		
SHEET NAME		
STRUCTURAL SPECIFICATIONS		



TYPICAL (N) MAT SLAB ON GRADE;
22½" THICK SLAB w/ REINFORCING PER S1.1B OVER 2" SAND OVER 10mil STEGO WRAP OVER 2" SAND. (3/S4.0)

NOTE: PROVIDE ¾" SAWCUT CONTROL JOINTS AT 20'-0" MAX IN EACH DIRECTION

NOTE: PRIOR TO CONTRACTOR REQUESTING A BUILDING DEPARTMENT FOUNDATION INSPECTION, THE SOILS ENGINEER SHALL ADVISE THE BUILDING OFFICIAL IN WRITING THAT:
- THE BUILDING PAD WAS PREPARED IN ACCORDANCE WITH THIS SOILS REPORT
- THE UTILITY TRENCHES HAVE BEEN PROPERLY BACKFILLED AND COMPACTED
- THE FOUNDATION EXCAVATIONS COMPLY WITH THE INTENT OF THE SOILS REPORT

SHEARWALL SCHEDULE

MARK	SEISMIC ALLOW	WIND ALLOW	EDGE/ BOUNDARY NAILING	SILL PLATE A.B.	SILL PLATE NAIL	SILL PLATE SDS	TOP PLATE LTP4
3/8" APA RATED SHEATHING							
G	260	365	8d @ 6"	54"	6"	–	30"
H	380	532	8d @ 4"	42"	–	12"	20"
15/32" APA RATED SHEATHING							
L	310	435	10d @ 6"	42"	6"	–	24"
L2	620	870		24"	–	6"	12"
M	460	645	10d @ 4"	36"	–	8"	16"
M2	920	1290		18"	–	4"	8"
N	600	840	10d @ 3"	30"	–	6"	12"
N2	1200	1680		15"	–	3"	6"
P	770	1077	10d @ 2"	20"	–	4"	10"
P2	1540	2155		10"	–	2"	5"

NOTES:
(1) – VALUES NOTED ARE MAXIMUM SPACINGS. CONNECTORS SHALL BE AS FOLLOWS:
A. "BOLT" – ⅝"ø F1554-36 ANCHOR BOLT EMBEDDED A MINIMUM OF 7" INTO CONCRETE OR MASONRY. PROVIDE 1-¾" EDGE DISTANCE AT ANCHOR BOLTS.
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(3) – ANCHORS SHALL BE INSTALLED WITH 3"X3"X0.229" MINIMUM PLATE WASHERS.
(4) – L2, M2, P2, ETC. DENOTES SHEATHING TO BOTH SIDES OF SHEAR WALL.
(5) – FIELD NAILING SIZE SHALL MATCH THE EDGE NAILING AND BE SPACED @ 12" OC.

HOLDDOWN SCHEDULE

	MARK	TYPE	BOLT	CAPACITY	ICC_ER
STRAP	37	MST37	–	2465	2105
	48	MST48	–	3695	
	60	MST60	–	4665	
HOLDDOWN	2	HDU2	SSTB16	3075	2330 2611
	4	HDU4	SSTB20	4565	
	5	HDU5	SSTB24	5645	
	8	HDQ8	SSTB28	7630	
	11	HHDQ11	SB1x30	11810	
	14	HHDQ14	SB1x30	13015	

WALL LEGEND

WOOD STUD (E) CMU

PAD FOOTING SCHEDULE

MARK	SIZE	REINFORCEMENT
E	(E) PAD	(E) PAD TO REMAIN
P1	24"x24"x12"	(3)-#4 EA WAY
P2	60"x48"x18"	(6)-#4 EA WAY

FOUNDATION PLAN (SCHEDULE B)

1/8" = 1'-0"

BID SET NOT FOR CONSTRUCTION
08/30/2018

WYNN Engineering

REGISTERED PROFESSIONAL ENGINEER
STEVE D. REID JR
No. 5850
Exp. 12-31-19
STRUCTURAL
STATE OF CALIFORNIA

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LICENSED ARCHITECT C-18627 RENEWAL 08/31/19 STATE OF CALIFORNIA

DRAWN	CHECKED
JPC	SDR
PROJECT NO.	
1516	
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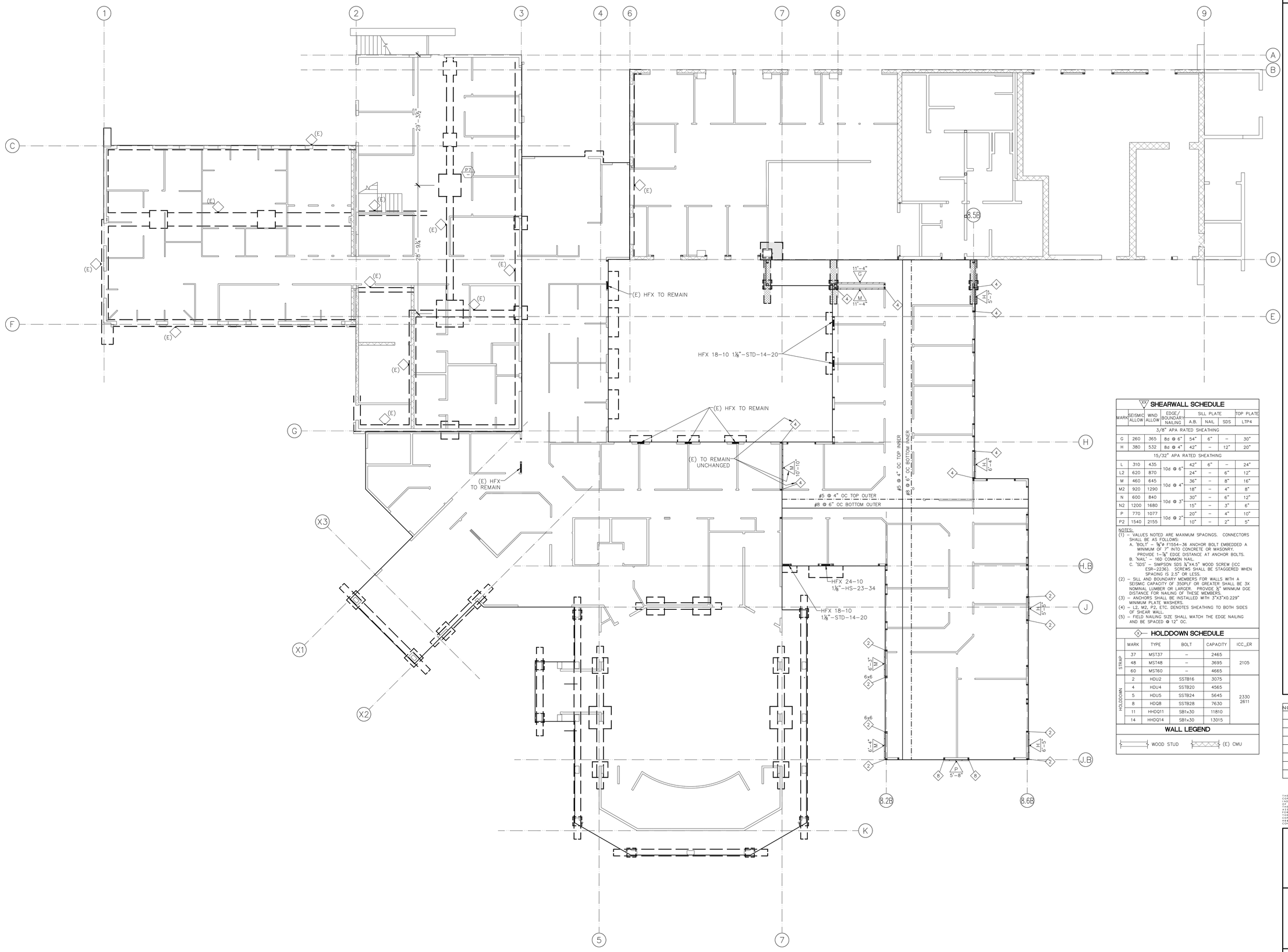
FOUNDATION PLAN	

S1.0B



SHEARWALL SCHEDULE

MARK	SEISMIC ALLOW	WIND ALLOW	EDGE/ BOUNDARY NAILING	SILL PLATE A.B.	SILL PLATE NAIL	SILL PLATE SDS	TOP PLATE LTP4
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WALL LEGEND

WOOD STUD (E) CMU

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WYNN ENGINEERING

REGISTERED PROFESSIONAL ENGINEER
STEVE D. REID JR
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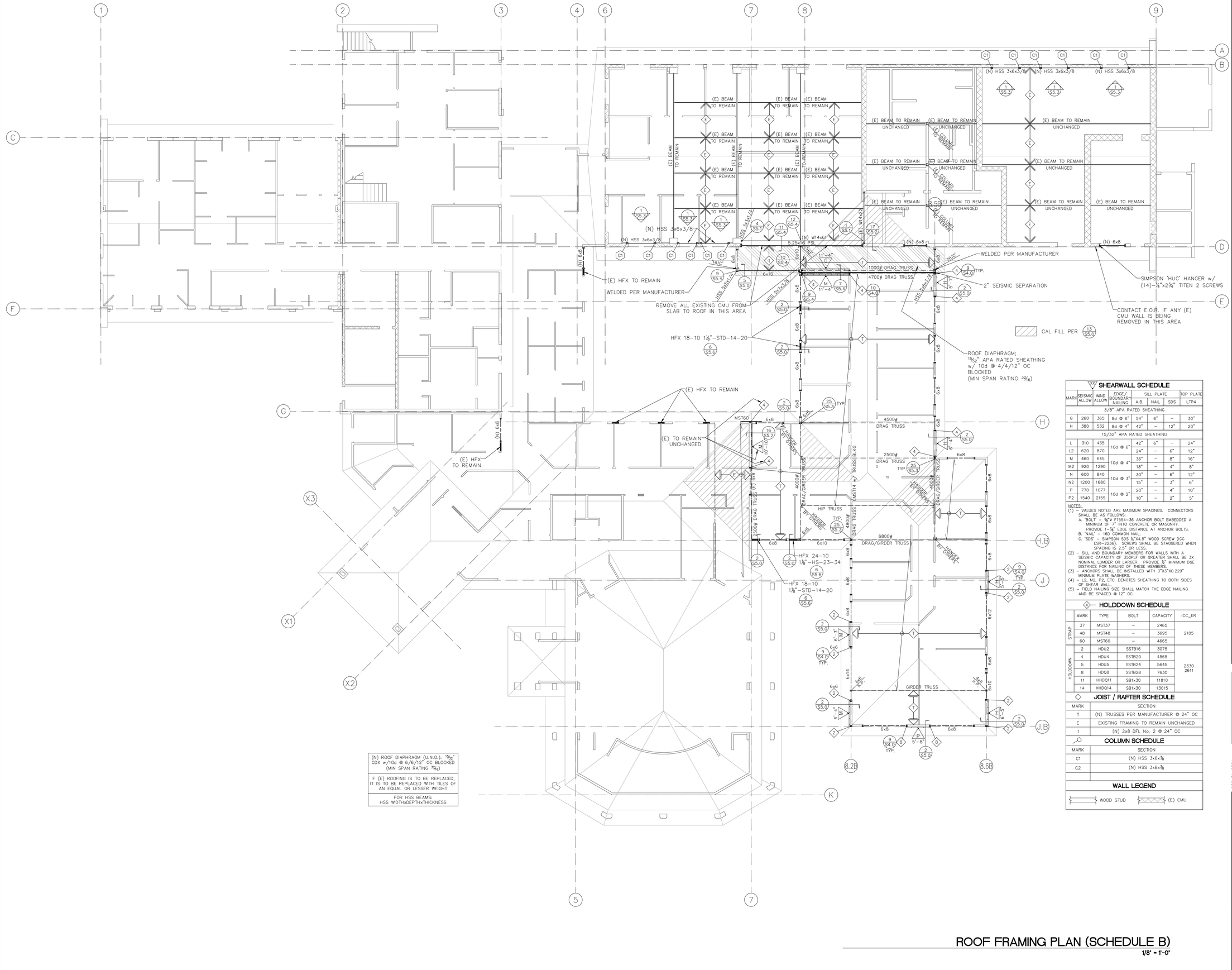
MAT SLAB REINFORCING PLAN	

S1.1B

MAT SLAB REINFORCING PLAN (SCHEDULE B)

1/8" = 1'-0"



(N) ROOF DIAPHRAGM (U.N.O.): 15/32" CDX w/10d @ 6/6/12" OC BLOCKED (MIN SPAN RATING 32/16)

IF (E) ROOFING IS TO BE REPLACED, IT IS TO BE REPLACED WITH TILES OF AN EQUAL OR LESSER WEIGHT

FOR HSS BEAMS: HSS WIDTHxDEPTHxTHICKNESS

SHEARWALL SCHEDULE

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	11	HHDQ11	SB1x30	11810	
	14	HHDQ14	SB1x30	13015	

JOIST / RAFTER SCHEDULE

MARK	SECTION
T	(N) TRUSSES PER MANUFACTURER @ 24" OC
E	EXISTING FRAMING TO REMAIN UNCHANGED
1	(N) 2x8 DFL No. 2 @ 24" OC

COLUMN SCHEDULE

MARK	SECTION
C1	(N) HSS 3x6x⅜
C2	(N) HSS 3x8x⅜

WALL LEGEND

WOOD STUD | (E) CMU

BID SET
NOT FOR CONSTRUCTION
08/30/2018

WYNN ENGINEERING

REGISTERED PROFESSIONAL ENGINEER STEVE D. REID JR No. 5800 Exp. 12-31-19 STRUCTURAL STATE OF CALIFORNIA

NO.	DATE	REVISION

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OLIVENHAIN - NEW AND REMODELED OPERATIONS AND ADMINISTRATION FACILITIES
BID SET
1966 OLIVENHAIN ROAD
ENCINITAS, CA 92024

HB&A Architects
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LICENSED ARCHITECT C-18627 06/30/19 STATE OF CALIFORNIA

DRAWN	CHECKED
JPC	SDR
PROJECT NO.	
1516	
DATE	
08.23.18	
SHEET NAME	
ROOF FRAMING PLAN	

S2.0B

ROOF FRAMING PLAN (SCHEDULE B)
1/8" = 1'-0"

VARIABLE REFRIGERANT VOLUME SYSTEM - 3

VRV OUTDOOR UNITS (VRV-3)

SYSTEM	MANUFACTURER & MODEL NO.	SYSTEM CLG CAPACITY		SYSTEM HTG CAPACITY		SYSTEM EFFICIENCY			REFRIG	OUTDOOR MODULE										
		SYSTEM (TONS)	CONNECTED (TONS)	SYSTEM (MBH)	CONNECTED (MBH)	CLG. E.E.R.	CLG. I.E.E.R.	HTG. H.S.P.F.		REFRIG CHARGE (LBS)	ADD'L CHARGE (LBS)	MARK	MODEL	TOTAL COOLING CAPACITY (TONS)	HEATING CAPACITY (MBH)	ELECTRICAL DATA V/Ph/Hz	MOCP	MCA	OPER. WT. (LBS)	REMARKS
VRV-3	TRANE 4TVR0240	20	19.75	270	260.3	10.6	19.1	10.9	R-410A	32.6	–	VRV 3A	4TVR0072	6	77	208/3/60	35	28.0	425	1 4 5 8 9
												VRV 3B	4TVR0168	14	189	208/3/60	80	66.0	750	1 4 5 8

VRV HEAT RECOVERY UNITS (VRV-3)

MARK	MODEL NO.	SERVICE	NUMBER OF PORTS	REFRIG	ELECTRICAL DATA V/Ph/Hz	MFA	MCA	OPER. WT. (LBS)	REMARKS
HR 3.01	TRANE 4MCUTV4A548B1A	FC 3.01, FC 3.02, FC 3.03, FC 3.06	4	R410A	208/1/60	15	2	75	1 8
HR 3.02	TRANE 4MCUTV4A548B1A	FC 3.04, FC 3.05	4	R410A	208/1/60	15	2	75	1 8
HR 3.03	TRANE 4MCUTV4A548B1A	FC 3.07, FC 3.08, FC 3.09, FC 3.10	4	R410A	208/1/60	15	2	75	1 8

VRV FAN COIL UNITS (VRV-3)

MARK	MODEL NO.	SERVICE	NOMINAL CAPACITY (TONS)	AIRFLOW (CFM)	OSA (CFM)	ESP (IN. WG)	COIL CAPACITIES – AHRI CONDITIONS TOTAL COOLING CAPACITY (MBH)	SENS. COOLING CAPACITY (MBH)	HEATING CAP (MBH)	FILTER EFF.	FILTER INITIAL RES.	FILTER FINAL RES.	ELECTRICAL DATA V/Ph/Hz	MOCP	MCA	OPER. WT. (LBS)	REMARKS
FC 3.01	TRANE 4TVD0018	OFFICES 168/169 170/171	1.75	515	60	0.6	18.0	13.8	20.0	MERV-8	0.2"	0.5"	208/1/60	15	1.1	100	1 3 6 7 8
FC 3.02	TRANE 4TVD0024	OFFICES 185/186/187 CORRIDOR	2.0	655	125	0.6	24.0	18.3	27.0	MERV-8	0.2"	0.5"	208/1/60	15	4.3	100	1 2 3 6 7 8
FC 3.03	TRANE 4TVD0012	SMALL CONFERENCE 184	1.0	355	125	0.6	12.0	9.1	13.5	MERV-8	0.2"	0.5"	208/1/60	15	1.1	100	1 3 6 7 8
FC 3.04																	
FC 3.05	TRANE 4TVD0012	OFFICES 172/173/174/175 CORRIDOR	2.0	655	120	0.6	24.0	18.3	27.0	MERV-8	0.2"	0.5"	208/1/60	15	4.3	150	1 2 3 6 7 8
FC 3.06	TRANE 4TVD0018	OFFICE 176 COPIER 177 CORRIDOR	1.75	515	80	0.6	18.0	13.8	20.0	MERV-8	0.2"	0.5"	208/1/60	15	1.1	100	1 2 3 6 7 8
FC 3.07	TRANE 4TVD0018	LARGE CONFERENCE 178	1.75	515	180	0.6	18.0	13.8	20.0	MERV-8	0.2"	0.5"	208/1/60	15	1.1	100	1 3 6 7 8
FC 3.08	TRANE 4TVD0012	OFFICE 179	1.0	355	45	0.6	12.0	9.1	13.5	MERV-8	0.2"	0.5"	208/1/60	15	1.1	100	1 3 6 7 8
FC 3.09	TRANE 4TVD0012	OFFICE 180/181	1.0	355	50	0.6	12.0	9.1	13.5	MERV-8	0.2"	0.5"	208/1/60	15	1.1	100	1 3 6 7 8
FC 3.10	TRANE 4TVD0012	OFFICE 183 STORAGE 182	1.0	355	35	0.6	12.0	9.1	13.5	MERV-8	0.2"	0.5"	208/1/60	15	1.1	100	1 3 6 7 8

EXISTING VARIABLE REFRIGERANT VOLUME SYSTEM - 2 (BLDG B)

(EXISTING) VRV OUTDOOR UNITS (VRV-2)

SYSTEM	MANUFACTURER	SYSTEM CLG CAPACITY		SYSTEM HTG CAPACITY		SYSTEM EFFICIENCY			REFRIG	OUTDOOR MODULE										
		SYSTEM (TONS)	CONNECTED (TONS)	SYSTEM (MBH)	CONNECTED (MBH)	CLG. E.E.R.	CLG. I.E.E.R.	HTG. H.S.P.F.		REFRIG CHARGE (LBS)	ADD'L CHARGE (LBS)	MARK	MODEL	TOTAL COOLING CAPACITY (TONS)	HEATING CAPACITY (MBH)	ELECTRICAL DATA V/Ph/Hz	MOCP	MCA	OPER. WT. (LBS)	REMARKS
VRV-2	TRANE 4TVR0192	18	16.5	216	220.5	10.6	19.1	10.9	R-410A	24.3	27	VRV-2	4TVR0192	18	216	208/3/60	35	28.0	775	

(EXISTING) VRV HEAT RECOVERY UNITS (VRV-2)

MARK	MODEL NO.	SERVICE	NUMBER OF PORTS	REFRIG	ELECTRICAL DATA V/Ph/Hz	MFA	MCA	OPER. WT. (LBS)	REMARKS
HR-2.01	TRANE 4MCUTV4A548B1A	FC 2.01, FC 2.02, FC 2.03, FC 2.05	4	R410A	208/1/60	15	2	75	
HR-2.02	TRANE 4MCUTV4A548B1A	FC 2.04, FC 2.06, FC 2.07	4	R410A	208/1/60	15	2	75	
HR-2.03	TRANE 4MCUTV4A548B1A	FC 2.08, FC 2.09, FC 2.10, FC 2.11	4	R410A	208/1/60	15	2	75	

(EXISTING) VRV FAN COIL UNITS (VRV-2)

MARK	MODEL NO.	SERVICE	NOMINAL CAPACITY (TONS)	AIRFLOW (CFM)	OSA (CFM)	ESP (IN. WG)	COIL CAPACITIES – AHRI CONDITIONS TOTAL COOLING CAPACITY (MBH)	SENS. COOLING CAPACITY (MBH)	HEATING CAP (MBH)	FILTER EFF.	FILTER INITIAL RES.	FILTER FINAL RES.	ELECTRICAL DATA V/Ph/Hz	MOCP	MCA	OPER. WT. (LBS)	REMARKS
FC-2.01	TRANE 4TVD0015	PLAN ROOM 144 CORRIDOR	1.25	425	80	0.6	15.0	11.4	17.0	MERV-8	0.2"	0.5"	208/1/60	15	1.1	100	
FC-2.02	TRANE 4TVD0012	OFFICES 154/155/156	1.0	355	45	0.6	12.0	9.1	13.5	MERV-8	0.2"	0.5"	208/1/60	15	1.1	100	
FC-2.03	TRANE 4TVD0024	BREAKROOM 167	2.0	670	85	0.6	24.0	18.3	27.0	MERV-8	0.2"	0.5"	208/1/60	15	4.3	100	10
FC-2.04	TRANE 4TVD0048	OPEN OFFICE	4.0	1,240	230	0.8	48.0	35.7	54.0	MERV-8	0.2"	0.5"	208/1/60	15	4.3	150	
FC-2.05	TRANE 4TVD0012	OFFICES 146/147	1.0	355	40	0.6	12.0	9.1	13.5	MERV-8	0.2"	0.5"	208/1/60	15	1.1	100	
FC-2.06	TRANE 4TVD0012	OFFICES 148/149/150	1.0	355	50	0.6	12.0	9.1	13.5	MERV-8	0.2"	0.5"	208/1/60	15	1.1	100	
FC-2.07	TRANE 4TVD0012	CONFERENCE 151	1.0	355	150	0.6	12.0	9.1	13.5	MERV-8	0.2"	0.5"	208/1/60	15	1.1	100	
FC-2.08	TRANE 4TVW0007	STORAGE 166	0.5	320			7.5	6.0	8.5	MERV-8	0.2"	0.5"	208/1/60	15	1.375	100	
FC-2.09	TRANE 4TVD0048	ACTIVITY 163	4.0	1,240	335	0.8	48.0	35.7	54.0	MERV-8	0.2"	0.5"	208/1/60	15	4.3	150	
FC-2.10	TRANE 4TVD0012	ACTIVITY CUBICLES STORAGE 164	1.0	355	70	0.6	12.0	9.1	13.5	MERV-8	0.2"	0.5"	208/1/60	15	1.1	100	

VRV SYSTEM NOTES

1. REFER TO M3.1B FOR REFRIGERANT PIPING SCHEMATIC
2. PROVIDE SMOKE DETECTOR IN SUPPLY AIR DUCT PER CMC 608.1. POWER REQUIREMENTS ARE 120V/1PH/60HZ. REFER TO ELECTRICAL PLANS FOR POWER.
3. PROVIDE WITH PROGRAMMABLE THERMOSTAT. FOR THERMOSTAT LOCATIONS REFER TO M2.0 AND ARCHITECTURAL PLANS. PROVIDE WITH MANUFACTURER INTEGRATED CONDENSATE PUMP. FACTORY PROVIDED PUMP, WIRING, AND CONTROLS. FIELD INSTALLED.
4. PROVIDE OUTDOOR UNIT CABINET, CU/CU COILS OR AL/CU COILS WITH COASTAL COATING PROTECTION (MINIMUM OF 2,000 HR SALT SPRAY TEST).
5. CONTRACTOR TO MOUNT OUTDOOR UNIT ON FIELD FABRICATED EQUIPMENT PAD. REFER TO ARCHITECTURAL PLANS FOR DETAILS.
6. REFER TO PLUMBING PLANS FOR CONDENSATE CONNECTION AND DRAINAGE REQUIREMENTS.
7. PROVIDE WITH MANUFACTURER SUPPLIED FILTER RACK/MODULE WITH FILTER PER SCHEDULES.
8. VRV SYSTEM SHALL BE PROVIDED WITH FULL PORT ISOLATION VALVES FOR "SHUT OFF DUTY" AT ALL REFRIGERANT CONNECTION POINTS, INCLUDING BUT NOT LIMITED TO VRF OUTDOOR MODULES, HR MODULE PORTS AND FAN COIL CONNECTIONS.
9. VRV SYSTEM TO BE SUPPLIED WITH COMBINED STAND-ALONE BMS SYSTEM WITH GRAPHICAL TOUCHSCREEN FRONT END. REFER TO CONTROLS PLANS FOR NOTES AND REQUIREMENTS.
10. RELOCATED FANCOIL. SALVAGE EXISTING WALL MOUNTED THERMOSTAT. ROUTE NEW REFRIGERATNT PIPING AS REQUIRED.

BID SET
NOT FOR CONSTRUCTION
08/30/2018

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OLIVENHAIN - NEW AND REMODELED OPERATIONS AND ADMINISTRATION FACILITIES

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LICENSED ARCHITECT STATE OF CALIFORNIA RENEWAL 08/31/19 LIC. 18627

DRAWN	CHECKED
DEC	AG

PROJECT NO. 1516
DATE 08.24.18

M0.2B

SHEET NAME MECHANICAL SCHEDULES

BIM 360://OMWD-Ops and Admin/1704 OMWD Ops and Admin.rvt
8/30/2018 7:38:51 AM

EXISTING EXHAUST FAN SCHEDULE

MARK	MANUFACTURER & MODEL NO.	LOCATION	SERVICE	TYPE	AIRFLOW (CFM)	TSP (IN.)	FAN (RPM)	SONES	ELECTRICAL V / PH / HZ	ELECTRICAL HP	OPER. WT. (LBS.)	REMARKS
EF-1	GREENHECK CUE-131-VG	BUILDING D ROOF	GENERAL BUILDING EXHAUST	CENT. UPBLAST	1,330	0.75	1,366	12.1	208/1/60	1/2	75	
EF-2	GREENHECK G-183-VG	BUILDING D ROOF	BOARDROOM & COFFEE	CENT. DOWNBLAST	2,270	0.5	794	7.9	208/1/60	3/4	125	
EF-3	GREENHECK SQ-85-VG	BUILDING D	SERVER CLOSET	CENT. INLINE	200	0.25	1,131	4.4	115/1/60	1/10	75	
EF-4	GREENHECK SQ-120-VG	BUILDING B	BREAKROOM	CENT. INLINE	500	0.25	746	2.0	208/1/60	1/2	75	(1)
EF-5	GREENHECK SQ-85-VG	BUILDING B	COMM CLOSET 145	CENT. INLINE	200	0.25	1,131	4.4	115/1/60	1/10	75	
EF 6	GREENHECK G-060-VG	BUILDING B	JANITORS CLOSET	CENT. DOWNBLAST	50	0.25	1,345	2.6	115/1/60	1/10	50	(2)(3)

REMARKS

(1) RELOCATED EXHAUST FAN. SALVAGE HANGING KIT WITH NEOPRENE VIBRATION ISOLATORS. PROVIDE NEW DUCTWORK AND ADJUST TO INDICATED AIRFLOW.

(2) CONTRACTOR TO PROVIDE WITH 12" TALL ROOF CURB WITH INTEGRAL GRAVITY BACKDRAFT DAMPER.

(3) PROVIDE WITH FAN EC MOTOR WITH MOTOR MOUNTED SPEED CONTROLLER WITH LOW VOLTAGE CONTROLS CONNECTIONS FOR REMOTE BMS START.

GRAVITY VENTILATOR

MARK	MANUFACTURER & MODEL NO.	LOCATION	SERVICE	TYPE	CFM	TSP (IN.)	THROAT SIZE (IN.)	THROAT VEL. (FPM)	OPER. WT. (LBS.)	REMARKS
GV 4	GREENHECK GRSI-20	ROOF	OSA	INTAKE	830	0.023	20	369	50	(1)
GV 5	GREENHECK GRSR-16	ROOF	EXHAUST	RELIEF	500	0.013	16	345	50	(1)

REMARKS:

(1) CONTRACTOR TO PROVIDE WITH 12" TALL SLOPED ROOF CURB AND BACKDRAFT DAMPER.

AIR DISTRIBUTION DEVICE SCHEDULE

MARK	MANUF. & MODEL	SERVICE	NECK SIZE	AIRFLOW (CFM)	FACE SIZE	CEILING TYPE	TYPE	FINISH	REMARKS
A	TITUS MCD	SUPPLY	6x6 8x8 10x10 12x12 14x14	0 - 100 101 - 200 201 - 375 376 - 600 601 - 750	24x24	LAY-IN T-BAR	MODULAR CORE DIFFUSER	OFF-WHITE	4-WAY THROW UNLESS NOTED OTHERWISE. PROVIDE WITH SQUARE TO ROUND FLEXIBLE DUCT ADAPTER WHEN CONNECTED TO ROUND DUCTWORK.
B	TITUS 8FF	RETURN/ EXHAUST	20x20	AS NOTED ON	24x24	LAY-IN T-BAR	PERFORATED FACE CEILING GRILLE WITH 1-INCH FILTER RACK	OFF-WHITE	PROVIDE WITH SQUARE TO ROUND FLEXIBLE DUCT ADAPTER WHEN CONNECTED TO ROUND DUCTWORK. PROVIDE WITH 1-INCH THICK MERV-8 PLEATED FILTER.
B1	TITUS PAR	RETURN/ EXHAUST	SEE REMARKS		24x24	LAY-IN T-BAR	PERFORATED FACE CEILING GRILLE	OFF-WHITE	NECK SIZE TO MATCH INLET DUCT SIZE UNLESS NOTED OTHERWISE.
C	TITUS 300RL	SUPPLY	MATCH DUCT INLET SIZE	AS NOTED ON PLANS	VARIES	GYP. BD.	SURFACE MTD. SURFACE REGISTER	OFF-WHITE	LOUVERED FACE, ADJUSTABLE DOUBLE DEFLECTION 3/4" SPACED BLADES.
D	TITUS 350RL	RETURN/ EXHAUST	MATCH DUCT INLET SIZE	AS NOTED ON PLANS	VARIES	GYP. BD. SIDE WALL	SURFACE MTD. EXHAUST REGISTER	OFF-WHITE	LOUVERED FACE, FIXED 35 DEGREE DEFLECTION 3/4" SPACED BLADE RETURN REGISTER.
E	TITUS FL-115-JT	SUPPLY	8"	120-480	4'-0" LONG	GYP. BD.	LINEAR SLOT DIFFUSER 1-SLOT AT 1.5" WIDE	OFF-WHITE	PROVIDE WITH CONCEALED FRAME AND FIELD FABRICATED LINED PLENUM.
F	TITUS FL-120-JT	SUPPLY/RETURN	8"	140-740	6'-0" LONG	SIDE WALL	LINEAR SLOT DIFFUSER 1-SLOT AT 2.0" WIDE	OFF-WHITE	PROVIDE WITH CONCEALED FRAME AND FIELD FABRICATED LINED PLENUM.
G	TITUS FL-120-JT	EXHAUST	10"	150-1050	8'-0" LONG	SIDE WALL	LINEAR SLOT DIFFUSER 1-SLOT AT 2.0" WIDE	OFF-WHITE	PROVIDE WITH CONCEALED FRAME AND FIELD FABRICATED LINED PLENUM.
H	TITUS TMRA	SUPPLY	6" 8" 10" 12" 14"	0 - 149 150 - 199 200 - 274 275 - 425 425 - 550	VARIES	DUCT MOUNTED	ROUND DIFFUSER	OFF-WHITE	ADJUSTABLE HORIZONTAL 360 DEGREE DISCHARGE. NC LEVELS TO BE 25 AND BELOW.

NEW SUPPLY FAN SCHEDULE

MARK	MANUFACTURER & MODEL NO.	LOCATION	SERVICE	TYPE	AIRFLOW (CFM)	TSP (IN.)	FAN (RPM)	SONES	ELECTRICAL V / PH / HZ	ELECTRICAL HP	OPER. WT. (LBS.)	REMARKS
SF 3	GREENHECK SQ-120-VG	NEW BUILDING	OSA	CENT. INLINE	830	0.5	1,121	5.6	208/1/60	1/2	75	(1)(2)

REMARKS

(1) PROVIDE WITH MANUFACTURED SUPPLIED HANGING KIT WITH NEOPRENE VIBRATION ISOLATORS.

(2) PROVIDE WITH FAN EC MOTOR WITH MOTOR MOUNTED SPEED CONTROLLER WITH LOW VOLTAGE CONTROLS CONNECTIONS FOR REMOTE BMS START.

BID SET
NOT FOR CONSTRUCTION
08/30/2018

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DEC PROJECT #4628

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NO.	DATE	REVISION

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OLIVENHAIN - NEW AND REMODELED OPERATIONS AND ADMINISTRATION FACILITIES

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REGISTERED LICENSED ARCHITECT TREVOR J. PAWSON C-18627 06/30/19 STATE OF CALIFORNIA

DRAWN	CHECKED
DEC	AG

PROJECT NO. 1316

DATE 08.24.18

M0.3B

SHEET NAME MECHANICAL SCHEDULES

BIM 360://OMWD-Ops and Admin/1706 OMWD Ops and Admin.rvt
8/30/2018 1:38:05 AM

Project Name:	Olivenhain Expansion - Schedule B	NRCC-PRF-01-E	Page 3 of 27
Project Address:	1966 Olivenhain Road Encinitas 92024	Calculation Date/Time:	15:49, Tue, Nov 21, 2017
Compliance Scope:	ExistingAdditionAndAlteration	Input File Name:	Olivenhain - Schedule B (7.2 ONLY).cibd16x

G. COMPLIANCE PATH & CERTIFICATE OF COMPLIANCE SUMMARY

Identify which building components use the performance or prescriptive path for compliance. "NA"= not in project

For components that utilize the performance path, indicate the sheet number that includes mandatory notes on plans.

Building Component	Compliance Path		Compliance Forms *(required for submittal)*	Location of Mandatory Notes on Plans
Envelope	☒	Performance	NRCC-PRF-ENV-DETAILS (section of the NRCC-PRF-01-E)	REFER TO ARCHITECTURAL PLANS FOR DETAILS
	☐	Prescriptive	NRCC-ENV-01 / 02 / 03 / 04 / 05 / 06-E	
	☐	NA		
Mechanical	☒	Performance	NRCC-PRF-MCH-DETAILS (section of the NRCC-PRF-01-E)	M0.2B-M0.3B
	☐	Prescriptive	NRCC-MCH-01 / 02 / 03 / 04 / 05 / 06 / 07-E	
	☐	NA		
Domestic Hot Water	☒	Performance	NRCC-PRF-PLB-DETAILS (section of the NRCC-PRF-01-E)	P0.2B
	☐	Prescriptive	NRCC-PLB-01-E	
	☐	NA		
Lighting (Indoor Conditioned)	☐	Performance	NRCC-PRF-LTI-DETAILS (section of the NRCC-PRF-01-E)	REFER TO ELECTRICAL PLANS FOR DETAILS
	☒	Prescriptive	NRCC-LTI-01 / 02 / 03 / 04 / 05-E	
	☐	NA		
Covered Process: Commercial Kitchens	☐	Performance	S2 (section of the NRCC-PRF-01-E)	
	☐	Prescriptive	NRCC-PRC-01/ 03-E	
	☒	NA		
Covered Process: Computer Rooms	☐	Performance	S3 (section of the NRCC-PRF-01-E)	
	☐	Prescriptive	NRCC-PRC-01/ 04-E	
	☒	NA		
Covered Process: Laboratory Exhaust	☐	Performance	S4 (section of the NRCC-PRF-01-E)	
	☐	Prescriptive	NRCC-PRC-01/ 09-E	
	☒	NA		

Project Name:	Olivenhain Expansion - Schedule B	NRCC-PRF-01-E	Page 2 of 27
Project Address:	1966 Olivenhain Road Encinitas 92024	Calculation Date/Time:	15:49, Tue, Nov 21, 2017
Compliance Scope:	ExistingAdditionAndAlteration	Input File Name:	Olivenhain - Schedule B (7.2 ONLY).cibd16x

C. PRIORITY PLAN CHECK/ INSPECTION ITEMS (in order of highest to lowest TDV energy savings)

1st	Indoor Fans: Check envelope and mechanical
2nd	Space Cooling: Check envelope and mechanical
3rd	Domestic Hot Water: Check mechanical
4th	Heat Rejection: Check envelope and mechanical
5th	Pumps & Misc.: Check mechanical
6th	Indoor Lighting: Check lighting
7th	Space Heating: Check envelope and mechanical

Compliance Margin By Energy Component (from Table B column 4)

D. EXCEPTIONAL CONDITIONS

The aged solar reflectance and aged thermal emittance must be listed in the Cool Roof Rating Council database of certified products. For projects where initial reflectance is used, the initial reflectance must be listed, and the aged reflectance is calculated by the software program and used in the compliance model.

This project uses the Simplified Geometry Performance Modeling Approach which is not capable of modeling daylighting controls and assumes the prescriptive Secondary Daylit Control requirements are met. PRESCRIPTIVE COMPLIANCE documentation (form NRCC-LTI-02-E) for the requirements of section 140.6(d) Automatic Daylighting Controls in Secondary Daylit Zones is required.

This project includes Domestic Hot Water in the analysis. Please verify that Domestic Hot Water is included in the design for the permitted scope of work.

E. HERS VERIFICATION

This Section Does Not Apply

F. ADDITIONAL REMARKS

None Provided

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Compliance Scope:	ExistingAdditionAndAlteration	Input File Name:	Olivenhain - Schedule B (7.2 ONLY).cibd16x

A. PROJECT GENERAL INFORMATION

1.	Project Location (city)	Encinitas	**8.**	Standards Version	Compliance2016
2.	CA Zip Code	92024	**9.**	Compliance Software (version)	EnergyPro 7.2
3.	Climate Zone	7	**10.**	Weather File	CARLSBAD_722927_CZ2010.epw
4.	Total Conditioned Floor Area in Scope	5,635 ft²	**11.**	Building Orientation (deg)	(N) 0 deg
5.	Total Unconditioned Floor Area	0 ft²	**12.**	Permitted Scope of Work	ExistingAdditionAndAlteration
6.	Total # of Stories (Habitable Above Grade)	1	13	Building Type(s)	Nonresidential
7.	Total # of dwelling units	0	14	Gas Type	NaturalGas

B. COMPLIANCE RESULTS FOR PERFORMANCE COMPONENTS (Annual TDV Energy Use, kBtu/ft ²-yr) § 140.1

BUILDING COMPLIES

1. Energy Component	2. Standard Design (TDV)	3. Proposed Design (TDV)	4. Compliance Margin (TDV)	5. Percent Better than Standard
Space Heating	3.94	5.16	-1.22	-31.0%
Space Cooling	49.99	16.62	33.37	66.8%
Indoor Fans	87.73	21.75	65.98	75.2%
Heat Rejection	--	--	--	--
Pumps & Misc.	--	--	--	--
Domestic Hot Water	21.43	21.42	0.01	0.0%
Indoor Lighting	51.38	51.38	--	0.0%
COMPLIANCE TOTAL	**214.47**	**116.33**	**98.14**	**45.8%**
Receptacle	110.20	110.20	0.0	0.0%
Process	12.00	12.00	0.0	0.0%
Other Ltg	--	--	--	--
Process Motors	--	--	--	--
TOTAL	**336.67**	**238.53**	**98.1**	**29.2%**

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H. CERTIFICATE OF INSTALLATION, CERTIFICATE OF ACCEPTANCE & CERTIFICATE OF VERIFICATION SUMMARY (NRCI/NRCA/NRCV) –
Documentation Author to indicate which Certificates must be submitted for the features to be recognized for compliance
(Retain copies and verify forms are completed and signed to post in field for Field Inspector to verify).
See Tables G. and H. in MCH and LTI Details Sections for Acceptance Tests and forms by equipment.

Building Component	Compliance Forms *(required for submittal)*	Confirmed: Pass	Confirmed: Fail
Covered Process	☐ NRCI-PRC-01-E Covered Processes	☐	☐
	☐ NRCA-PRC-01-F- Compressed Air Systems	☐	☐
	☐ NRCA-PRC-02-F- Kitchen Exhaust	☐	☐
	☐ NRCA-PRC-03-F- Garage Exhaust	☐	☐
	☐ NRCA-PRC-04-F- Refrigerated Warehouse- Evaporator Fan Motor Controls	☐	☐
	☐ NRCA-PRC-05-F- Refrigerated Warehouse- Evaporative Condenser Controls	☐	☐
	☐ NRCA-PRC-06-F- Refrigerated Warehouse- Air Cooled Condenser Controls	☐	☐
	☐ NRCA-PRC-07F- Refrigerated Warehouse- Variable Speed Compressor	☐	☐
	☐ NRCA-PRC-08-F- Electrical Resistance Underslab Heating System	☐	☐

I. ENVELOPE GENERAL INFORMATION (See NRCC-PRF-ENV-DETAILS for more information)

1.	Total Conditioned Floor Area	5,635 ft²	**5.**	Number of Floors Above Grade	1
2.	Total Unconditioned Floor Area	0 ft²	**6.**	Number of Floors Below Grade	0
3.	Addition Conditioned Floor Area	3,850 ft²			
4.	Addition Unconditioned Floor Area	0 ft²			

7. Opaque Surfaces & Orientation	8. Total Gross Surface Area	9. Total Fenestration Area	10. Window to Wall Ratio	Confirmed: Pass	Confirmed: Fail
North Wall	1,120 ft²	216 ft²	19.3%	☐	☐
East Wall	980 ft²	244 ft²	24.9%	☐	☐
South Wall	840 ft²	196 ft²	23.3%	☐	☐
West Wall	240 ft²	48 ft²	20.0%	☐	☐
Total	**3,180 ft²**	**704 ft²**	**22.1%**	☐	☐
Roof	5,635 ft²	0 ft²	00.0%	☐	☐

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H. CERTIFICATE OF INSTALLATION, CERTIFICATE OF ACCEPTANCE & CERTIFICATE OF VERIFICATION SUMMARY (NRCI/NRCA/NRCV) –
Documentation Author to indicate which Certificates must be submitted for the features to be recognized for compliance
(Retain copies and verify forms are completed and signed to post in field for Field Inspector to verify).
See Tables G. and H. in MCH and LTI Details Sections for Acceptance Tests and forms by equipment.

Building Component	Compliance Forms *(required for submittal)*	Confirmed: Pass	Confirmed: Fail
Plumbing	☒ NRCI-PLB-01-E - For all buildings with Plumbing Systems	☐	☐
	☐ NRCI-PLB-02-E - required on central systems in high-rise residential, hotel/motel application.	☐	☐
	☐ NRCI-PLB-03-E - Single dwelling unit systems in high-rise residential, hotel/motel application.	☐	☐
	☐ NRCI-PLB-21-E - HERS verified central systems in high-rise residential, hotel/motel application.	☐	☐
	☐ NRCI-PLB-22-E - HERS verified single dwelling unit systems in high-rise residential, hotel/motel application.	☐	☐
	☐ NRCV-PLB-21-H- HERS verified central systems in high-rise residential, hotel/motel application.	☐	☐
	☐ NRCV-PLB-22-H - HERS verified single dwelling unit systems in high-rise residential, hotel/motel application.	☐	☐
	☐ NRCI-STH-01-E - Any solar water heating	☐	☐
Indoor Lighting	☐ NRCI-LTI-01-E - For all buildings	☐	☐
	☐ NRCI-LTI-02-E - Lighting control system, or for an Energy Management Control System (EMCS)	☐	☐
	☐ NRCI-LTI-03-E - Line-voltage track lighting integral current limiter, or for a supplementary overcurrent protection panel used to energize only line-voltage track lighting	☐	☐
	☐ NRCI-LTI-04-E - Two interlocked systems serving an auditorium, a convention center, a conference room, or a theater	☐	☐
	☐ NRCI-LTI-05-E - Lighting Control Credit Power Adjustment Factor (PAF)	☐	☐
	☐ NRCI-LTI-06-E - Additional wattage installed in a video conferencing studio	☐	☐
	☐ NRCA-LTI-02-A - Occupancy sensors and automatic time switch controls.	☐	☐
	☒ NRCA-LTI-03-A - Automatic daylighting controls	☐	☐
	☐ NRCA-LTI-04-A - Demand responsive lighting controls	☐	☐
Outdoor Lighting	☐ NRCI-LTO-01-E – Outdoor Lighting	☐	☐
	☐ NRCI-LTO-02-E- EMCS Lighting Control System	☐	☐
	☐ NRCA-LTO-02-A - Outdoor Lighting Control	☐	☐
Sign Lighting	☐ NRCI-LTS-01-E – Sign Lighting	☐	☐
Electrical	☐ NRCI-ELC-01-E - Electrical Power Distribution	☐	☐
Photovoltaic	☐ NRCI-SPV-01-E Photovoltaic Systems	☐	☐

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H. CERTIFICATE OF INSTALLATION, CERTIFICATE OF ACCEPTANCE & CERTIFICATE OF VERIFICATION SUMMARY (NRCI/NRCA/NRCV) –
Documentation Author to indicate which Certificates must be submitted for the features to be recognized for compliance
(Retain copies and verify forms are completed and signed to post in field for Field Inspector to verify).
See Tables G. and H. in MCH and LTI Details Sections for Acceptance Tests and forms by equipment.

Building Component	Compliance Forms *(required for submittal)*	Confirmed: Pass	Confirmed: Fail
Envelope	☒ NRCI-ENV-01-E - For all buildings	☐	☐
	☒ NRCA-ENV-02-F- NFRC label verification for fenestration	☐	☐
Mechanical	☒ NRCI-MCH-01-E - For all buildings with Mechanical Systems	☐	☐
	☒ NRCA-MCH-02-A- Outdoor Air	☐	☐
	☒ NRCA-MCH-03-A – Constant Volume Single Zone HVAC	☐	☐
	☐ NRCA-MCH-04-H- Air Distribution Duct Leakage	☐	☐
	☐ NRCA-MCH-05-A- Air Economizer Controls	☐	☐
	☐ NRCA-MCH-06-A- Demand Control Ventilation	☐	☐
	☒ NRCA-MCH-07-A – Supply Fan Variable Flow Controls	☐	☐
	☐ NRCA-MCH-08-A- Valve Leakage Test	☐	☐
	☐ NRCA-MCH-09-A – Supply Water Temp Reset Controls	☐	☐
	☐ NRCA-MCH-10-A- Hydronic System Variable Flow Controls	☐	☐
	☐ NRCA-MCH-11-A – Auto Demand Shed Controls	☐	☐
	☐ NRCA-MCH-12-A- Packaged Direct Expansion Units	☐	☐
	☐ NRCA-MCH-13-A- Air Handling Units and Zone Terminal Units	☐	☐
	☐ NRCA-MCH-14-A- Distributed Energy Storage	☐	☐
	☐ NRCA-MCH-15-A – Thermal Energy Storage	☐	☐
	☐ NRCA-MCH-16-A- Supply Air Temp Reset Controls	☐	☐
	☐ NRCA-MCH-17-A – Condensate Water Temp Reset Controls	☐	☐
	☐ NRCA-MCH-18-A- Energy Management Controls Systems	☐	☐
	☐ NRCV-MCH-04-H- Duct Leakage Test	☐	☐

BID SET
NOT FOR CONSTRUCTION
08/30/2018

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[2] *Simple Systems must complete NRCC-CXR-03-E commissioning design review form*
[3] *Complex Systems must complete NRCC-CXR-04-E commissioning design review form*
[4] *A summary of which acceptance tests are applicable is provided in NRCC-PRF-MCH-DETAILS*
[5] *Status: N - New, A – Altered, E – Existing*

Wet System Equipment [1]								*Pumps*					Confirmed	
12.	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	24.		
Equip Name	Equip Type	Qty	Vol (gal)	Rated Capacity (kBtu/h)	Efficiency	Standby Loss	Tank Ext. R Value	Qty	GPM	HP	VSD (Y/N)	Status[2]	Pass	Fail
BRADFORD WHITE LE265T3-32	Storage	1	65.00	12	EF: 0.80	SBLF: NA	NA		NA		No	E	☐	☐

[1] *Wet System Equipment includes boilers, chillers, cooling towers, water heaters, etc.*
[2] *Status: N - New, A – Altered, E – Existing*

Discrepancy between modeled and designed equipment sizing? (if "Yes", see Table F. "Additional Remarks" for an explanation)	No

N. ECONOMIZER & FAN SYSTEMS SUMMARY[1] § 140.4

1.	2.	3.					4.					5.	Confirmed	
Equip Name	Outside Air	Supply Fan					Return Fan					Economizer Type (if present)	Pass	Fail
	CFM	CFM	HP	BHP	TSP (inch WC)	Control	CFM	HP	BHP	TSP (inch WC)	Control			
FC-2.02 (VRV-2)	45	355	0.147	0.147	1.31	VariableSpeedDrive	NA	NA	NA	NA	NA	NoEconomizer	☐	☐
FC-2.03 (VRV-2)	55	655	0.293	0.293	1.42	VariableSpeedDrive	NA	NA	NA	NA	NA	NoEconomizer	☐	☐
FC-2.04 (VRV-2)	168	1230	0.293	0.293	0.76	VariableSpeedDrive	NA	NA	NA	NA	NA	NoEconomizer	☐	☐
FC 3.01 (VRV-3)	57	515	0.147	0.147	0.90	VariableSpeedDrive	NA	NA	NA	NA	NA	NoEconomizer	☐	☐
FC 3.02 (VRV-3)	122	515	0.147	0.147	0.90	VariableSpeedDrive	NA	NA	NA	NA	NA	NoEconomizer	☐	☐
FC 3.03 (VRV-3)	185	355	0.147	0.147	1.31	VariableSpeedDrive	NA	NA	NA	NA	NA	NoEconomizer	☐	☐
FC 3.04 (VRV-3)	83	355	0.147	0.147	1.31	VariableSpeedDrive	NA	NA	NA	NA	NA	NoEconomizer	☐	☐
FC 3.05 (VRV-3)	35	355	0.147	0.147	1.31	VariableSpeedDrive	NA	NA	NA	NA	NA	NoEconomizer	☐	☐
FC 3.06 (VRV-3)	80	515	0.147	0.147	0.90	VariableSpeedDrive	NA	NA	NA	NA	NA	NoEconomizer	☐	☐
FC 3.07 (VRV-3)	360	515	0.147	0.147	0.90	VariableSpeedDrive	NA	NA	NA	NA	NA	NoEconomizer	☐	☐

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M. HVAC SYSTEM SUMMARY (see NRCC-PRF-MCH-DETAILS for more information) § 110.1 / § 110.2

Dry System Equipment [1] (Fan & Economizer info included below in Table N)

1.	2.	3.	4.	5.	6.	7.	8.	9.		10.	11.	Confirmed	
Equip Name	Equip Type	System Type (Simple [2] or Complex [3])	Qty	Total Heating Output (kBtu/h)	Supp Heat Source (Y/N)	Supp Heat Output (kBtuh)	Total Cooling Output (kBtu/h)	Efficiency: Cooling	Efficiency: Heating	Acceptance Testing Required? (Y/N) [4]	Status[5]	Pass	Fail
FC-2.02 (VRV-2)	SZVAVHP (Packaged3Phase)	Complex	1	14	No	0	12	SEER-15.00 / EER-9.50	HSPF-10.90	No	E	☐	☐
FC-2.03 (VRV-2)	SZVAVHP (Packaged3Phase)	Complex	1	27	No	0	23	SEER-15.00 / EER-9.50	HSPF-10.90	No	E	☐	☐
FC-2.04 (VRV-2)	SZVAVHP (Packaged3Phase)	Complex	1	54	No	0	46	SEER-15.00 / EER-9.50	HSPF-10.90	No	E	☐	☐
FC 3.01 (VRV-3)	SZVAVHP (Packaged3Phase)	Complex	1	20	No	0	17	SEER-15.00 / EER-9.50	HSPF-10.90	Yes	N	☐	☐
FC 3.02 (VRV-3)	SZVAVHP (Packaged3Phase)	Complex	1	20	No	0	17	SEER-15.00 / EER-9.50	HSPF-10.90	Yes	N	☐	☐
FC 3.03 (VRV-3)	SZVAVHP (Packaged3Phase)	Complex	1	14	No	0	12	SEER-15.00 / EER-9.50	HSPF-10.90	Yes	N	☐	☐
FC 3.04 (VRV-3)	SZVAVHP (Packaged3Phase)	Complex	1	14	No	0	12	SEER-15.00 / EER-9.50	HSPF-10.90	Yes	N	☐	☐
FC 3.05 (VRV-3)	SZVAVHP (Packaged3Phase)	Complex	1	14	No	0	12	SEER-15.00 / EER-9.50	HSPF-10.90	Yes	N	☐	☐
FC 3.06 (VRV-3)	SZVAVHP (Packaged3Phase)	Complex	1	20	No	0	17	SEER-15.00 / EER-9.50	HSPF-10.90	Yes	N	☐	☐
FC 3.07 (VRV-3)	SZVAVHP (Packaged3Phase)	Complex	1	20	No	0	17	SEER-15.00 / EER-9.50	HSPF-10.90	Yes	N	☐	☐
FC 3.08 (VRV-3)	SZVAVHP (Packaged3Phase)	Complex	1	14	No	0	12	SEER-15.00 / EER-9.50	HSPF-10.90	Yes	N	☐	☐
FC 3.09 (VRV-3)	SZVAVHP (Packaged3Phase)	Complex	1	14	No	0	12	SEER-15.00 / EER-9.50	HSPF-10.90	Yes	N	☐	☐
FC 3.10 (VRV-3)	SZVAVHP (Packaged3Phase)	Complex	1	14	No	0	12	SEER-15.00 / EER-9.50	HSPF-10.90	Yes	N	☐	☐

[1] *Dry System Equipment includes furnaces, air handling units, heat pumps, etc.*

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J. FENESTRATION ASSEMBLY SUMMARY § 110.6

1.	2.	3.	4.	5.	6.	7.	8.	9.	Confirmed	
Fenestration Assembly Name / Tag or I.D.	Fenestration Type / Product Type / Frame Type	Certification Method[1]	Assembly Method	Area ft²	Overall U-factor	Overall SHGC	Overall VT	Status[2]	Pass	Fail
Solarban 90 clear+clear	VerticalFenestration FixedWindow N/A	NFRC Rated	SiteBuilt	704	0.47	0.23	0.51	N	☐	☐

[1] *Newly installed fenestration shall have a certified NFRC Label Certificate or use the CEC default tables found in Table 110.6-A and Table 110.6-B. Center of Glass (COG) values are for the glass-only, determined by the manufacturer, and are shown for ease of verification. Site-built fenestration values are calculated per Nonresidential Appendix NA6 and are used in the analysis.*
[2] *Status: N - New, A – Altered, E – Existing*

Taking compliance credit for fenestration shading devices? (if "Yes", see NRCC-PRF-ENV-DETAILS for more information)	No

K. OPAQUE SURFACE ASSEMBLY SUMMARY § 120.7/ § 140.3

1.	2.	3.	4.	5.	6.	7.	8.	Confirmed	
Surface Name	Surface Type	Area (ft²)	Framing Type	Cavity R-Value	Continuous R-Value	U-Factor / F-Factor / C-Factor	Status[1]	Pass	Fail
(E) Slab On Grade6	UndergroundFloor	1785	NA	0	NA	F-Factor: 0.730	E	☐	☐
(E) R-19 Roof Attic8	Roof	1785	Wood	19	NA	U-Factor: 0.046	E	☐	☐
New exterior wall (R-19)10	ExteriorWall	3180	Wood	19	NA	U-Factor: 0.068	N	☐	☐
(N) R-30 Roof Attic32	Roof	3850	Wood	30	NA	U-Factor: 0.032	N	☐	☐
Slab On Grade34	UndergroundFloor	3850	NA	0	NA	F-Factor: 0.730	N	☐	☐

[1] *Status: N - New, A – Altered, E – Existing*

L. ROOFING PRODUCT SUMMARY § 140.3

1.	2.	3.	4.	5.	6.	7.	Confirmed	
Product Type	Product Density (lb/ft²)	Aged Solar Reflectance	Thermal Emittance	SRI	Cool Roof Credit	Roofing Product Description	Pass	Fail
(E) R-19 Roof Attic8	7.130	0.08	0.75	NA	No	NA	☐	☐
(N) R-30 Roof Attic32	7.130	0.29	0.91	Not Provided	Yes	CRRC Prod. ID: (N) R-30 Roof Attic	☐	☐

DEC ENGINEERS
7360 CARROLL ROAD, STE. 100
SAN DIEGO, CA 92121
P: 858 578.3270 F: 858 578.3273
DEC PROJECT #4628

REGISTERED PROFESSIONAL ENGINEER CHRISTOPHER D. DECK NO.M30087 EXP. 9/18 MECHANICAL STATE OF CALIFORNIA

NO.	DATE	REVISION

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OLIVENHAIN - NEW AND REMODELED OPERATIONS AND ADMINISTRATION FACILITIES

BID SET

1966 OLIVENHAIN ROAD
ENCINITAS, CA 92024

HB&A Architects
306-N WEST EL NORTE PRKWY., #407
ESCONDIDO, CA 92026
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LICENSED ARCHITECT MARK LEWIS BAKER C-18627 06/30/19 STATE OF CALIFORNIA

DRAWN	CHECKED	
DEC	AG	M0.4B
PROJECT NO. 1516		
DATE 08.24.18		
SHEET NAME: BUILDING A - TITLE 24 - SCHEDULE B		

BIM 360://OMWD-Ops and Admin/1704 OMWD Ops and Admin.rvt
8/30/2018 7:38:51 AM

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O. EQUIPMENT CONTROLS § 120.2			Confirmed	
1.	2.	3.	Pass	Fail
Equip Name	Equip Type	Controls		
FC 3.07 (VRV-3)	SZVAVHP	No DCV Controls No Economizer No Supply Air Temp. Control No Optimum Start No Evaporative Cooler No Heat Recovery	☐	☐
FC 3.08 (VRV-3)	SZVAVHP	No DCV Controls No Economizer No Supply Air Temp. Control Optimum Start No Evaporative Cooler No Heat Recovery	☐	☐
FC 3.09 (VRV-3)	SZVAVHP	No DCV Controls No Economizer No Supply Air Temp. Control Optimum Start No Evaporative Cooler No Heat Recovery	☐	☐
FC 3.10 (VRV-3)	SZVAVHP	No DCV Controls No Economizer No Supply Air Temp. Control Optimum Start No Evaporative Cooler No Heat Recovery	☐	☐
Olivenhain Expansion - Sc1 - SHW	Service Hot Water, Primary Only	Fixed Temperature Control, No DDC No Heat Recovery	☐	☐

P. SYSTEM DISTRIBUTION SUMMARY § 120.4/ § 140.4(l)								
		Dry System Distribution					Confirmed	
1.	2.	3.	4.	5.		6.	Pass	Fail
Equip Name	Equip Type	Duct Leakage and Sealing Required per 140.4(l)	Duct Leakage will be verified per NA1 and NA2	Ducts: Insulation R-Value	Ducts: Location	Status[1]		
FC-2.02 (VRV-2)	SZVAVHP	No	No	4.2	Conditioned	E	☐	☐

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O. EQUIPMENT CONTROLS § 120.2			Confirmed	
1.	2.	3.	Pass	Fail
Equip Name	Equip Type	Controls		
FC 3.01 (VRV-3)	SZVAVHP	No DCV Controls No Economizer No Supply Air Temp. Control No Optimum Start No Evaporative Cooler No Heat Recovery	☐	☐
FC 3.02 (VRV-3)	SZVAVHP	No DCV Controls No Economizer No Supply Air Temp. Control No Optimum Start No Evaporative Cooler No Heat Recovery	☐	☐
FC 3.03 (VRV-3)	SZVAVHP	No DCV Controls No Economizer No Supply Air Temp. Control Optimum Start No Evaporative Cooler No Heat Recovery	☐	☐
FC 3.04 (VRV-3)	SZVAVHP	No DCV Controls No Economizer No Supply Air Temp. Control Optimum Start No Evaporative Cooler No Heat Recovery	☐	☐
FC 3.05 (VRV-3)	SZVAVHP	No DCV Controls No Economizer No Supply Air Temp. Control Optimum Start No Evaporative Cooler No Heat Recovery	☐	☐
FC 3.06 (VRV-3)	SZVAVHP	No DCV Controls No Economizer No Supply Air Temp. Control No Optimum Start No Evaporative Cooler No Heat Recovery	☐	☐

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N. ECONOMIZER & FAN SYSTEMS SUMMARY[1] § 140.4															Confirmed	
1.	2.	3.						4.					5.		Pass	Fail
Equip Name	Outside Air	Supply Fan						Return Fan					Economizer Type (if present)			
	CFM	CFM	HP	BHP	TSP (inch WC)	Control		CFM	HP	BHP	TSP (inch WC)	Control				
FC 3.08 (VRV-3)	41	355	0.147	0.147	1.31	VariableSpeedDrive		NA	NA	NA	NA	NA	NoEconomizer		☐	☐
FC 3.09 (VRV-3)	48	355	0.147	0.147	1.31	VariableSpeedDrive		NA	NA	NA	NA	NA	NoEconomizer		☐	☐
FC 3.10 (VRV-3)	32	355	0.147	0.147	1.31	VariableSpeedDrive		NA	NA	NA	NA	NA	NoEconomizer		☐	☐

[1] *Mechanical ventilation calculations and exhaust fans are included in the NRCC-PRF-MCH-DETAILS section*

O. EQUIPMENT CONTROLS § 120.2			Confirmed	
1.	2.	3.	Pass	Fail
Equip Name	Equip Type	Controls		
FC-2.02 (VRV-2)	SZVAVHP	No DCV Controls No Economizer No Supply Air Temp. Control Optimum Start No Evaporative Cooler No Heat Recovery	☐	☐
FC-2.03 (VRV-2)	SZVAVHP	No DCV Controls No Economizer No Supply Air Temp. Control Optimum Start No Evaporative Cooler No Heat Recovery	☐	☐
FC-2.04 (VRV-2)	SZVAVHP	No DCV Controls No Economizer No Supply Air Temp. Control Optimum Start No Evaporative Cooler No Heat Recovery	☐	☐

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NRCC-PRF-ENV-DETAILS -SECTION START-

A. OPAQUE SURFACE ASSEMBLY DETAILS				Confirmed	
1.	2.	3.	4.	Pass	Fail
Surface Name	Surface Type	Description of Assembly Layers	Notes		
(E) Slab On Grade6	UndergroundFloor	Slab Type = UnheatedSlabOnGrade Insulation Orientation = None Insulation R-Value = R0		☐	☐
(E) R-19 Roof Attic8	Roof	Clay tile - 1/2 in. Vapor permeable felt - 1/8 in. Plywood - 1/2 in. Wood framed roof, 24in. OC, 5.5in., R-19 Gypsum Board - 5/8 in.		☐	☐
New exterior wall (R-19)10	ExteriorWall	Stucco - 7/8 in. Plywood - 1/2 in. Wood framed wall, 16in. OC, 5.5in., R-19 Gypsum Board - 5/8 in.		☐	☐
(N) R-30 Roof Attic32	Roof	Clay tile - 1/2 in. Vapor permeable felt - 1/8 in. Plywood - 1/2 in. Wood framed roof, 24in. OC, 9.25in., R-30 Gypsum Board - 5/8 in.		☐	☐
Slab On Grade34	UndergroundFloor	Slab Type = UnheatedSlabOnGrade Insulation Orientation = None Insulation R-Value = R0		☐	☐

B. OVERHANG DETAILS (Adapted from NRCC-ENV-02-E)					Confirmed	
1.	2.	3.		4.	Pass	Fail
Fenestration Tag/ID	Fenestration Orientation	Overhang Dimensions: Horizontal Projection	Overhang Dimensions: Distance Above Window	Side fin: Vertical Projection		
Window 6x411	East	3.0 ft.	1.0 ft.	Left: 100.0 ft., Right: 100.0 ft.	☐	☐
Window 4x415	East	1.0 ft.	1.0 ft.	Left: 100.0 ft., Right: 100.0 ft.	☐	☐
Window 6x419	East	1.0 ft.	1.0 ft.	Left: 100.0 ft., Right: 100.0 ft.	☐	☐
Window 6x430	South	2.0 ft.	1.0 ft.	Left: 100.0 ft., Right: 100.0 ft.	☐	☐

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DOCUMENTATION AUTHOR'S DECLARATION STATEMENT	§ 10-103
I certify that this Certificate of Compliance documentation is accurate and complete.	
Documentation Author Name: Courtney Rogers	Signature:
Company: DEC Engineers, Inc.	
Address: 7360 Carroll Road	Signature Date: 11/21/2017
City/State/Zip: San Diego CA 92121	CEA Identification (If applicable):
Phone: (858) 578-3270	

RESPONSIBLE PERSON'S DECLARATION STATEMENT

I certify the following under penalty of perjury, under the laws of the State of California:

1	I hereby affirm that I am eligible under the provisions of Division 3 of the Business and Professions Code to sign this document as the person responsible for its preparation; and that I am licensed in the State of California as a civil engineer, mechanical engineer, electrical engineer, or I am a licensed architect.
2	I affirm that I am eligible under the provisions of Division 3 of the Business and Professions Code by section 5537.2 or 6737.3 to sign this document as the person responsible for its preparation; and that I am a licensed contractor performing this work.
3	I affirm that I am eligible under Division 3 of the Business and Professions Code to sign this document because it pertains to a structure or type of work described as exempt pursuant to Business and Professions Code Sections 5537, 5538 and 6737.1.

Responsible Envelope Designer Name: Nathan Houck	**Signature:**	
Company: HB&A		
Address: 240 N. Market Place	Date Signed:	
City/State/Zip: Escondido CA 92029	Declaration Statement Type:	
Phone: (760) 738-8608	Title:	License #:
Responsible Lighting Designer Name:	**Signature: NOT IN SCOPE**	
Company:		
Address:	Date Signed:	
City/State/Zip:	Declaration Statement Type:	
Phone:	Title:	License #:
Responsible Mechanical Designer Name: Chris Deck	**Signature:**	
Company: DEC Engineers		
Address: 7360 Carroll Rd Suite 100	Date Signed: 11/21/2017	
City/State/Zip: San Diego CA 92121	Declaration Statement Type:	
Phone:	Title:	License #: M30087

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P. SYSTEM DISTRIBUTION SUMMARY § 120.4/ § 140.4(l)								
		Dry System Distribution					Confirmed	
1.	2.	3.	4.	5.		6.	Pass	Fail
Equip Name	Equip Type	Duct Leakage and Sealing Required per 140.4(l)	Duct Leakage will be verified per NA1 and NA2	Ducts: Insulation R-Value	Ducts: Location	Status[1]		
FC-2.03 (VRV-2)	SZVAVHP	No	No	4.2	Conditioned	E	☐	☐
FC-2.04 (VRV-2)	SZVAVHP	No	No	4.2	Conditioned	E	☐	☐
FC 3.01 (VRV-3)	SZVAVHP	No	No	8	Unconditioned	N	☐	☐
FC 3.02 (VRV-3)	SZVAVHP	No	No	8	Unconditioned	N	☐	☐
FC 3.03 (VRV-3)	SZVAVHP	No	No	8	Unconditioned	N	☐	☐
FC 3.04 (VRV-3)	SZVAVHP	No	No	8	Unconditioned	N	☐	☐
FC 3.05 (VRV-3)	SZVAVHP	No	No	8	Unconditioned	N	☐	☐
FC 3.06 (VRV-3)	SZVAVHP	No	No	8	Unconditioned	N	☐	☐
FC 3.07 (VRV-3)	SZVAVHP	No	No	8	Unconditioned	N	☐	☐
FC 3.08 (VRV-3)	SZVAVHP	No	No	8	Unconditioned	N	☐	☐
FC 3.09 (VRV-3)	SZVAVHP	No	No	8	Unconditioned	N	☐	☐
FC 3.10 (VRV-3)	SZVAVHP	No	No	8	Unconditioned	N	☐	☐

[1] *Status: N - New, E – Existing*

Does the Project Include Zonal Systems? (if "Yes", see NRCC-PRF-MCH-DETAILS for system information)	No
Does the Project Include a Solar Hot Water System? (if "Yes", see NRCC-PRF-MCH-DETAILS for system information)	No
Multifamily or Hotel/ Motel Occupancy? (if "Yes", see NRCC-PRF-MCH-DETAILS for DHW system information)	No

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A. MECHANICAL VENTILATION AND REHEAT *(Adapted from 2016-NRCC-MCH-03-E)* — 1. DESIGN AIR FLOWS; 2. VENTILATION (§ 120.1); Confirmed

CONDITIONED ZONE NAME	HEATING/COOLING SYSTEM ID	DESIGN PRIMARY AIR FLOW (CFM)	DESIGN PRIMARY MINIMUM AIR FLOW (CFM)	MINIMUM PRIMARY AIR FLOW FRACTION	MAXIMUM HEATING AIR FLOW (CFM)	MAXIMUM HEATING AIR FLOW FRACTION	DDC CONTROL (Y/N)	VENT SYSTEM ID	CONDITIONED AREA (ft2)	MIN. VENT PER AREA (CFM/ft2)	DESIGN NUM. OF PEOPLE	MIN. VENT PER PERSON (CFM/person)	REQ'D VENT AIR FLOW (CFM)	DESIGN VENT AIR FLOW (CFM)	TRANSFER AIRFLOW (CFM)	DCV (Y/N)	Operable Window Interlock § 140.4(n) (Y/N)	Pass	Fail
8-FC 3.05	FC 3.05 (VRV-3)	355	250	0.70	NA	NA	N	FC 3.05 (VRV-3)	230	NA	2.30	15.00	35	35	NA	N	NA	☐	☐
9-FC 3.06	FC 3.06 (VRV-3)	515	405	0.79	NA	NA	N	FC 3.06 (VRV-3)	535	NA	5.35	15.00	80	80	NA	N	NA	☐	☐
10-FC 3.07	FC 3.07 (VRV-3)	515	405	0.79	NA	NA	N	FC 3.07 (VRV-3)	360	NA	24.00	15.00	360	360	NA	N	NA	☐	☐
11-FC 3.08	FC 3.08 (VRV-3)	355	250	0.70	NA	NA	N	FC 3.08 (VRV-3)	270	NA	2.70	15.00	41	41	NA	N	NA	☐	☐
12-FC 3.09	FC 3.09 (VRV-3)	355	250	0.70	NA	NA	N	FC 3.09 (VRV-3)	320	NA	3.20	15.00	48	48	NA	N	NA	☐	☐
13-FC 3.10	FC 3.10 (VRV-3)	355	250	0.70	NA	NA	N	FC 3.10 (VRV-3)	210	NA	2.10	15.00	32	32	NA	N	NA	☐	☐
								TOTAL	5,635		NA		NA	NA	NA			☐	☐

B. ZONAL SYSTEM AND TERMINAL UNIT SUMMARY § 140.4													Confirmed	
1.	2.	3.	4.		5.	6.	7.			8.			Pass	Fail
System ID	System Type	Qty	Rated Capacity (kBtuh): Heating	Rated Capacity (kBtuh): Cooling	Economizer	Zone Name	Airflow (cfm): Design	Airflow (cfm): Min.	Airflow (cfm): Min. Ratio	Fan: BHP	Fan: Cycles	Fan: ECM Motor		
1-FC-2.02-Trm	VAVNoReheatBox	1	NA	NA	NA	1-FC-2.02	355	250	0.70	NA	NA	☐	☐	☐
2-FC-2.03-Trm	VAVNoReheatBox	1	NA	NA	NA	2-FC-2.03	655	550	0.84	NA	NA	☐	☐	☐
3-FC-2.04-Trm	VAVNoReheatBox	1	NA	NA	NA	3-FC-2.04	1230	0	NA	NA	NA	☐	☐	☐

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C. OPAQUE DOOR SUMMARY							Confirmed	
1.	2.	3.	4.	5.	6.	7.	Pass	Fail
Opaque Door Assembly Name / Tag or I.D.	Door Type	Certification Method	Operation	Area	Overall U-factor	Status[1]		
Wood Door22	WoodGreaterThanOrEqualTo1.75inThickDoor	DefaultPerformance	Swinging	105	0.303	N	☐	☐

[1] *Status: N - New, A – Altered, E – Existing*

NRCC-PRF-MCH-DETAILS -SECTION START-

A. MECHANICAL VENTILATION AND REHEAT *(Adapted from 2016-NRCC-MCH-03-E)* — 1. DESIGN AIR FLOWS; 2. VENTILATION (§ 120.1); Confirmed

CONDITIONED ZONE NAME	HEATING/COOLING SYSTEM ID	DESIGN PRIMARY AIR FLOW (CFM)	DESIGN PRIMARY MINIMUM AIR FLOW (CFM)	MINIMUM PRIMARY AIR FLOW FRACTION	MAXIMUM HEATING AIR FLOW (CFM)	MAXIMUM HEATING AIR FLOW FRACTION	DDC CONTROL (Y/N)	VENT SYSTEM ID	CONDITIONED AREA (ft2)	MIN. VENT PER AREA (CFM/ft2)	DESIGN NUM. OF PEOPLE	MIN. VENT PER PERSON (CFM/person)	REQ'D VENT AIR FLOW (CFM)	DESIGN VENT AIR FLOW (CFM)	TRANSFER AIRFLOW (CFM)	DCV (Y/N)	Operable Window Interlock § 140.4(n) (Y/N)	Pass	Fail
1-FC-2.02	FC-2.02 (VRV-2)	355	250	0.70	NA	NA	N	FC-2.02 (VRV-2)	300	NA	3.00	15.00	45	45	NA	N	NA	☐	☐
2-FC-2.03	FC-2.03 (VRV-2)	655	550	0.84	NA	NA	N	FC-2.03 (VRV-2)	365	NA	1.82	30.00	55	55	NA	N	NA	☐	☐
3-FC-2.04	FC-2.04 (VRV-2)	1,230	NA	NA	NA	NA	N	FC-2.04 (VRV-2)	1,120	NA	11.20	15.00	168	168	NA	N	NA	☐	☐
4-FC 3.01	FC 3.01 (VRV-3)	515	405	0.79	NA	NA	N	FC 3.01 (VRV-3)	380	NA	3.80	15.00	57	57	NA	N	NA	☐	☐
5-FC 3.02	FC 3.02 (VRV-3)	515	405	0.79	NA	NA	N	FC 3.02 (VRV-3)	810	NA	8.10	15.00	122	122	NA	N	NA	☐	☐
6-FC 3.03	FC 3.03 (VRV-3)	355	250	0.70	NA	NA	N	FC 3.03 (VRV-3)	185	NA	12.33	15.00	185	185	NA	N	NA	☐	☐
7-FC 3.04	FC 3.04 (VRV-3)	355	250	0.70	NA	NA	N	FC 3.04 (VRV-3)	550	NA	5.50	15.00	83	83	NA	N	NA	☐	☐

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B. OVERHANG DETAILS (Adapted from NRCC-ENV-02-E)					Confirmed	
1.	2.	3.		4.	Pass	Fail
Fenestration Tag/ID	Fenestration Orientation	Overhang Dimensions: Horizontal Projection	Overhang Dimensions: Distance Above Window	Side fin: Vertical Projection		
Window 6x436	South	2.0 ft.	1.0 ft.	Left: 100.0 ft., Right: 100.0 ft.	☐	☐
Window 6x440	South	2.0 ft.	1.0 ft.	Left: 100.0 ft., Right: 100.0 ft.	☐	☐
Window 6x444	South	2.0 ft.	1.0 ft.	Left: 100.0 ft., Right: 100.0 ft.	☐	☐
Window49	South	2.0 ft.	1.0 ft.	Left: 100.0 ft., Right: 0 ft.	☐	☐
Window51	North	2.0 ft.	1.0 ft.	Left: 0 ft., Right: 100.0 ft.	☐	☐
Window 6x457	North	2.0 ft.	1.0 ft.	Left: 0 ft., Right: 100.0 ft.	☐	☐
Window 6x461	North	2.0 ft.	1.0 ft.	Left: 0 ft., Right: 100.0 ft.	☐	☐
Window 6x465	North	2.0 ft.	1.0 ft.	Left: 0 ft., Right: 100.0 ft.	☐	☐
Window 6x475	West	2.0 ft.	1.0 ft.	Left: 100.0 ft., Right: 100.0 ft.	☐	☐
Window 6x486	East	2.0 ft.	1.0 ft.	Left: 100.0 ft., Right: 100.0 ft.	☐	☐
Window 10x490	East	2.0 ft.	1.0 ft.	Left: 100.0 ft., Right: 100.0 ft.	☐	☐
Window 3x494	South	2.0 ft.	1.0 ft.	Left: 100.0 ft., Right: 0 ft.	☐	☐
Window 6x499	South	2.0 ft.	1.0 ft.	Left: 100.0 ft., Right: 0 ft.	☐	☐
Window106	South	2.0 ft.	1.0 ft.	Left: 100.0 ft., Right: 0 ft.	☐	☐
Window 10x4108	East	2.0 ft.	1.0 ft.	Left: 0 ft., Right: 0 ft.	☐	☐
Window12x4110	South	2.0 ft.	1.0 ft.	Left: 100.0 ft., Right: 0 ft.	☐	☐
Window 6x4115	North	2.0 ft.	1.0 ft.	Left: 0 ft., Right: 0 ft.	☐	☐
Window 10x4118	East	2.0 ft.	1.0 ft.	Left: 0 ft., Right: 0 ft.	☐	☐
Window 10x4123	North	2.0 ft.	1.0 ft.	Left: 0 ft., Right: 0 ft.	☐	☐
Window 6x4127	North	2.0 ft.	1.0 ft.	Left: 0 ft., Right: 0 ft.	☐	☐
Window 6x4131	North	2.0 ft.	1.0 ft.	Left: 0 ft., Right: 0 ft.	☐	☐
Window 6x4135	North	2.0 ft.	1.0 ft.	Left: 0 ft., Right: 0 ft.	☐	☐
Window 6x4137	West	2.0 ft.	1.0 ft.	Left: 0 ft., Right: 100.0 ft.	☐	☐
Window 9x423	East	3.0 ft.	1.0 ft.	Left: 100.0 ft., Right: 100.0 ft.	☐	☐

BID SET
NOT FOR
CONSTRUCTION
08/30/2018

DEC ENGINEERS
7360 CARROLL ROAD, STE. 100
SAN DIEGO, CA 92121
P: 858 578.3270 F: 858 578.3273
DEC PROJECT #4628

REGISTERED PROFESSIONAL ENGINEER CHRISTOPHER D. DECK NO.M30087 EXP. 9/18 MECHANICAL STATE OF CALIFORNIA

NO.	DATE	REVISION

THE ARCHITECT, HB&A ARCHITECTS, INC (HB&A) HEREBY RESERVES ITS COMMON LAW COPYRIGHT AND OTHER PROPERTY RIGHTS. ALL IDEAS, DESIGNS, ARRANGEMENTS AND PLANS INDICATED OR REPRESENTED BY THESE DRAWINGS ARE OWNED BY AND ARE THE PROPERTY OF HB&A, AND WERE CREATED, EVOLVED AND DEVELOPED FOR THE USE IN CONNECTION WITH THE SPECIFIED PROJECT. THE IDEAS, DESIGNS, ARRANGEMENTS OR PLANS SHALL NOT BE ASSIGNED TO, USED BY, OR DISCLOSED TO ANY THIRD PARTY, FIRM OR CORPORATION, FOR ANY PURPOSE WHATSOEVER WITHOUT THE WRITTEN PERMISSION OF HB&A. FILING THESE DRAWINGS WITH ANY PUBLIC AGENCY IS NOT PUBLICATION OF SAME AND NO COPYING, REPRODUCTION OR USE THEREOF IS PERMISSABLE WITHOUT THE CONSENT OF HB&A. THE DRAWINGS ARE NOT TO BE CONSIDERED TO BE FINAL OR TO BE USED FOR CONSTRUCTION UNTIL SIGNED BY THE ARCHITECT.

OLIVENHAIN - NEW AND REMODELED OPERATIONS AND ADMINISTRATION FACILITIES

BID SET

1966 OLIVENHAIN ROAD
ENCINITAS, CA 92024

HB&A Architects
306-N WEST EL NORTE PRKWY., #407
ESCONDIDO, CA 92026
PHONE: (760) 738-8608 FAX: (760) 738-8619
EMAIL: mailbox@hba-architects.com

LICENSED ARCHITECT MARK LEWIS BAKER C-18627 06/30/19 STATE OF CALIFORNIA

DRAWN	CHECKED	
DEC	AG	
PROJECT NO. 1516		M0.5B
DATE 08.24.18		
SHEET NAME BUILDING A - TITLE 24 - SCHEDULE B		

BIM 360://OMWD-Ops and Admin/1704 OMWD Ops and Admin.rvt
8/30/2018 7:38:51 AM

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F. SOLAR HOT WATER HEATING SUMMARY (Adapted from NRCC-STH-01)

This Section Does Not Apply

G. MECHANICAL HVAC ACCEPTANCE TESTS & FORMS *(Adapted from 2016-NRCC-MCH-01-E)* § RA4

Declaration of Required Acceptance Certificates (NRCA) – Acceptance Certificates that may be submitted. (Retain copies and verify forms are completed and signed to post in field for Field Inspector to verify).

Test Description		MCH-02A	MCH-03A	MCH-04A	MCH-05A	MCH-06A	MCH-07A	MCH-08A	MCH-09A	MCH-10A	MCH-11A	MCH-12A	MCH-13A	MCH-14A	MCH-15A	MCH-16A	MCH-17A	MCH-18A	Confirmed	
Equipment Requiring Testing or Verification	# of units	Outdoor Air	Single Zone Unitary	Air Dist. Ducts	Economizer Controls	DCV	Supply Fan VAV	Valve leakage	Supply Water Temp. Reset	Hyd. Variable Flow Control	Auto Demand Shed Control	FDD for DX Units	Auto FDD for Air & Zone	Dist. Energy Storage DX AC	TES Systems	Supply Air Temp. Reset	Condenser Water Reset Controls	ECMS	Pass	Fail
Olivenhain Expansion - Sc1 - SHW	1	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	☐	☐
FC-2.02 (VRV-2)	1	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	☐	☐
FC-2.03 (VRV-2)	1	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	☐	☐
FC-2.04 (VRV-2)	1	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	☐	☐
FC 3.01 (VRV-3)	1	X	X	--	--	--	X	--	--	--	--	--	--	--	--	--	--	--	☐	☐
FC 3.02 (VRV-3)	1	X	X	--	--	--	X	--	--	--	--	--	--	--	--	--	--	--	☐	☐
FC 3.03 (VRV-3)	1	X	X	--	--	--	X	--	--	--	--	--	--	--	--	--	--	--	☐	☐
FC 3.04 (VRV-3)	1	X	X	--	--	--	X	--	--	--	--	--	--	--	--	--	--	--	☐	☐

ENVELOPE MANDATORY MEASURES: NONRESIDENTIAL — ENV-MM

Project Name	Date
Olivenhain Admin Expansion	*11/21/2017*

DESCRIPTION

Building Envelope Measures:

§110.8(a):	Installed insulating material shall have been certified by the manufacturer to comply with the California Quality Standards for insulating material, Title 20 Chapter 4, Article 3.
§110.8(c):	All Insulating Materials shall be installed in compliance with the flame spread rating and smoke density requirements of Sections 2602 and 707 of Title 24, Part 2.
§110.8(g):	Heated slab floors shall be insulated according to the requirements in Table 110.8-A.
§110.7(a):	All Exterior Joints and openings in the building that are observable sources of air leakage shall be caulked, gasketed, weatherstripped or otherwise sealed.
§110.6(a):	Manufactured fenestration products and exterior doors shall have air infiltration rates not exceeding 0.3 cfm/ft.² of window area, 0.3 cfm/ft.² of door area for residential doors, 0.3 cfm/ft.² of door area for nonresidential single doors (swinging and sliding), and 1.0 cfm/ft.² for nonresidential double doors (swinging).
§110.6(a):	Fenestration U-factor shall be rated in accordance with NFRC 100, or the applicable default U-factor.
§110.6(a) :	Fenestration SHGC shall be rated in accordance with NFRC 200, or NFRC 100 for site-built fenestration, or the applicable default SHGC.
§110.6(b):	Site Constructed Doors, Windows and Skylights shall be caulked between the unit and the building, and shall be weatherstripped (except for unframed glass doors and fire doors).
§120.7(a):	The opaque portions of the roof/ceiling that separates conditioned spaces from unconditioned spaces or ambient air shall meet the applicable U-Factor requirements as follows: **Metal Building-** The weighted average U-factor of the roof assembly shall not exceed 0.098. **Wood Framed and Others-** The weighted average U-factor of the roof assembly shall not exceed 0.075.
§120.7(b):	The opaque portions of walls that separate conditioned spaces from unconditioned spaces or ambient air shall meet the applicable U-factor as follows: **Metal Building-** The weighted average U-factor of the wall assembly shall not exceed 0.113. **Metal Framed-** The weighted average U-factor of the wall assembly shall not exceed 0.151. **Light Mass Walls-** A 6 inch or greater Hollow Core Concrete Masonry Unit shall have a U-factor not to exceed 0.440. **Heavy Mass Walls-** An 8 inch or greater Hollow Core Concrete Masonry Unit shall have a U-factor not to exceed 0.690. **Wood Framed and Others-** The weighted average U-factor of the wall assembly shall not exceed 0.110. **Spandrel Panels and Opaque Curtain Wall-** The weighted average U-factor of the spandrel panels and opaque curtain wall assembly shall not exceed 0.280. **Demising Walls-**. The opaque portions of framed demising walls shall meet the requirements of Item A or B below: A. Wood framed walls shall be insulated to meet a U-factor not greater than 0.099. B. Metal Framed walls shall be insulated to meet a U-factor not greater than 0.151.
§120.7(c):	The opaque portions of floors and soffits that separate conditioned spaces from unconditioned spaces or ambient air shall meet the applicable U-Factor requirements as follows: **Raised Mass Floors-** Shall have a minimum of 3 inches of lightweight concrete over a metal deck or the weighted average U-factor of the floor assembly shall not exceed 0.269. **Other Floors-**The weighted average U-factor of the floor assembly shall not exceed 0.071.

Project Name:	Olivenhain Expansion - Schedule B	NRCC-PRF-01-E	Page 23 of 27
Project Address:	1966 Olivenhain Road Encinitas 92024	Calculation Date/Time:	15:49, Tue, Nov 21, 2017
Compliance Scope:	ExistingAdditionAndAlteration	Input File Name:	Olivenhain - Schedule B (7.2 ONLY).cibd16x

B. ZONAL SYSTEM AND TERMINAL UNIT SUMMARY § 140.4

1.	2.	3.	4.		5.	6.	7.			8.			Confirmed	
System ID	System Type	Qty	Rated Capacity (kBtuh)		Economizer	Zone Name	Airflow (cfm)			Fan			Pass	Fail
			Heating	Cooling			Design	Min.	Min. Ratio	BHP	Cycles	ECM Motor		
4-FC 3.01-Trm	VAVNoReheatBox	1	NA	NA	NA	4-FC 3.01	515	405	0.79	NA	NA	☐	☐	☐
5-FC 3.02-Trm	VAVNoReheatBox	1	NA	NA	NA	5-FC 3.02	515	405	0.79	NA	NA	☐	☐	☐
6-FC 3.03-Trm	VAVNoReheatBox	1	NA	NA	NA	6-FC 3.03	355	250	0.70	NA	NA	☐	☐	☐
7-FC 3.04-Trm	VAVNoReheatBox	1	NA	NA	NA	7-FC 3.04	355	250	0.70	NA	NA	☐	☐	☐
8-FC 3.05-Trm	VAVNoReheatBox	1	NA	NA	NA	8-FC 3.05	355	250	0.70	NA	NA	☐	☐	☐
9-FC 3.06-Trm	VAVNoReheatBox	1	NA	NA	NA	9-FC 3.06	515	405	0.79	NA	NA	☐	☐	☐
10-FC 3.07-Trm	VAVNoReheatBox	1	NA	NA	NA	10-FC 3.07	515	405	0.79	NA	NA	☐	☐	☐
11-FC 3.08-Trm	VAVNoReheatBox	1	NA	NA	NA	11-FC 3.08	355	250	0.70	NA	NA	☐	☐	☐
12-FC 3.09-Trm	VAVNoReheatBox	1	NA	NA	NA	12-FC 3.09	355	250	0.70	NA	NA	☐	☐	☐
13-FC 3.10-Trm	VAVNoReheatBox	1	NA	NA	NA	13-FC 3.10	355	250	0.70	NA	NA	☐	☐	☐

C. EXHAUST FAN SUMMARY

This Section Does Not Apply

D. DHW EQUIPMENT SUMMARY – *(Adapted from NRCC-PLB-01)* § 110.3

1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Confirmed	
DHW Name	Heater Element Type	Tank Type	Qty	Tank Vol (gal)	Rated Input (kBtu/h)	Efficiency	Tank Insulation R-value (Int/Ext)	Standby Loss Fraction	Heat Pump Type	Tank Location or Ambient Condition	Pass	Fail
BRADFORD WHITE LE265T3-32	Electricity	Storage	1	65.00	12	EF: 0.80	NA	SBLF: NA	NA	NA	☐	☐

E. MULTI-FAMILY CENTRAL DHW SYSTEM DETAILS

This Section Does Not Apply

Project Name:	Olivenhain Expansion - Schedule B	NRCC-PRF-01-E	Page 25 of 27
Project Address:	1966 Olivenhain Road Encinitas 92024	Calculation Date/Time:	15:49, Tue, Nov 21, 2017
Compliance Scope:	ExistingAdditionAndAlteration	Input File Name:	Olivenhain - Schedule B (7.2 ONLY).cibd16x

G. MECHANICAL HVAC ACCEPTANCE TESTS & FORMS *(Adapted from 2016-NRCC-MCH-01-E)* § RA4

Declaration of Required Acceptance Certificates (NRCA) – Acceptance Certificates that may be submitted. (Retain copies and verify forms are completed and signed to post in field for Field Inspector to verify).

Test Description		MCH-02A	MCH-03A	MCH-04A	MCH-05A	MCH-06A	MCH-07A	MCH-08A	MCH-09A	MCH-10A	MCH-11A	MCH-12A	MCH-13A	MCH-14A	MCH-15A	MCH-16A	MCH-17A	MCH-18A	Confirmed	
Equipment Requiring Testing or Verification	# of units	Outdoor Air	Single Zone Unitary	Air Dist. Ducts	Economizer Controls	DCV	Supply Fan VAV	Valve leakage	Supply Water Temp. Reset	Hyd. Variable Flow Control	Auto Demand Shed Control	FDD for DX Units	Auto FDD for Air & Zone	Dist. Energy Storage DX AC	TES Systems	Supply Air Temp. Reset	Condenser Water Reset Controls	ECMS	Pass	Fail
FC 3.05 (VRV-3)	1	X	X	--	--	--	X	--	--	--	--	--	--	--	--	--	--	--	☐	☐
FC 3.06 (VRV-3)	1	X	X	--	--	--	X	--	--	--	--	--	--	--	--	--	--	--	☐	☐
FC 3.07 (VRV-3)	1	X	X	--	--	--	X	--	--	--	--	--	--	--	--	--	--	--	☐	☐
FC 3.08 (VRV-3)	1	X	X	--	--	--	X	--	--	--	--	--	--	--	--	--	--	--	☐	☐
FC 3.09 (VRV-3)	1	X	X	--	--	--	X	--	--	--	--	--	--	--	--	--	--	--	☐	☐
FC 3.10 (VRV-3)	1	X	X	--	--	--	X	--	--	--	--	--	--	--	--	--	--	--	☐	☐

H. EVAPORATIVE COOLER SUMMARY

This Section Does Not Apply

NRCC-PRF-LTI-DETAILS -SECTION START-

A. INDOOR CONDITIONED LIGHTING CONTROL CREDITS (Adapted from NRCC-LTI-02-E) § 140.6

This Section Does Not Apply

**BID SET
NOT FOR
CONSTRUCTION**
08/30/2018

DEC ENGINEERS
7360 CARROLL ROAD, STE. 100
SAN DIEGO, CA 92121
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REGISTERED PROFESSIONAL ENGINEER CHRISTOPHER D. DECK NO.M30087 EXP. 9/18 MECHANICAL STATE OF CALIFORNIA

NO.	DATE	REVISION

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OLIVENHAIN - NEW AND REMODELED OPERATIONS AND ADMINISTRATION FACILITIES

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DEC	AG	M0.6B
PROJECT NO. 1516		
DATE 08.24.18		

SHEET NAME: BUILDING A - TITLE 24 - SCHEDULE B

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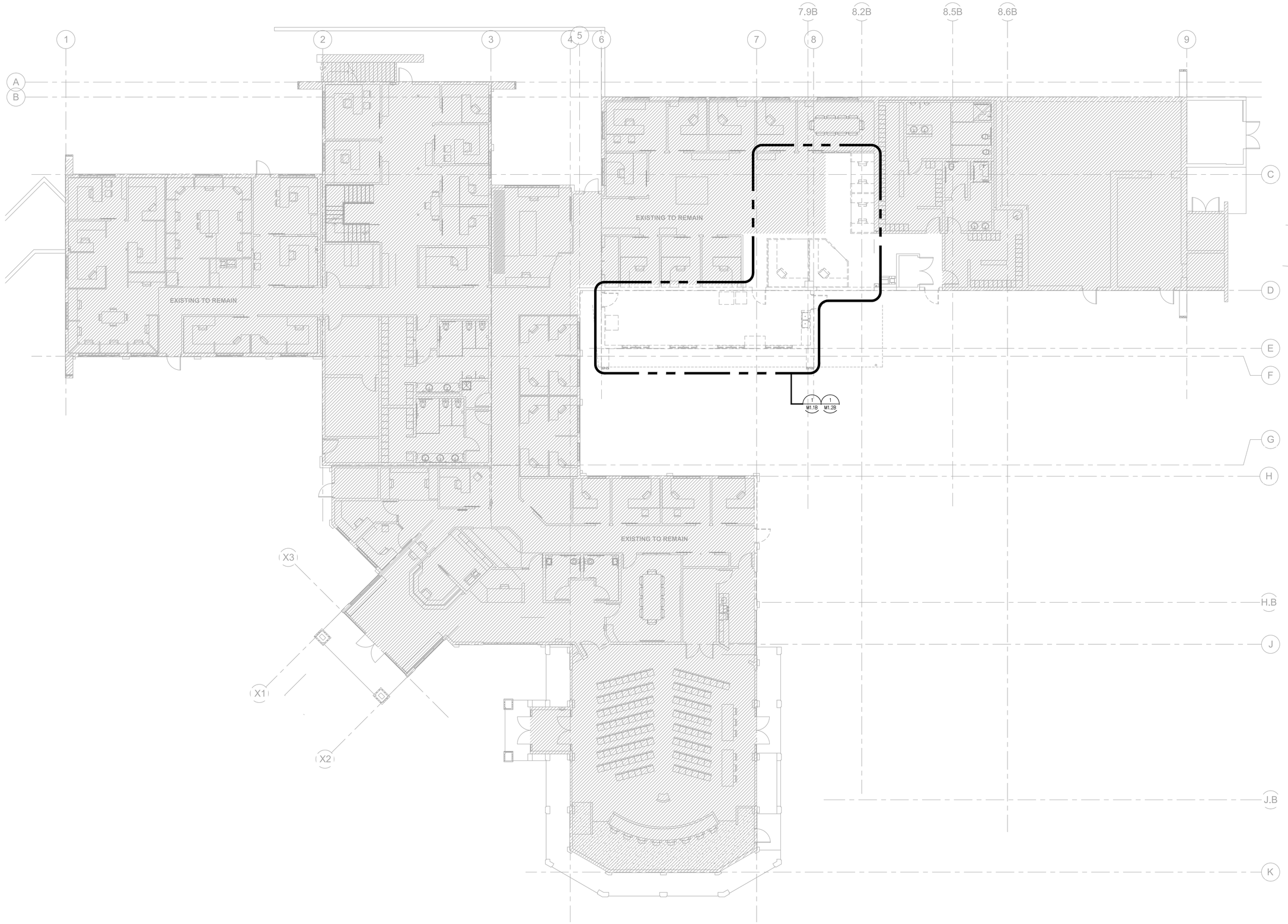

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DRAWN	CHECKED
DEC	AG

PROJECT NO. 1516

DATE 08.24.18

SHEET NAME MECHANICAL DEMOLITION OVERALL PLAN

M1.0B

SCALE 1/8" = 1'-0"

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MECHANICAL DEMOLITION OVERALL PLAN

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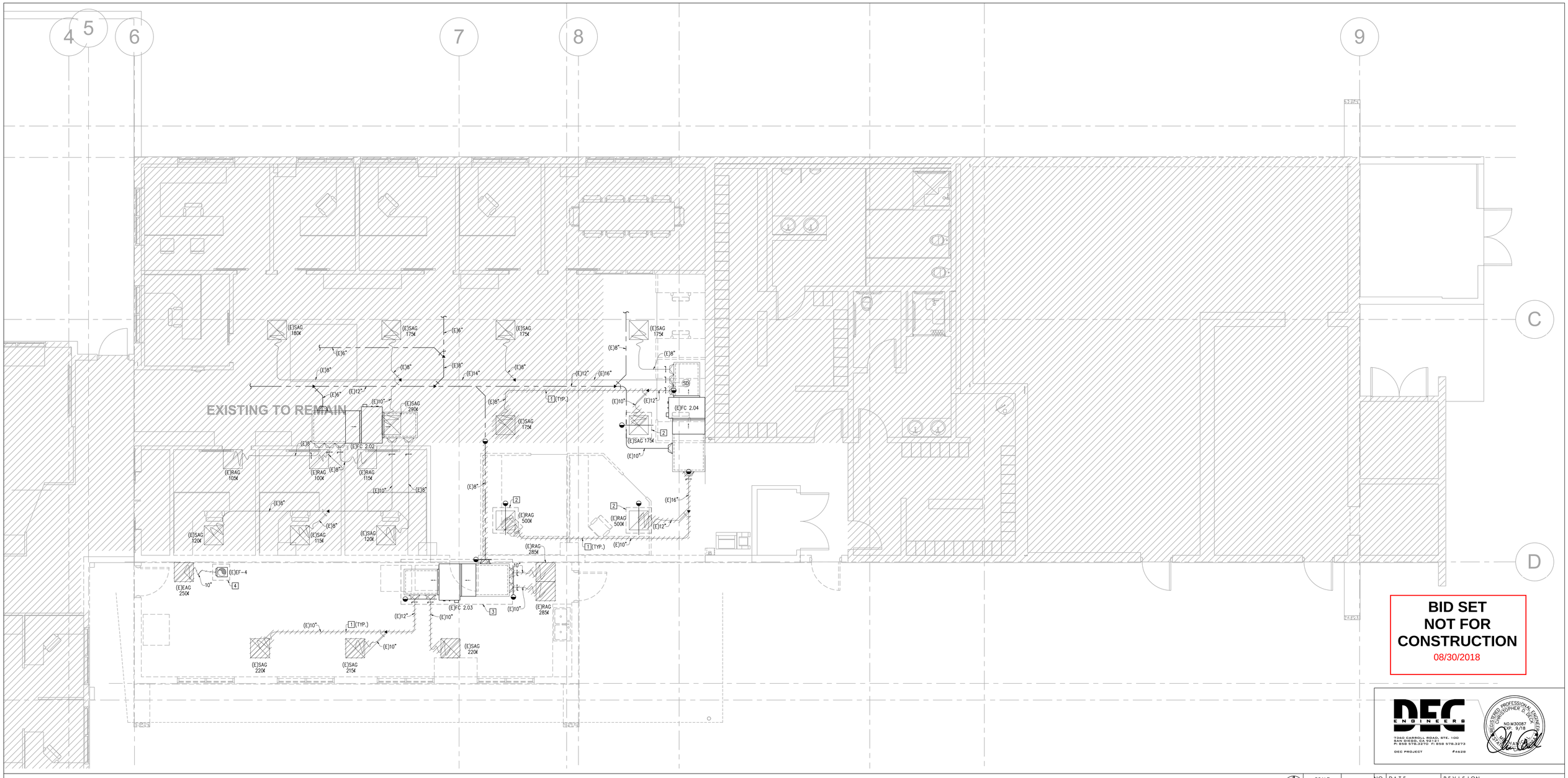

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NO.M30087
EXP. 9/18
MECHANICAL

MECHANICAL DEMOLITION FIRST FLOOR PLAN - BUILDING B

SCALE 1/4" = 1'-0" | 1

NO.	DATE	REVISION

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DEMOLITION NOTES

1. DISCONNECT AND REMOVE EXISTING DUCTWORK, CONTROLS, WIRING, & THERMOSTATS DENOTED BY HATCHING.
2. DISCONNECT AND SALVAGE EXISTING DIFFUSERS AND GRILLES. REFER TO NEW WORK PLANS FOR RELOCATION.
3. DISCONNECT AND SALVAGE EXISTING FAN COIL & PLENUMS. REFER TO NEW WORK PLANS FOR RELOCATION.
4. DISCONNECT AND SALVAGE EXISTING EXHAUST FAN. REFER TO NEW WORK PLANS FOR RELOCATION.

GENERAL NOTES

-

OLIVENHAIN - NEW AND REMODELED OPERATIONS AND ADMINISTRATION FACILITIES

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LEWIS BARR
C-18627
06/30/19

DRAWN	CHECKED
DEC	AG
PROJECT NO. 1516	
DATE 08.24.18	
SHEET NO.	

M1.1B

MECHANICAL DEMOLITION FIRST FLOOR PLAN BUILDING B

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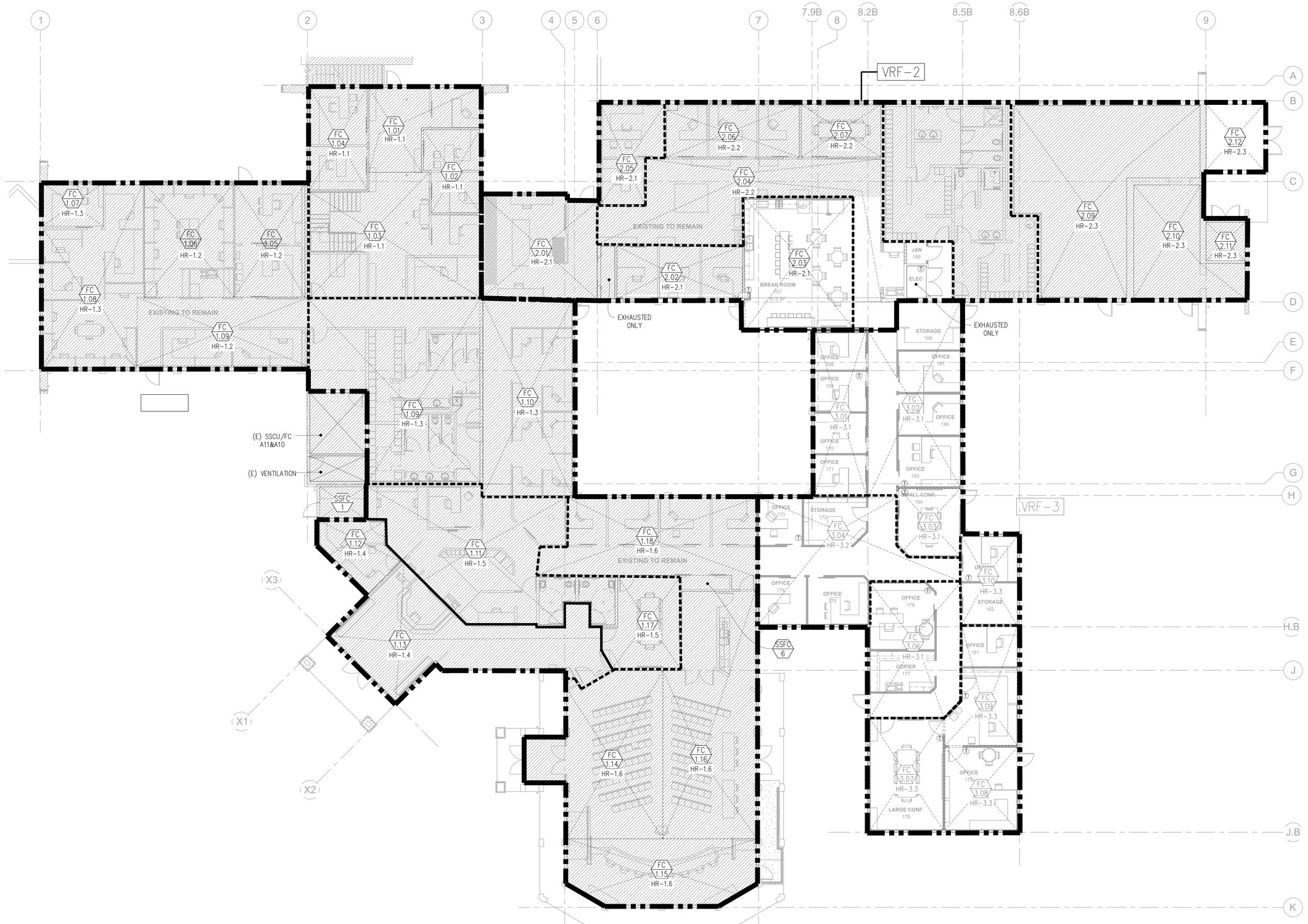

LEGEND

- VRF ZONES
- HEAT RECOVERY ZONES
- FAN COIL ZONES

GENERAL NOTES

1. THERMOSTAT LOCATIONS SHOWN ON MECHANICAL ZONING PLANS ARE SHOWN FOR GENERAL PLACEMENT. CONTRACTOR SHALL REFER TO ARCHITECTURAL INTERIOR ELEVATIONS FOR EXACT MOUNTING PLACEMENT. GENERAL THERMOSTAT MOUNTING PLACEMENT DETAIL SHOWN ON ARCHITECTURAL SHEETS. ARCHITECTURAL DETAILS SHALL SUPERSEDE ANY DISCREPANCIES.

BID SET
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08/30/2018

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REGISTERED PROFESSIONAL ENGINEER CHRISTOPHER D. GLENN NO.M30087 EXP. 9/19 MECHANICAL

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OLIVENHAIN - NEW AND REMODELED OPERATIONS AND ADMINISTRATION FACILITIES

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DEC	AG

PROJECT NO. 1516

DATE 08.24.18

SHEET TITLE MECHANICAL FIRST FLOOR ZONING PLAN

M2.0B

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MECHANICAL ZONING FIRST FLOOR PLAN

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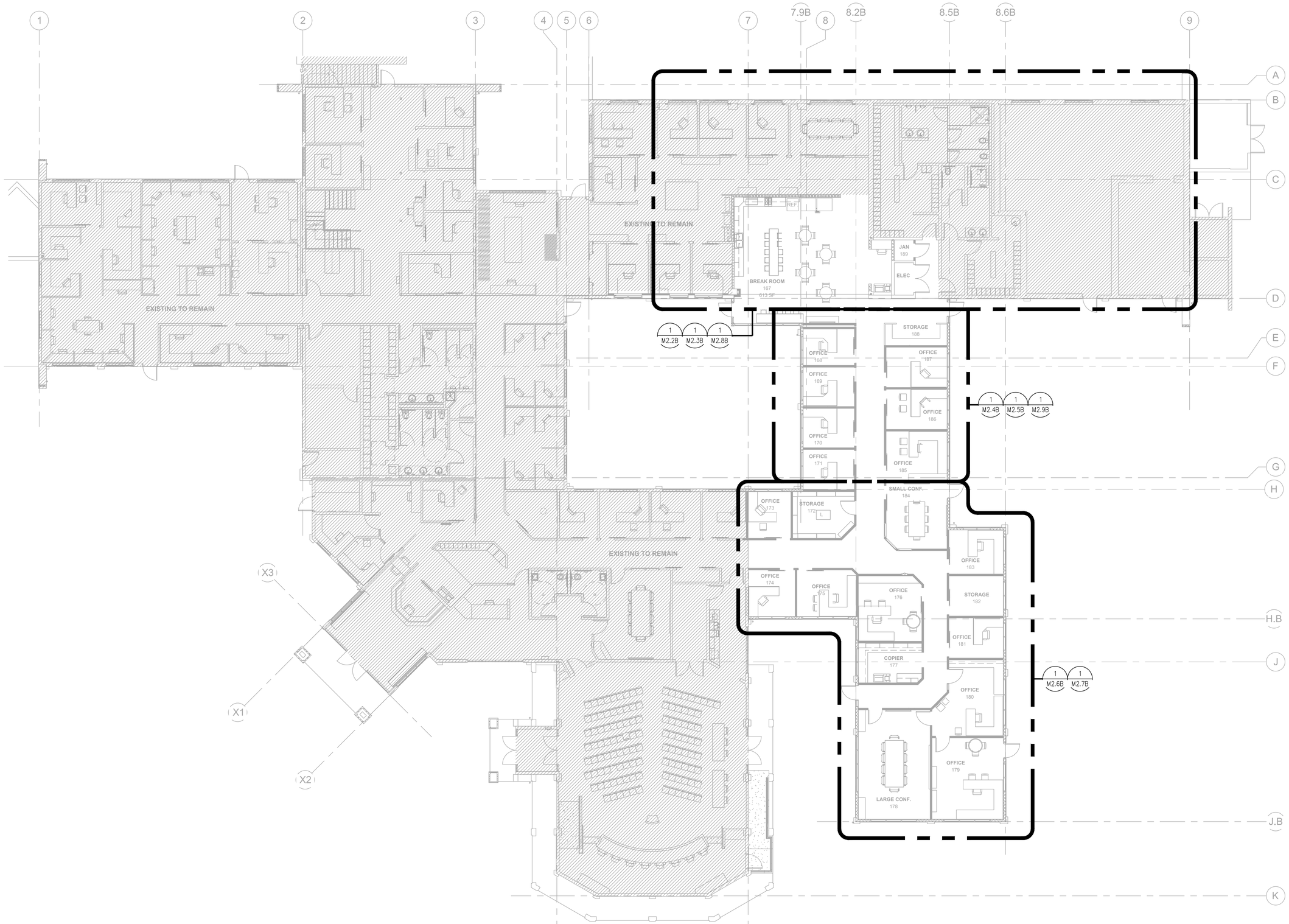

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08/30/2018

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REGISTERED PROFESSIONAL ENGINEER CHRISTOPHER D. DECK NO.M30087 EXP. 9/18 MECHANICAL

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OLIVENHAIN - NEW AND REMODELED OPERATIONS AND ADMINISTRATION FACILITIES

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LICENSED ARCHITECT LEWIS A. BAKER C-18627 06/30/19 STATE OF CALIFORNIA

DRAWN	CHECKED
DEC	AG
PROJECT NO. 1516	
DATE 08.24.18	
SHEET NAME MECHANICAL NEW WORK OVERALL PLAN	

M2.1B

SCALE 1/8" = 1'-0"

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MECHANICAL NEW WORK OVERALL PLAN

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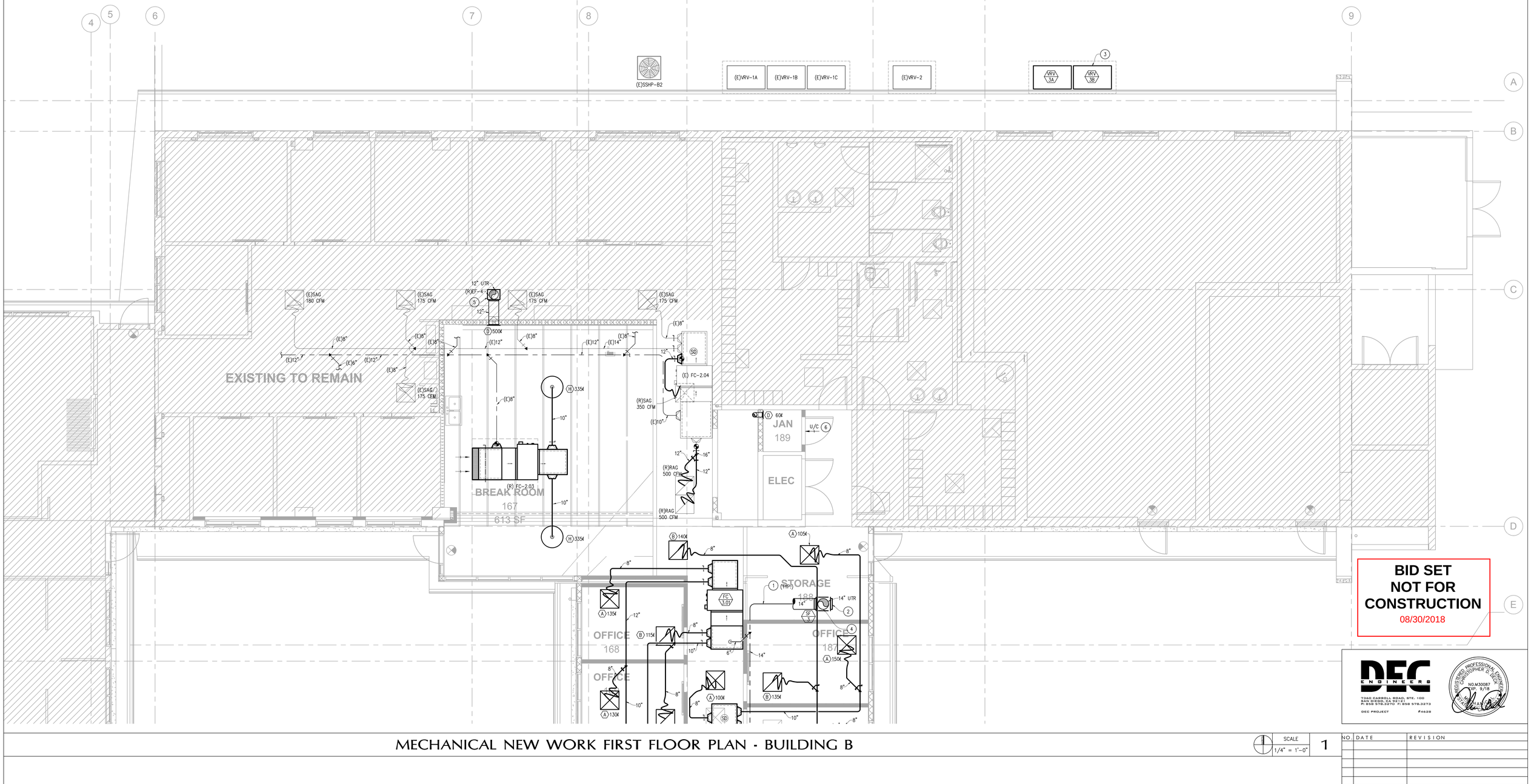

BID SET
NOT FOR CONSTRUCTION
08/30/2018

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DEC PROJECT #4628

REGISTERED PROFESSIONAL ENGINEER
CHRISTOPHER D. GUNTER
NO. M30087
EXP. 9/18
MECHANICAL
STATE OF CALIFORNIA

MECHANICAL NEW WORK FIRST FLOOR PLAN - BUILDING B

SCALE 1/4" = 1'-0" | 1

NO.	DATE	REVISION

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NEW WORK NOTES

1. ROUTE OSA DUCTWORK ABOVE MECHANICAL EQUIPMENT, DUCTWORK, PIPING AND ETC. (TYP.).
2. CONTRACTOR TO ORIENT SUPPLY FAN IN "L-ORIENTATION". REFER TO 1/M5.1 FOR DETAILS.
3. CONTRACTOR TO MOUNT OUTDOOR UNITS ON FIELD FABRICATED EQUIPMENT PAD. REFER TO ARCHITECTURAL PLANS FOR DETAILS.
4. ROUTE OSA DUCT UP THRU ROOF.
5. ROUTE EXHAUST AIR DUCT UP THROUGH ROOF.
6. PROVIDE DOOR WITH 3/4" UNDERCUT.

GENERAL NOTES

1. DRAWINGS ARE ESSENTIALLY DIAGRAMMATIC AND AS SUCH ROUTING DOES NOT DETAIL ALL REQUIRED OFFSETS AND TRANSITIONS NEEDED. CONTRACTOR SHALL DEVELOP FULLY COORDINATED SHOP DRAWINGS WITH ALL TRADES.
2. REFER TO ARCHITECTURAL PLANS FOR HVAC PAINTING REQUIREMENTS.
3. PROVIDE INSULATED DUCTWORK WHEN LOCATED ABOVE ARCHITECTURAL CEILINGS, DUCTWORK LOCATED IN OPEN CEILING AREAS SHALL NOT BE INSULATED.
4. CONTRACTOR SHALL PROVIDE REMOTE BALANCING DAMPERS FOR ALL BALANCING DAMPERS LOCATED OVER HARD LIDS CEILINGS OR WHERE THE DAMPER IS INACCESSIBLE.
5. REFER TO ZONING PLANS FOR THERMOSTAT LOCATIONS.

OLIVENHAIN - NEW AND REMODELED OPERATIONS AND ADMINISTRATION FACILITIES

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DRAWN	CHECKED
DEC	AG

PROJECT NO. 1316

DATE 08.24.18

SHEET TITLE MECHANICAL NEW WORK FIRST FLOOR PLAN BUILDING B

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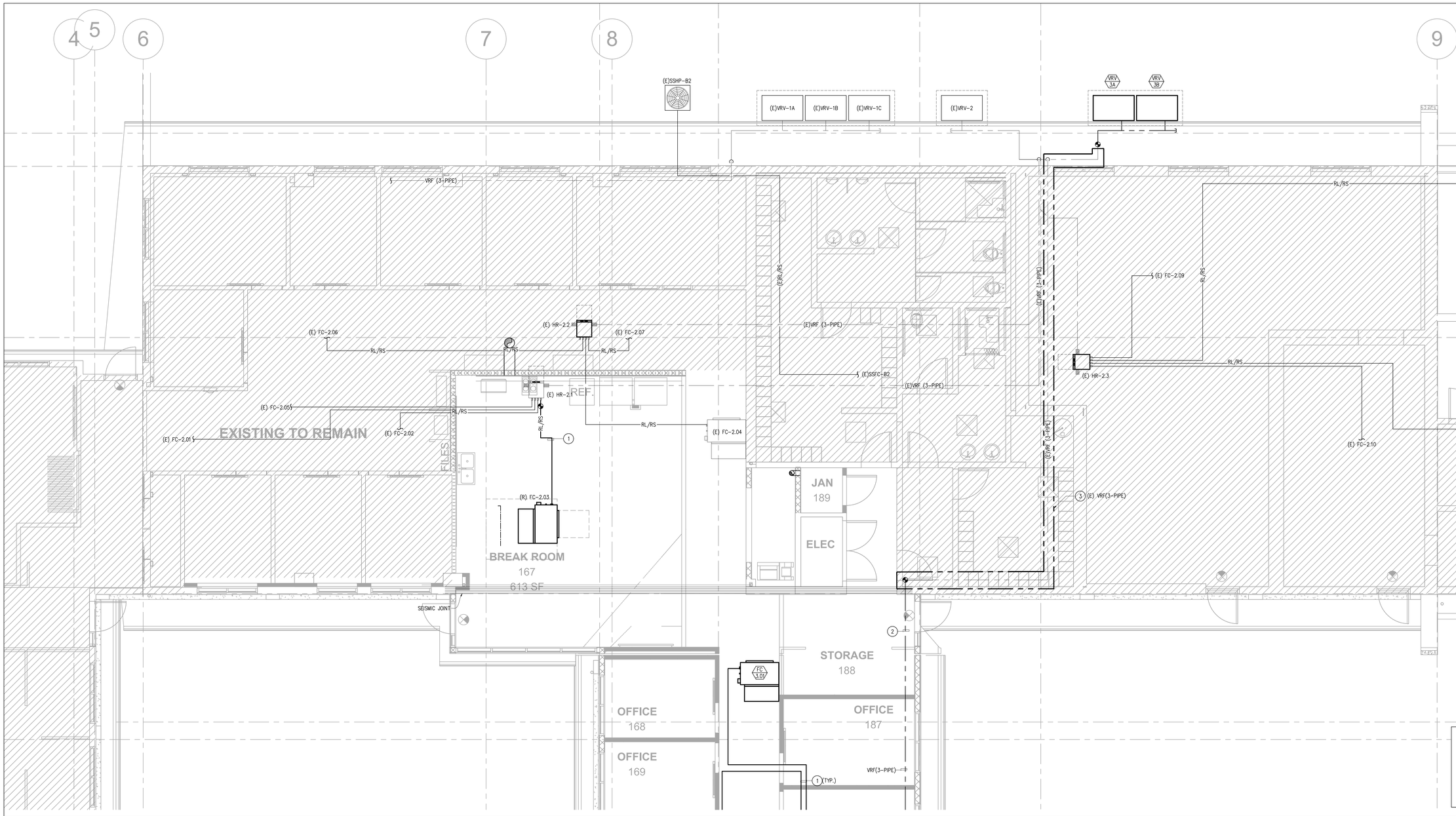

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NOT FOR
CONSTRUCTION
08/30/2018

DEC ENGINEERS
7360 CARROLL ROAD, STE. 100
SAN DIEGO, CA 92121
P: 858 578.3270 F: 858 578.3273
DEC PROJECT #4628

REGISTERED PROFESSIONAL ENGINEER CHRISTOPHER D. DECK NO.M30087 EXP. 9/18 MECHANICAL STATE OF CALIFORNIA

MECHANICAL NEW WORK FIRST FLOOR PIPING PLAN - BUILDING B

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

NO.	DATE	REVISION

THE ARCHITECT, HB&A ARCHITECTS, INC (HB&A) HEREBY RESERVES ITS COMMON LAW COPYRIGHT AND OTHER PROPERTY RIGHTS ALL IDEAS, DESIGNS, ARRANGEMENTS AND PLANS INDICATED OR REPRESENTED BY THESE DRAWINGS ARE OWNED BY AND ARE THE PROPERTY OF HB&A, AND WERE CREATED, EVOLVED AND DEVELOPED FOR THE USE IN CONNECTION WITH THE SPECIFIED PROJECT. THE IDEAS, DESIGNS, ARRANGEMENTS OR PLANS SHALL NOT BE ASSIGNED TO, USED BY, OR DISCLOSED TO ANY THIRD PARTY, FIRM OR CORPORATION, FOR ANY PURPOSE WHATSOEVER WITHOUT THE WRITTEN PERMISSION OF HB&A. FILING THESE DRAWINGS WITH ANY PUBLIC AGENCY IS NOT PUBLICATION OF SAME AND NO COPYING, REPRODUCTION OR USE THEREOF IS PERMISSABLE WITHOUT THE CONSENT OF HB&A. THE DRAWINGS ARE NOT TO BE CONSIDERED TO BE FINAL OR TO BE USED FOR CONSTRUCTION UNTIL SIGNED BY THE ARCHITECT.

NEW WORK NOTES

1. REFRIGERANT PIPE SIZING AND ROUTING SHOWN FOR PRICING PURPOSES ONLY. CONTRACTOR SHALL COORDINATE PROPOSED PIPING SHOP DRAWINGS WITH VRF MANUFACTURER TO DETERMINE PIPE SIZES AND ACCESSORIES REQUIRED FOR PROPER REFRIGERANT SYSTEM OPERATION. (TYP.)
2. PIPING ROUTED THRU SEISMIC SEPARATION JOINT. PROVIDE EXPANSION JOINT ACROSS SEISMIC JOINT. METRAFLEX MODEL MLS WITH DOUBLE-BRAIDS.
3. VRV-3 REFRIGERANT PIPING ROUTED THRU THE SCHEDULE-A AREA OF WORK SHALL BE INSTALLED IN THE SCHEDULE-A CONSTRUCTION. VRV PIPE SIZES SHALL BE COORDINATED WITH THE MANUFACTURER DURING THE SCHEDULE-A SUBMITTAL PROCESS. REFER TO M2.4 AND M2.5 FOR SCHEDULE-A NEW WORK REQUIREMENTS.

GENERAL NOTES

1. CONTRACTOR TO PROVIDE ALL NECESSARY PIPING ACCESSORIES (INCLUDING EXPANSION JOINTS, TESTING PORTS, AIR VENTS, ETC.) PER PROJECT SPECIFICATIONS.
2. DRAWINGS ARE ESSENTIALLY DIAGRAMMATIC AND AS SUCH ROUTING DOES NOT DETAIL ALL REQUIRED OFFSETS AND TRANSITIONS NEEDED. CONTRACTOR SHALL DEVELOP FULLY COORDINATED SHOP DRAWINGS WITH ALL TRADES.
3. REFER TO M3.1B FOR VRV REFRIGERANT PIPING DIAGRAM.

OLIVENHAIN - NEW AND REMODELED OPERATIONS AND ADMINISTRATION FACILITIES

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LICENSED ARCHITECT STATE OF CALIFORNIA 18627 06/30/19

DRAWN	CHECKED
DEC	AG
PROJECT NO. 1516	
DATE 08.24.18	

M2.3B

SHEET 1 MECHANICAL NEW WORK FIRST FLOOR PIPING PLAN BUILDING B

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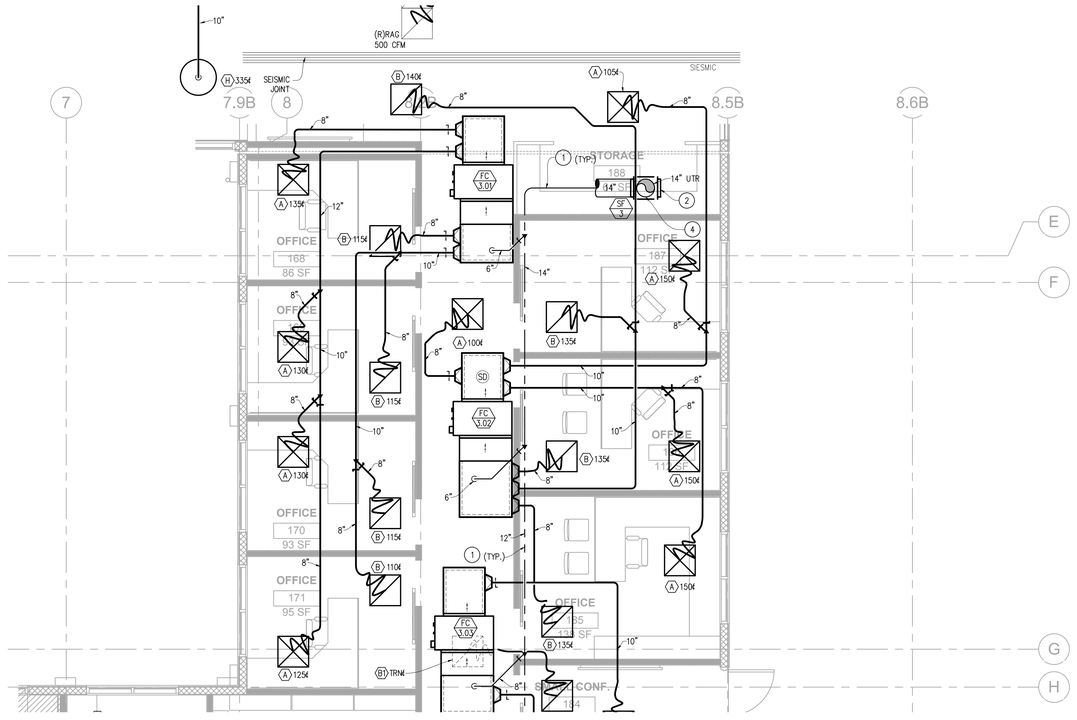

NEW WORK NOTES

1. ROUTE OSA DUCTWORK ABOVE MECHANICAL EQUIPMENT, DUCTWORK, PIPING AND ETC. (TYP.).
2. CONTRACTOR TO ORIENT SUPPLY FAN IN "L-ORIENTATION". REFER TO 1/M5.1 FOR DETAILS.
3. ROUTE OSA DUCT UP THRU ROOF.

GENERAL NOTES

1. CONTRACTOR TO PROVIDE ALL NECESSARY PIPING ACCESSORIES (INCLUDING EXPANSION JOINTS, TESTING PORTS, AIR VENTS, ETC.) PER PROJECT SPECIFICATIONS.
2. DRAWINGS ARE ESSENTIALLY DIAGRAMMATIC AND AS SUCH ROUTING DOES NOT DETAIL ALL REQUIRED OFFSETS AND TRANSITIONS NEEDED. CONTRACTOR SHALL DEVELOP FULLY COORDINATED SHOP DRAWINGS WITH ALL TRADES.

BID SET
NOT FOR CONSTRUCTION
08/30/2018

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DEC PROJECT #4628

REGISTERED PROFESSIONAL ENGINEER CHRISTOPHER D. DECK NO.M30087 EXP. 9/18 MECHANICAL STATE OF CALIFORNIA

NO.	DATE	REVISION

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OLIVENHAIN - NEW AND REMODELED OPERATIONS AND ADMINISTRATION FACILITIES

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LICENSED ARCHITECT LEWIS A. BAKER C-18627 06/30/19 STATE OF CALIFORNIA

DRAWN	CHECKED
DEC	AG

PROJECT NO. 1516

DATE 08.24.18

SHEET NO. M2.4B

MECHANICAL NEW WORK FIRST FLOOR PLAN NORTH

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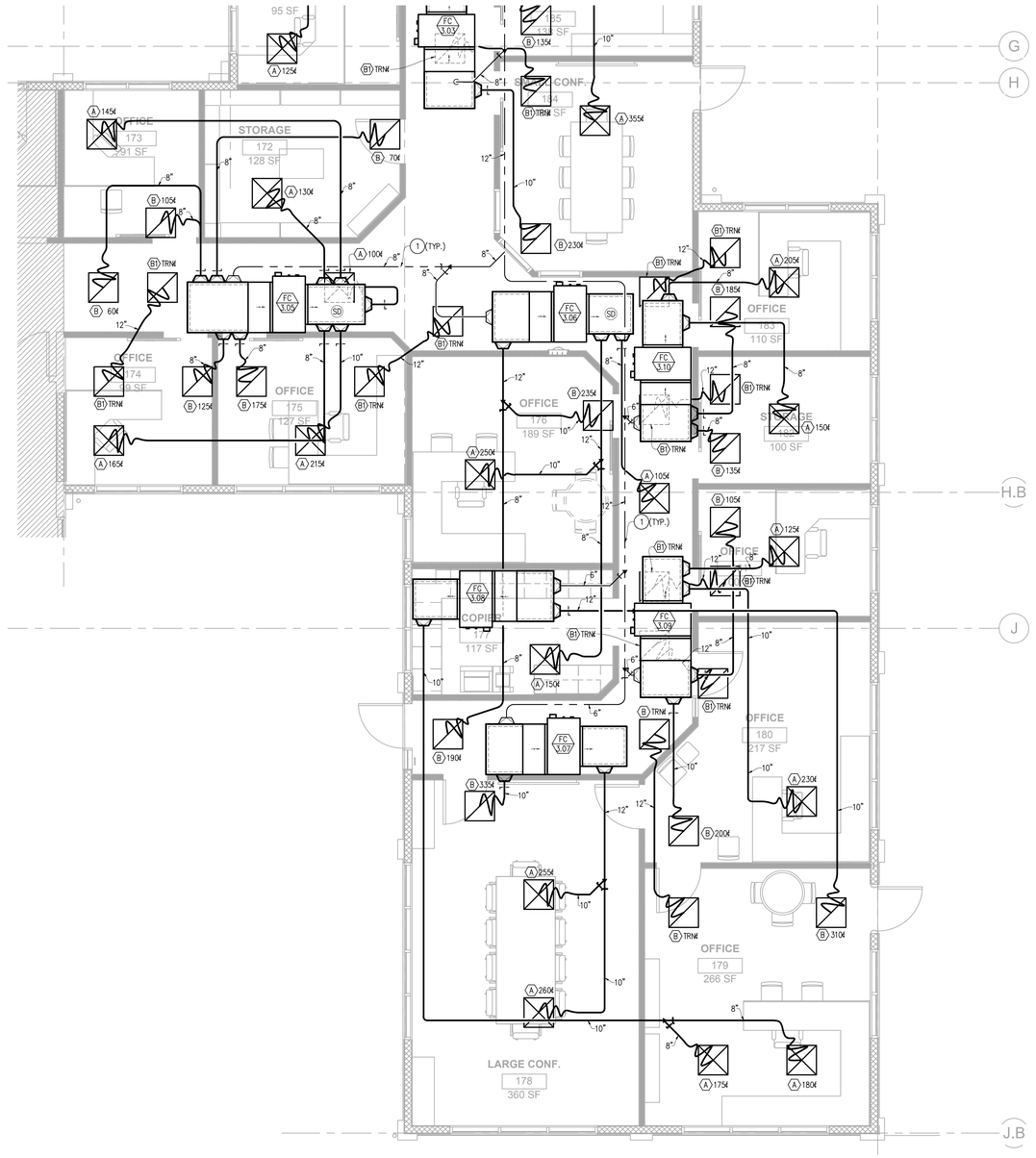
SCALE 1/4" = 1'-0"

1

MECHANICAL NEW WORK FIRST FLOOR PLAN - NORTH



NEW WORK NOTES

1. ROUTE OSA DUCTWORK ABOVE MECHANICAL EQUIPMENT, DUCTWORK, PIPING AND ETC. (TYP.).

GENERAL NOTES

1. CONTRACTOR TO PROVIDE ALL NECESSARY PIPING ACCESSORIES (INCLUDING EXPANSION JOINTS, TESTING PORTS, AIR VENTS, ETC.) PER PROJECT SPECIFICATIONS.
2. DRAWINGS ARE ESSENTIALLY DIAGRAMMATIC AND AS SUCH ROUTING DOES NOT DETAIL ALL REQUIRED OFFSETS AND TRANSITIONS NEEDED. CONTRACTOR SHALL DEVELOP FULLY COORDINATED SHOP DRAWINGS WITH ALL TRADES.

BID SET
NOT FOR CONSTRUCTION
08/30/2018

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DEC PROJECT #4628

REGISTERED PROFESSIONAL ENGINEER
CHRISTOPHER D. DUNCAN
NO. M30087
EXP. 9/18
MECHANICAL

NO.	DATE	REVISION

THE ARCHITECT, HB&A ARCHITECTS, INC.(HB&A) HEREBY RESERVES ITS COMMON LAW COPYRIGHT AND OTHER PROPERTY RIGHTS. ALL IDEAS, DESIGNS, ARRANGEMENTS AND PLANS INDICATED OR REPRESENTED BY THESE DRAWINGS ARE OWNED BY AND ARE THE PROPERTY OF HB&A. THEY WERE CREATED, EVOLVED AND DEVELOPED FOR USE IN CONNECTION WITH THE SPECIFIED PROJECT. THE IDEAS, DESIGNS, ARRANGEMENTS OR PLANS SHALL NOT BE ASSIGNED TO, USED BY, OR DISCLOSED TO ANY THIRD PARTY, IN OR ON ANY OTHER PROJECT, WITHOUT THE EXPRESS WRITTEN CONSENT AND PERMISSION OF HB&A. FILING THESE DRAWINGS WITH ANY PUBLIC AGENCY IS NOT PUBLICATION OF SAME AND NO COPYING, REPRODUCTION, OR USE THEREOF IS PERMISSABLE WITHOUT THE CONSENT OF HB&A. THE DRAWINGS ARE NOT TO BE CONSIDERED TO BE FINAL OR TO BE USED FOR CONSTRUCTION UNTIL SIGNED BY THE ARCHITECT.

OLIVENHAIN - NEW AND REMODELED OPERATIONS AND ADMINISTRATION FACILITIES

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ANTHONY GIOVANNI GIANNETTA
No. 18627
06/30/19
STATE OF CALIFORNIA

DRAWN	CHECKED
DEC	AG

PROJECT NO. 1316
DATE 08.24.18

M2.6B

SHEET MECHANICAL NEW WORK FIRST FLOOR PLAN SOUTH

SCALE 1/4" = 1'-0"

MECHANICAL NEW WORK FIRST FLOOR PLAN - SOUTH

1

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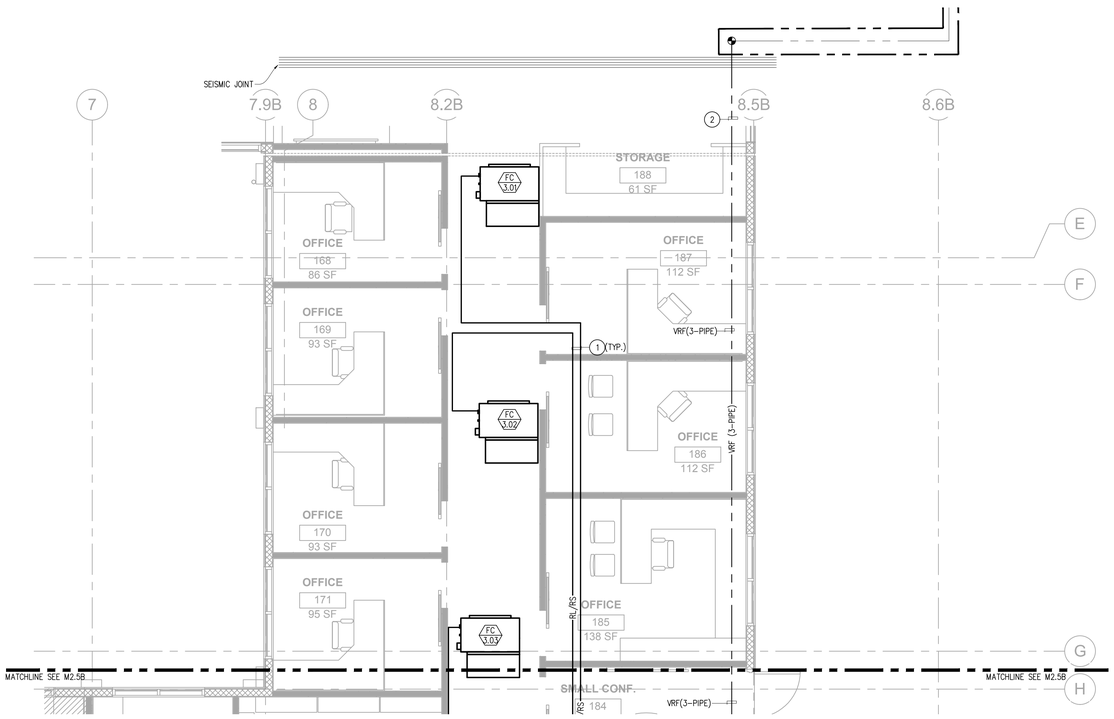

NEW WORK NOTES

1. REFRIGERANT PIPE SIZING AND ROUTING SHOWN FOR PRICING PURPOSES ONLY. CONTRACTOR SHALL COORDINATE PROPOSED PIPING SHOP DRAWINGS WITH VRF MANUFACTURER TO DETERMINE PIPE SIZES AND ACCESSORIES REQUIRED FOR PROPER REFRIGERANT SYSTEM OPERATION. (TYP.)
2. PIPING ROUTED THRU SEISMIC SEPARATION JOINT. PROVIDE EXPANSION JOINT ACROSS SEISMIC JOINT. METRAFLEX MODEL MLS WITH DOUBLE-BRAIDS.

GENERAL NOTES

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3. REFER TO M3.1B FOR VRV REFRIGERANT PIPING DIAGRAM.

BID SET
NOT FOR CONSTRUCTION
08/30/2018

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PH 858 578.3270 FX 858 578.3273
DEC PROJECT #4628

REGISTERED PROFESSIONAL ENGINEER CHRISTOPHER S. DOSSETT NO.M30087 EXP. 9/18 MECHANICAL

NO.	DATE	REVISION

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OLIVENHAIN - NEW AND REMODELED OPERATIONS AND ADMINISTRATION FACILITIES

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LICENSED ARCHITECT ANTHONY GIOVANNI GIACCHINO 18627 EXP. 08/30/19 STATE OF CALIFORNIA

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DEC	AG

PROJECT NO. 1516

DATE 08.24.18

M2.5B

SHEET MECHANICAL NEW WORK FIRST FLOOR PIPING PLAN NORTH

MECHANICAL NEW WORK FIRST FLOOR PIPING PLAN - NORTH

SCALE 1/4" = 1'-0"

1

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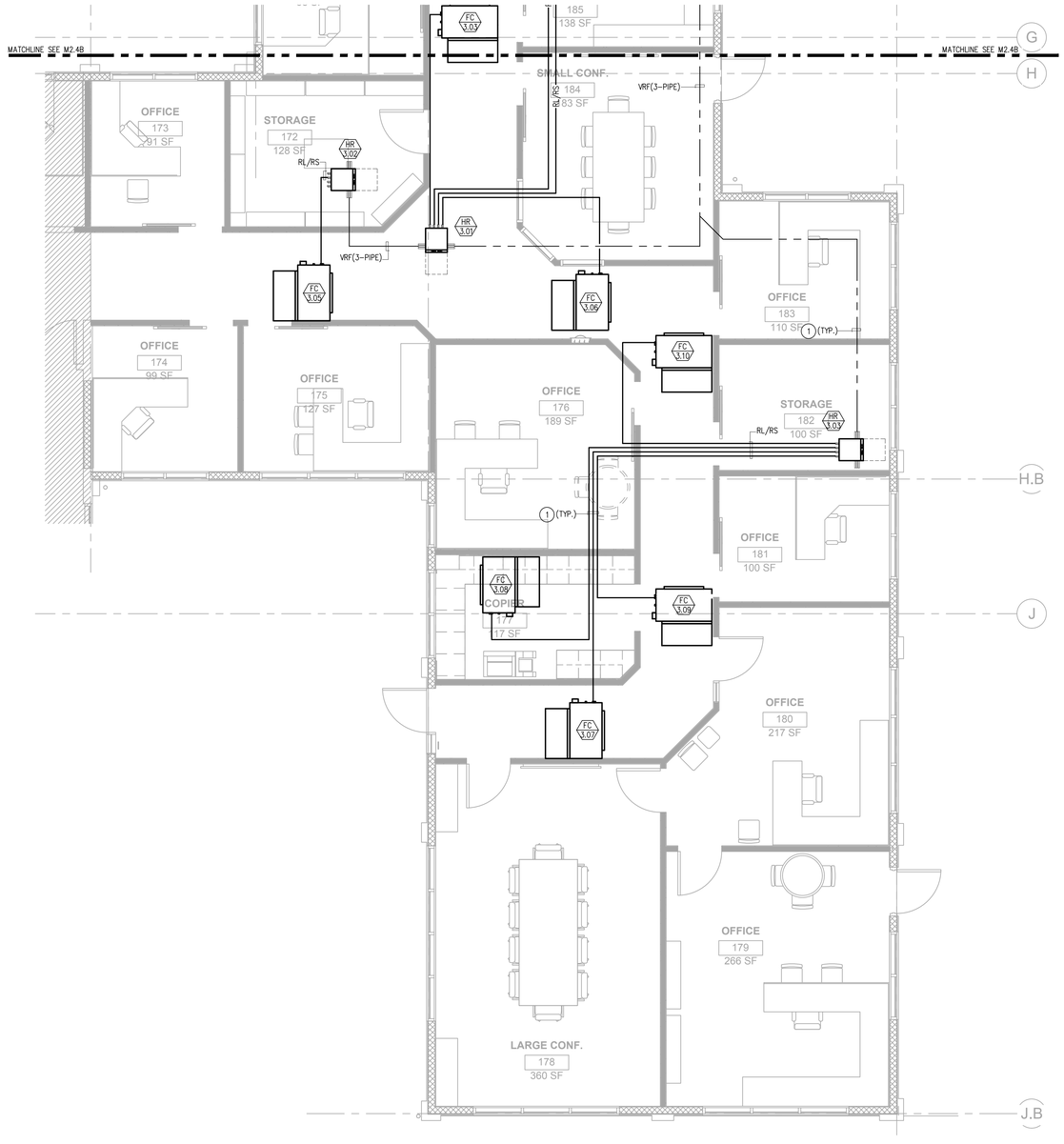

NEW WORK NOTES

1. REFRIGERANT PIPE SIZING AND ROUTING SHOWN FOR PRICING PURPOSES ONLY. CONTRACTOR SHALL COORDINATE PROPOSED PIPING SHOP DRAWINGS WITH VRF MANUFACTURER TO DETERMINE PIPE SIZES AND ACCESSORIES REQUIRED FOR PROPER REFRIGERANT SYSTEM OPERATION. (TYP.)

GENERAL NOTES

1. CONTRACTOR TO PROVIDE ALL NECESSARY PIPING ACCESSORIES (INCLUDING EXPANSION JOINTS, TESTING PORTS, AIR VENTS, ETC.) PER PROJECT SPECIFICATIONS.
2. DRAWINGS ARE ESSENTIALLY DIAGRAMMATIC AND AS SUCH ROUTING DOES NOT DETAIL ALL REQUIRED OFFSETS AND TRANSITIONS NEEDED. CONTRACTOR SHALL DEVELOP FULLY COORDINATED SHOP DRAWINGS WITH ALL TRADES.
3. REFER TO M3.1B FOR VRV REFRIGERANT PIPING DIAGRAMS.

BID SET
NOT FOR CONSTRUCTION
08/30/2018

DEC ENGINEERS
7360 CARROLL ROAD, STE. 100
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DEC PROJECT #4628

REGISTERED PROFESSIONAL ENGINEER CHRISTOPHER D. DECK NO.M30087 EXP. 9/18 MECHANICAL STATE OF CALIFORNIA

NO.	DATE	REVISION

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OLIVENHAIN - NEW AND REMODELED OPERATIONS AND ADMINISTRATION FACILITIES

BID SET

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LICENSED ARCHITECT STATE OF CALIFORNIA C-18627 06/30/19

DRAWN	CHECKED
DEC	AG
PROJECT NO. 1516	
DATE 08.24.18	

M2.7B

SHEET NO. MECHANICAL NEW WORK FIRST FLOOR PIPING PLAN SOUTH

SCALE 1/4" = 1'-0"

1

MECHANICAL NEW WORK FIRST FLOOR PIPING PLAN - SOUTH

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CONSTRUCTION
08/30/2018

DEC ENGINEERS
7360 CARROLL ROAD, STE. 100
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DEC PROJECT #4628

REGISTERED PROFESSIONAL ENGINEER CHRISTOPHER D. DECK NO.M30087 EXP. 9/18 MECHANICAL STATE OF CALIFORNIA

MECHANICAL NEW WORK ROOF PLAN - BUILDING B

SCALE 1/4" = 1'-0" | 1

NO.	DATE	REVISION

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NEW WORK NOTES

1. CONTRACTOR TO PROVIDE BUILT-UP CURB FOR MECHANICAL EQUIPMENT. REFER TO 4/M5.2 AND 7/M5.2 FOR MOUNTING DETAIL.
2. MAINTAIN 10'-0" CLEARANCE FROM EXISTING EXHAUST FAN DISCHARGE TO OSA INTAKES AND BUILDING OPENINGS.

GENERAL NOTES

1. DRAWINGS ARE ESSENTIALLY DIAGRAMMATIC AND AS SUCH ROUTING DOES NOT DETAIL ALL REQUIRED OFFSETS AND TRANSITIONS NEEDED. CONTRACTOR SHALL DEVELOP FULLY COORDINATED SHOP DRAWINGS WITH ALL TRADES.
2. REFER TO ARCHITECTURAL PLANS FOR HVAC PAINTING REQUIREMENTS.

OLIVENHAIN - NEW AND REMODELED OPERATIONS AND ADMINISTRATION FACILITIES

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STATE OF CALIFORNIA
LEWIS A. BAKER
NO. 18627
06/30/19

DRAWN	CHECKED
DEC	AG
PROJECT NO. 1516	
DATE 08.24.18	

M2.8B

SHEET NO. MECHANICAL NEW WORK FIRST FLOOR PLAN BUILDING B

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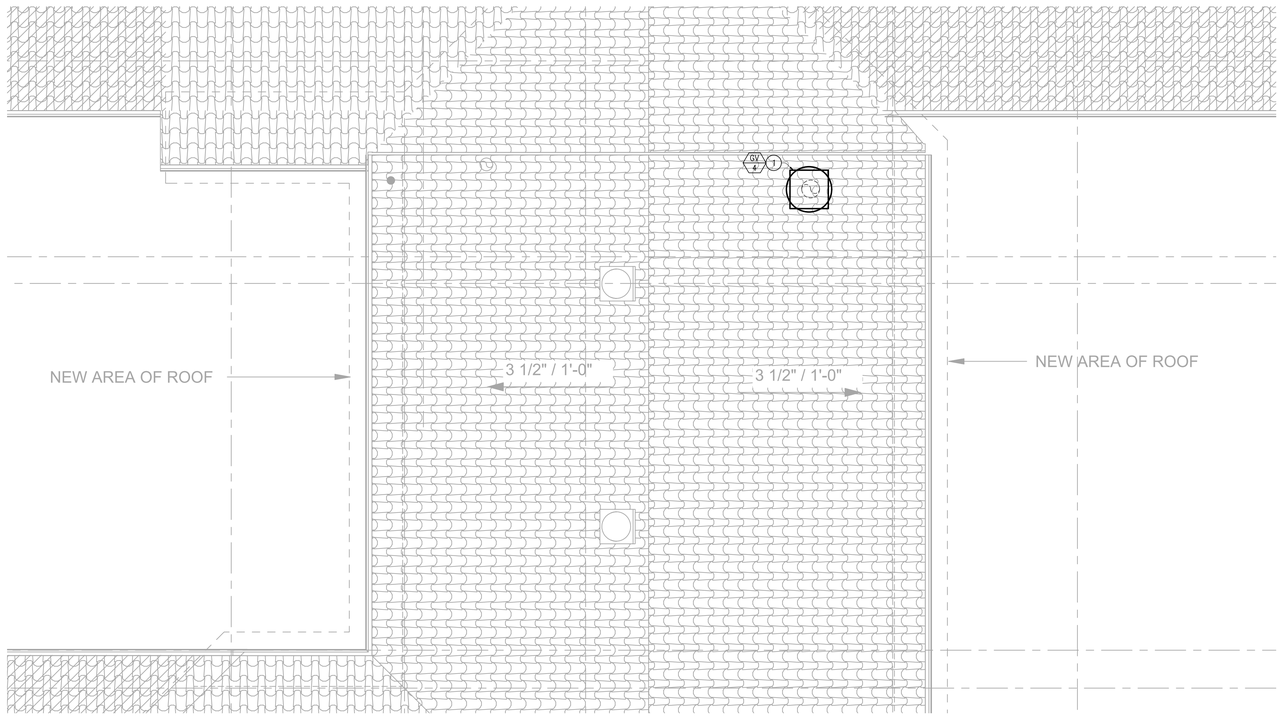

MECHANICAL NEW WORK ROOF PLAN - NORTH

SCALE 1/4" = 1'-0"

1

NEW WORK NOTES

1. CONTRACTOR TO PROVIDE BUILT-UP CURB FOR MECHANICAL EQUIPMENT. REFER TO 4/M5.2 FOR MOUNTING DETAIL.

GENERAL NOTES

1. DRAWINGS ARE ESSENTIALLY DIAGRAMMATIC AND AS SUCH ROUTING DOES NOT DETAIL ALL REQUIRED OFFSETS AND TRANSITIONS NEEDED. CONTRACTOR SHALL DEVELOP FULLY COORDINATED SHOP DRAWINGS WITH ALL TRADES.
2. REFER TO ARCHITECTURAL PLANS FOR HVAC PAINTING REQUIREMENTS.

BID SET
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08/30/2018

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REGISTERED PROFESSIONAL ENGINEER CHRISTOPHER D. DECK NO.M30087 EXP. 9/18 MECHANICAL STATE OF CALIFORNIA

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OLIVENHAIN - NEW AND REMODELED OPERATIONS AND ADMINISTRATION FACILITIES

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LICENSED ARCHITECT LEWIS BARRY C-18627 06/30/19 STATE OF CALIFORNIA

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DEC	AG

PROJECT NO. 1516

DATE 08.24.18

SHEET NO. M2.9B

MECHANICAL NEW WORK FIRST FLOOR PLAN NORTH

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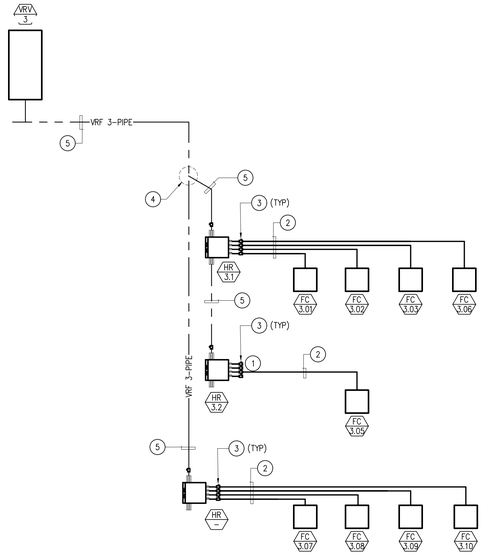
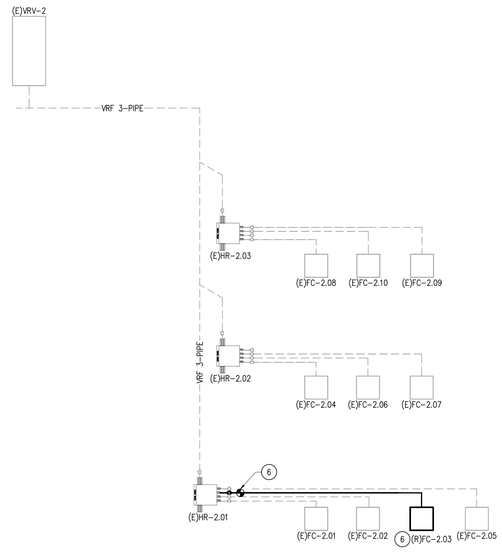


VRV-3 REFRIGERANT PIPING SCHEMATIC

SCALE	
NONE	2



VRV-2 REFRIGERANT PIPING SCHEMATIC

SCALE	
NONE	1

GENERAL NOTES

1. THE VRF PIPING SCHEMATIC DETAILS MAJOR PIPING OPTIONS AND GENERAL SERVICE ROUTING FOR THE PROPOSED VRF SYSTEM. THE PIPING SCHEMATIC IS BASED ON THE B.O.D. VRF MANUFACTURER RECOMMENDATIONS BUT MAY NOT INCLUDE ALL REQUIRED VALVING AND COMPONENTS. THE MECHANICAL CONTRACTOR SHALL REVIEW THE VRF MANUFACTURER INSTALLATION AND PIPING GUIDES FOR SPECIFIC PIPING AND ROUTING REQUIREMENTS.

SHEET NOTES

1. HEAT RECOVERY TERMINAL SHALL BE PROVIDED WITH MINIMUM ONE ADDITIONAL PORT FOR FUTURE CONNECTION TO VRF SYSTEM.
2. VRF REFRIGERANT SUCTION AND LIQUID LINES. (TYP)
3. PROVIDE FULL PORT BALL VALVES AT ALL HEAT RECOVERY TERMINAL INLET AND OUTLET PORTS FOR SYSTEM ISOLATION. (TYP)
4. VRF SPECIALITY Y-BRANCHES. REFER TO VRF MANUFACTURER IOM LITERATURE FOR SPECIFIC REQUIREMENTS. (TYP)
5. VRF REFRIGERANT LIQUID, VAPOR HIGH, AND VAPOR LOW LINES. (TYP)
6. RELOCATED FANCOIL. ROUTE NEW REFRIGERANT PIPING TO NEW FANCOIL LOCATION.

BID SET
NOT FOR CONSTRUCTION
08/30/2018

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DEC PROJECT #4628

REGISTERED PROFESSIONAL ENGINEER CHRISTOPHER D. DARGIS NO.M30087 EXP. 9/18 MECHANICAL STATE OF CALIFORNIA

NO.	DATE	REVISION

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OLIVENHAIN - NEW AND REMODELED OPERATIONS AND ADMINISTRATION FACILITIES

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LICENSED ARCHITECT ANDREW J. GRAY RENEWAL 08/31/19 RCE 18627 06/30/19 STATE OF CALIFORNIA

DRAWN	CHECKED
DEC	AG

PROJECT NO.
1316

DATE
08.24.18

SHEET NAME
MECHANICAL DIAGRAMS
VRV PIPING SCHEMATIC

M3.1B

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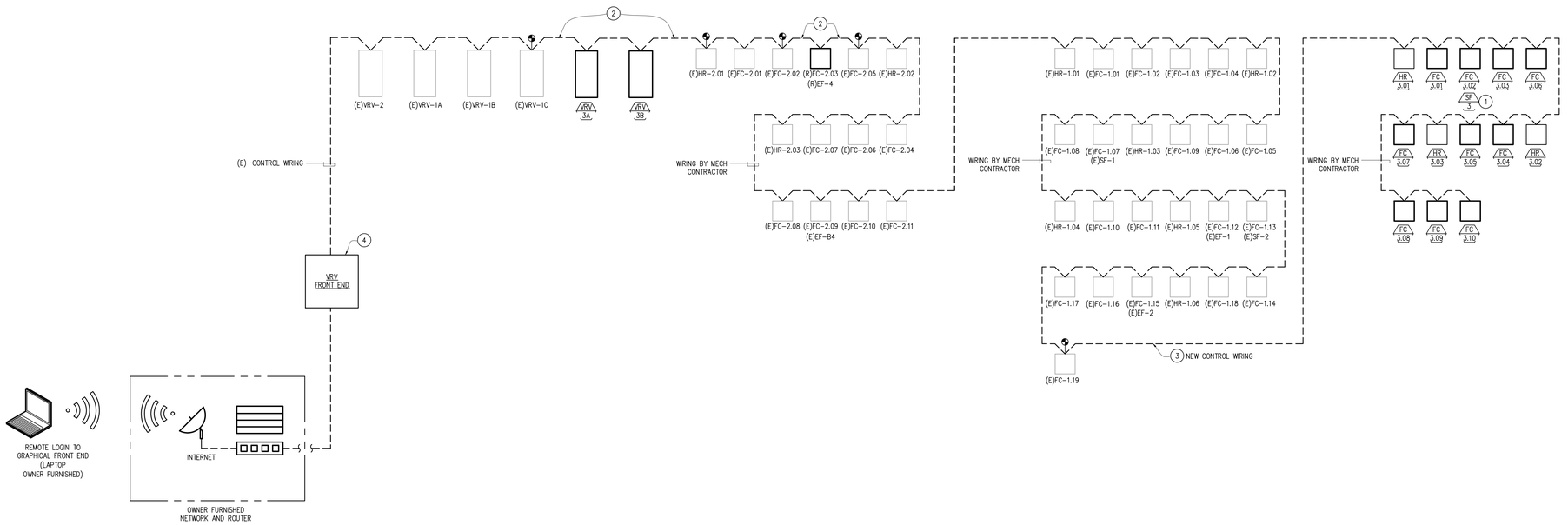


GENERAL NOTES

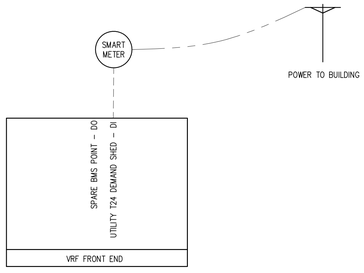
1. AS SHOWN THE SYSTEM ARCHITECTURE IS SCHEMATIC AND IS FOR REFERENCE. COMPLETE SYSTEM LAYOUT, DESIGN, AND QUANTITIES OF THE REQUIRED BUILDING/UNIT/APPLICATION SPECIFIC CONTROLLERS IS DEFERRED TO THE INSTALLING MANUFACTURER AND CONTRACTOR. REFER TO PROJECT SPECIFICATIONS FOR CONTROL SYSTEM REQUIREMENTS. SHOP DRAWINGS AND WIRING DIAGRAMS SHALL BE SUBMITTED TO THE DESIGN TEAM FOR REVIEW.
2. THE VRV CONTROLS SYSTEM SHALL BE PROVIDED BY THE VRV MANUFACTURER. WIRING TO BE INSTALLED BY THE MECHANICAL OR CONTROLS CONTRACTOR.
3. SEQUENCE OF OPERATION FOR THE FUNCTION, INTERNAL SAFETIES, AND MAINTENANCE OF ALL THE VRV EQUIPMENT SHALL BE DEFERRED TO THE INSTALLING VRV MANUFACTURER. ALL PLANNED SEQUENCES SHALL BE FORWARDED TO THE DESIGN TEAM FOR REVIEW.
4. THE VRV SYSTEM SHALL BE PROVIDED WITH A GRAPHICAL TOUCHSCREEN FRONT END WITH CUSTOM PROGRAMMING AND GRAPHICS TO REFLECT THE PROJECT AND FLOOR PLANS.

SHEET NOTES

1. PROVIDE OPTIONAL DRY CONTACT BOARD AS REQUIRED TO INTEGRATE ADDITIONAL FAN ENABLE POINT.
2. DISCONNECT EXISTING SECTION OF VRV CONTROL WIRING AS NEEDED TO INTEGRATE NEW VRV-3 INTO CONTROL SYSTEM.
3. DAISY CHAIN EXISTING VRV SYSTEMS WITH NEW VRV-3 SYSTEM.
4. MAP AND PROGRAM EXISTING "SCHEDULE-A" VRV FRONT END TO INTEGRATE NEW VRV-3 SYSTEM. UPDATE SYSTEM GRAPHICS AS REQUIRED.

VRF CONTROLS SYSTEM ARCHITECTURE (VRV-2 & VRV-3)

SCALE: NONE — 1



AUTOMATIC DEMAND SHED

DDC SYSTEM SHALL BE COMPLIANT WITH BUILDING ENERGY CODE REQUIREMENTS FOR AUTOMATIC DEMAND SHED

DEMAND SHED COMPLIANCE IS ONLY APPLICABLE TO ALL FAN COIL UNITS UNITS WITH THE EXCEPTION OF SSFC-1 AND SSFC-6.

1. THE CONTROLS SHALL HAVE A CAPABILITY TO REMOTELY SETUP THE OPERATING COOLING TEMPERATURE SET POINTS BY 4 DEGREES OR MORE IN ALL NON-CRITICAL ZONES ON SIGNAL FROM A CENTRALIZED CONTACT OR SOFTWARE POINT WITHIN AN ENERGY MANAGEMENT CONTROL SYSTEM (EMCS).
2. THE CONTROLS SHALL HAVE A CAPABILITY TO REMOTELY SETDOWN THE OPERATING HEATING TEMPERATURE SET POINTS BY 4 DEGREES OR MORE IN ALL NON-CRITICAL ZONES ON SIGNAL FROM A CENTRALIZED CONTACT OR SOFTWARE POINT WITHIN AN EMCS.
3. THE CONTROLS SHALL HAVE CAPABILITIES TO REMOTELY RESET THE TEMPERATURES IN ALL NON-CRITICAL ZONES TO ORIGINAL OPERATING LEVELS ON SIGNAL FROM A CENTRALIZED CONTACT OR SOFTWARE POINT WITHIN AN EMCS.
4. THE CONTROLS SHALL BE PROGRAMMED TO PROVIDE AN ADJUSTABLE RATE OF CHANGE FOR THE TEMPERATURE SETUP AND RESET.
5. THE CONTROLS SHALL HAVE THE FOLLOWING FEATURES:

   A. DISABLED. DISABLED BY AUTHORIZED FACILITY OPERATORS±

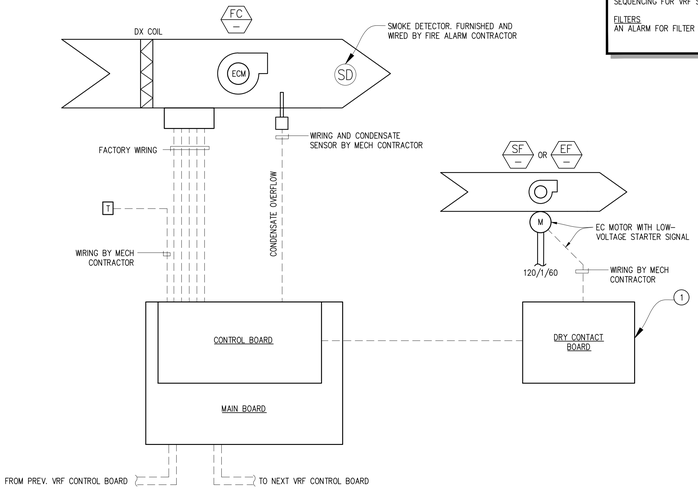
   AND

   B. MANUAL CONTROL. MANUAL CONTROL BY AUTHORIZED FACILITY OPERATORS TO ALLOW ADJUSTMENT OF HEATING AND COOLING SET POINTS GLOBALLY FROM A SINGLE POINT IN THE EMCS

   C. AUTOMATIC DEMAND SHED CONTROL. UPON RECEIPT OF A DEMAND RESPONSE SIGNAL, THE SPACE-CONDITIONING SYSTEMS SHALL CONDUCT A CENTRALIZED DEMAND SHED, AS SPECIFIED IN SECTIONS 120.2(H)1 AND 120.2(H)2, FOR NON-CRITICAL ZONES DURING THE DEMAND RESPONSE PERIOD.

EXISTING - T24 DEMAND SHED CONTROL SCHEMATIC (REFERENCE ONLY)

SCALE: NONE — 3



SEQUENCE OF OPERATION (FANCOILS)

OCCUPIED, UNOCCUPIED AND VENTILATION DELAY MODES OF OPERATIONS

OCCUPIED AND UNOCCUPIED MODES SHALL BE BASED ON SCHEDULED OCCUPANCY.

SUPPLY FAN CONTROL

OCCUPIED MODE – THE SUPPLY FANS SHALL START AND OPERATE CONTINUOUSLY. A CURRENT SENSING RELAY SHALL MONITOR FAN OPERATING STATUS AND SHALL SIGNAL AN ALARM IN THE EVENT OF A FAN FAILURE AND THE FAN ISOLATION DAMPER SHALL CLOSE.

UNOCCUPIED MODE – THE SUPPLY FANS SHALL BE OFF.

TEMPERATURE CONTROL

OCCUPIED MODE: THE UNIT SHALL MAINTAIN
- A 72ºF (ADJ.) COOLING SETPOINT.
- A 70ºF (ADJ.) HEATING SETPOINT.

UNOCCUPIED MODE: THE UNIT SHALL MAINTAIN
- A 85ºF (ADJ.) COOLING SETPOINT.
- A 60ºF (ADJ.) HEATING SETPOINT.

SEQUENCING FOR VRF SOLENOID CONTROL SHALL BE DEFERRED TO THE VRF MANUFACTURER.

FILTERS
AN ALARM FOR FILTER CHANGE OUT SHALL BE BASED ON EQUIPSHEET NOTES

FAN COIL W/ SUPPLY FAN/EXHUAST FAN CONTROL SCHEMATIC

SCALE: NONE — 2

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NOT FOR CONSTRUCTION
08/30/2018

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OLIVENHAIN - NEW AND REMODELED OPERATIONS AND ADMINISTRATION FACILITIES

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DRAWN	CHECKED
DEC	AG

PROJECT NO. 1316

DATE 08.24.18

SHEET NAME: MECHANICAL CONTROLS

M4.1B

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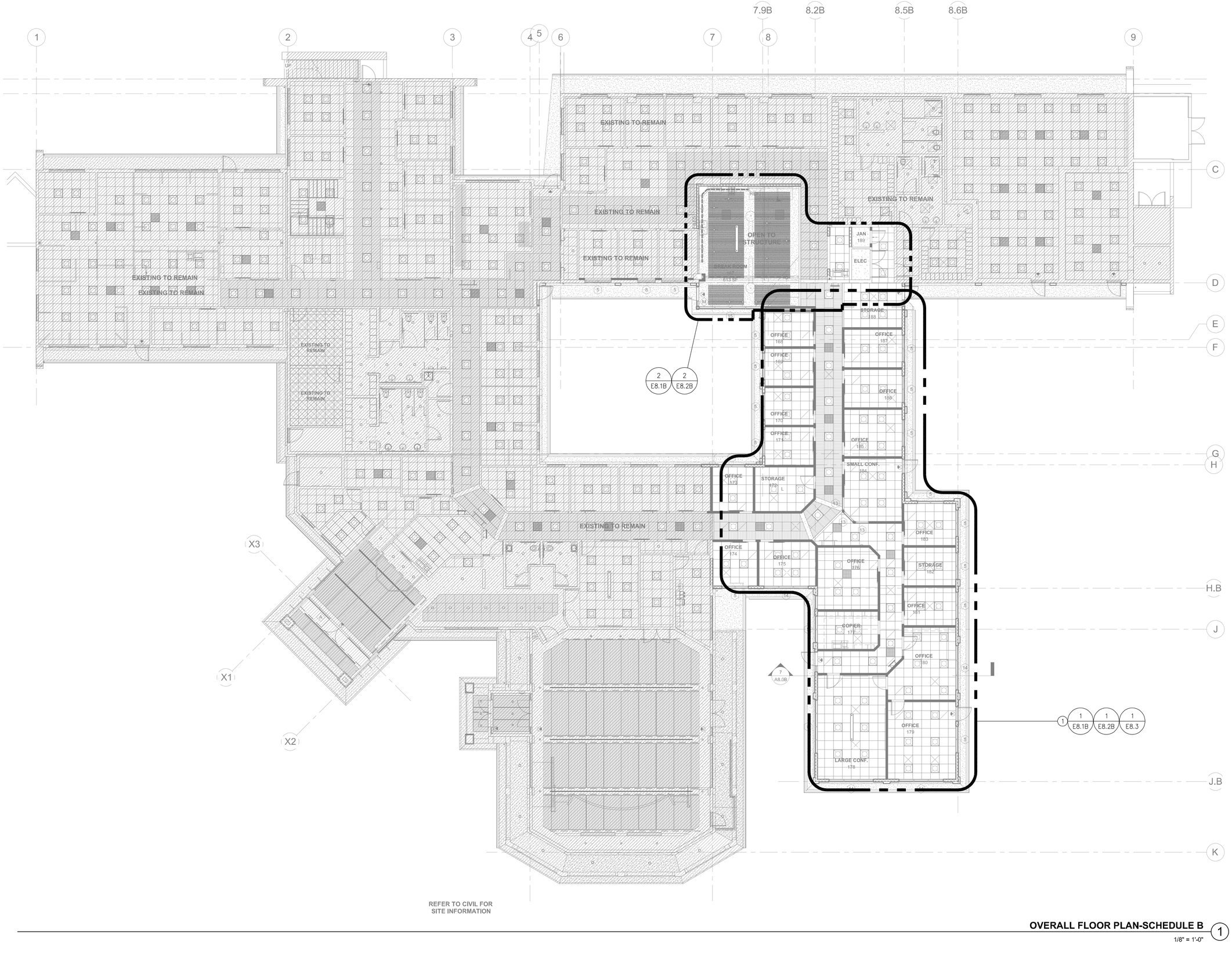

OVERALL FLOOR PLAN-SCHEDULE B 1

1/8" = 1'-0"

N

KEYNOTES

1. SEE ENLARGED PLANS FOR MORE DETAIL.

BID SET NOT FOR CONSTRUCTION

08/30/2018

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DRAWN	CHECKED
Author	Checker

PROJECT NO. 1516

DATE 08.24.18

SHEET NAME OVERALL PLAN-SCHEDULE B

E8.0B

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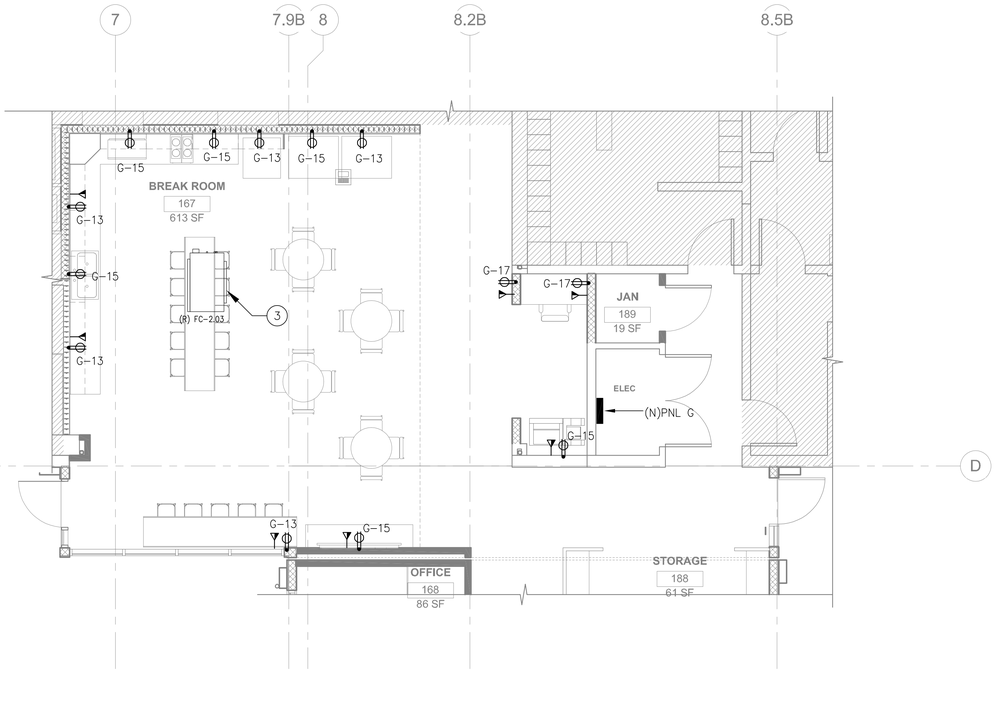
(N)PANEL G

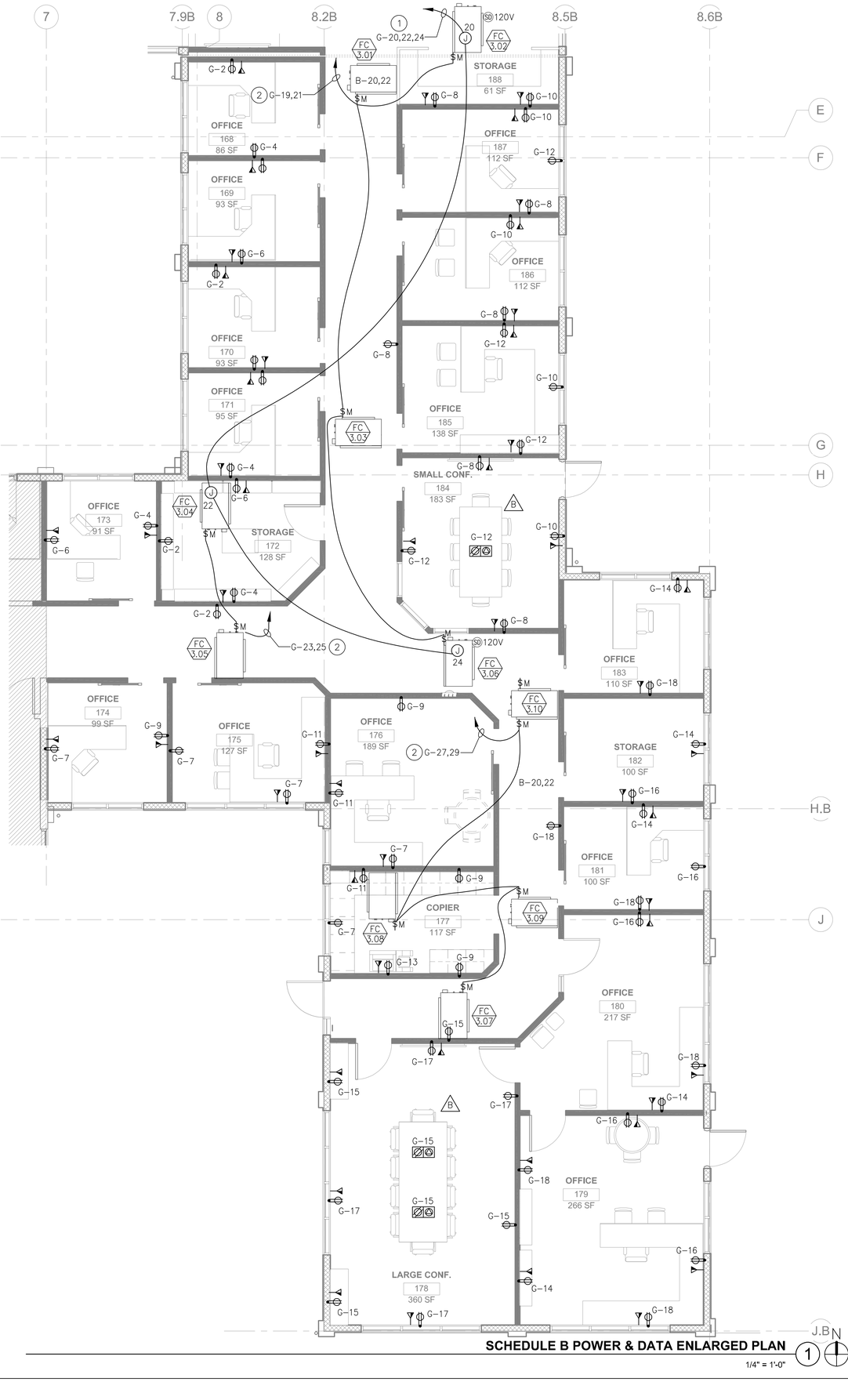
LOCATION: SEE ELECTRICAL PLAN | Bus Rating: **225A** | 208Y/120V, 3ø, 4W
MAIN: 100A/3P | MOUNTING: SURFACE
PANEL DEVICE MIN A.I.C. RATING

LOCATION	VOLTAMPS øA	VOLTAMPS øB	VOLTAMPS øC	CIR	BRK	A	B	C	BRK	CIR	VOLTAMPS øA	VOLTAMPS øB	VOLTAMPS øC	LOCATION
LTG.- OFFICE	1200			1	20	*			20	2	720			REC.- OFFICE
LTG.- OFFICE		1200		3	20		*		20	4		540		REC.- OFFICE
LTG.- HALLWAY			685	5	20			*	20	6			540	REC.- OFFICE
REC.- OFFICE	900			7	20	*			20	8	900			REC.- OFFICE
REC.- OFFICE		900		9	20		*		20	10		720		REC.- OFFICE
REC.- OFFICE			720	11	20			*	20	12			720	REC.- OFFICE
REC.- OFFICE	180			13	20	*			20	14	900			REC.- OFFICE
REC.- OFFICE		720		15	20		*		20	16		900		REC.- OFFICE
REC.- OFFICE			720	17	20			*	20	18			900	REC.- OFFICE
FC-3.01, 3.02, 3.03, 3.06	791			19	15	*			20	20	500			DUCT DETECTOR
-		791		21	2P		*		20	22		500		DUCT DETECTOR
FC-3.04, 3.05			229	23	15			*	20	24				
-	229			25	2P	*			20	26				
FC-3.07, 3.08, 3.09, 3.10		458		27	15		*		20	28				
-			458	29	2P			*	20	30				
				31	20	*			100	32				
				33	20		*		2P	34				
				35	20			*	20	36				
				37	20	*			20	38				
				39	20		*		20	40				
				41	20			*	20	42				
	øA = 6320					øB = 6729						øC = 4972		

TOTAL CONNECTED VA =	18 KVA
+ 25% LCL =	KVA
TOTAL	18 KVA
CONNECTED LOAD =	50 A
MINIMUM FEEDER SIZE =	50 A



SCHEDULE B BREAK ROOM POWER ENLARGED FLOOR PLAN (2)
1/4" = 1'-0"



SCHEDULE B POWER & DATA ENLARGED PLAN (1)
1/4" = 1'-0"

KEYNOTES

1. PROVIDE 1/2"C-4#12, #12 GND. TO PANEL G IN 1ST FLOOR ELECTRICAL ROOM FOR DUCT SMOKE DETECTOR.
2. PROVIDE 1/2"C., 3#12, 1#12 GND TO PANEL G IN 1ST FLOOR ELECTRICAL ROOM.
3. EXISTING TO REMAIN. PROTECT IN PLACE.

BID SET
NOT FOR CONSTRUCTION
08/30/2018

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PROJ. NO. 67-8E

NO.	DATE	REVISION

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OLIVENHAIN - NEW AND REMODELED OPERATIONS AND ADMINISTRATION FACILITIES

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DRAWN	CHECKED
Author	Checker

PROJECT NO. 1516
DATE 08.24.18
SHEET NAME SCHEDULE B POWER & DATA ENLARGED PLAN

E8.1B

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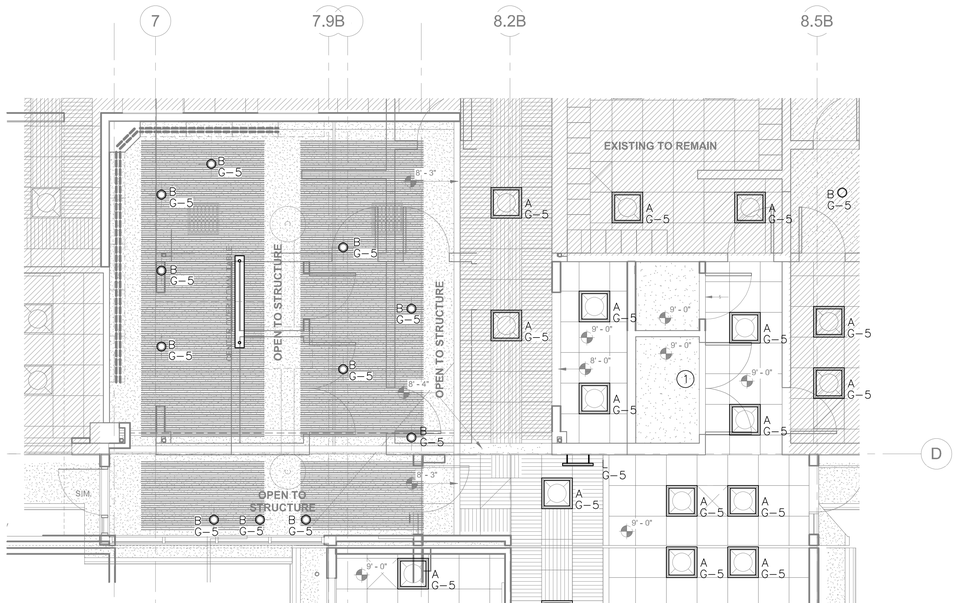
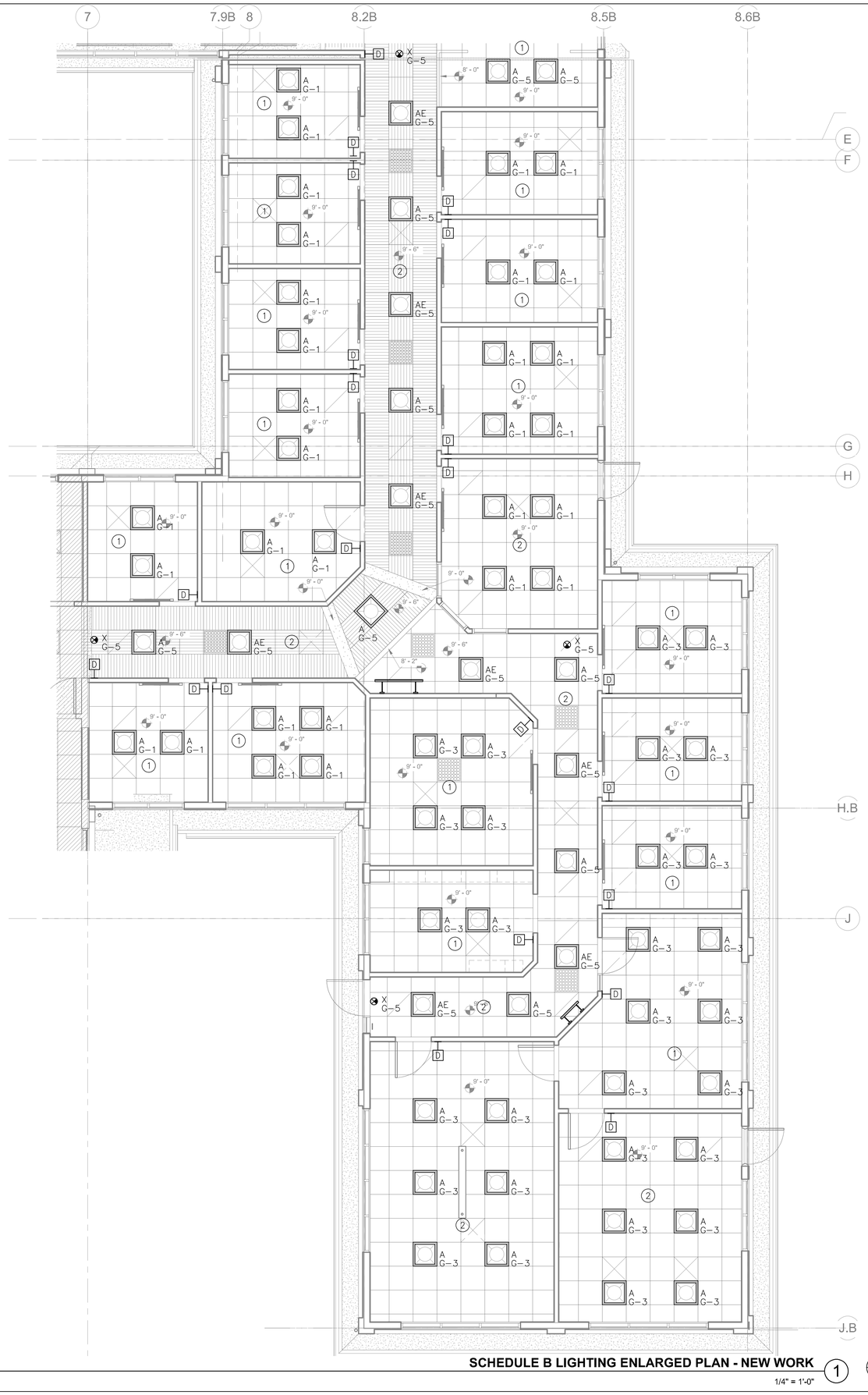


SCHEDULE B LIGHTING ENLARGED PLAN - NEW WORK (2)

1/4" = 1'-0"



SCHEDULE B LIGHTING ENLARGED PLAN - NEW WORK (1)

1/4" = 1'-0"

N

GENERAL NOTES

1. CONTRACTOR SHALL CIRCUIT ALL NEW LIGHTING TO PANEL A. CIRCUIT NUMBERS NOTED.
2. DRAWINGS ARE DIAGRAMMATIC ONLY. ROUTING OF RACEWAYS AND CONDUCTORS SHALL BE AT THE OPTION OF THE CONTRACTOR UNLESS OTHERWISE NOTED AND SHALL BE COORDINATED WITH OTHER SECTIONS. DO NOT SCALE THE ELECTRICAL DRAWINGS FOR LOCATIONS OF ANY ELECTRICAL, ARCHITECTURAL, STRUCTURAL, CIVIL, OR MECHANICAL ITEMS OR FEATURES.

KEYNOTES

(1) SEE DETAIL 1 ON SHEET 5.0 FOR LIGHTING CONTROL.

(2) SEE DETAIL 2 ON SHEET E5.0 FOR LIGHTING CONTROL.

(3) SEE DETAIL 3 ON SHEET E5.0 FOR LIGHTING CONTROL.

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NOT FOR CONSTRUCTION
08/30/2018

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DRAWN	CHECKED
Author	Checker

PROJECT NO. 1516

DATE 08.24.18

SHEET NAME SCHEDULE B LIGHTING ENLARGED PLAN - NEW WORK

E8.2B

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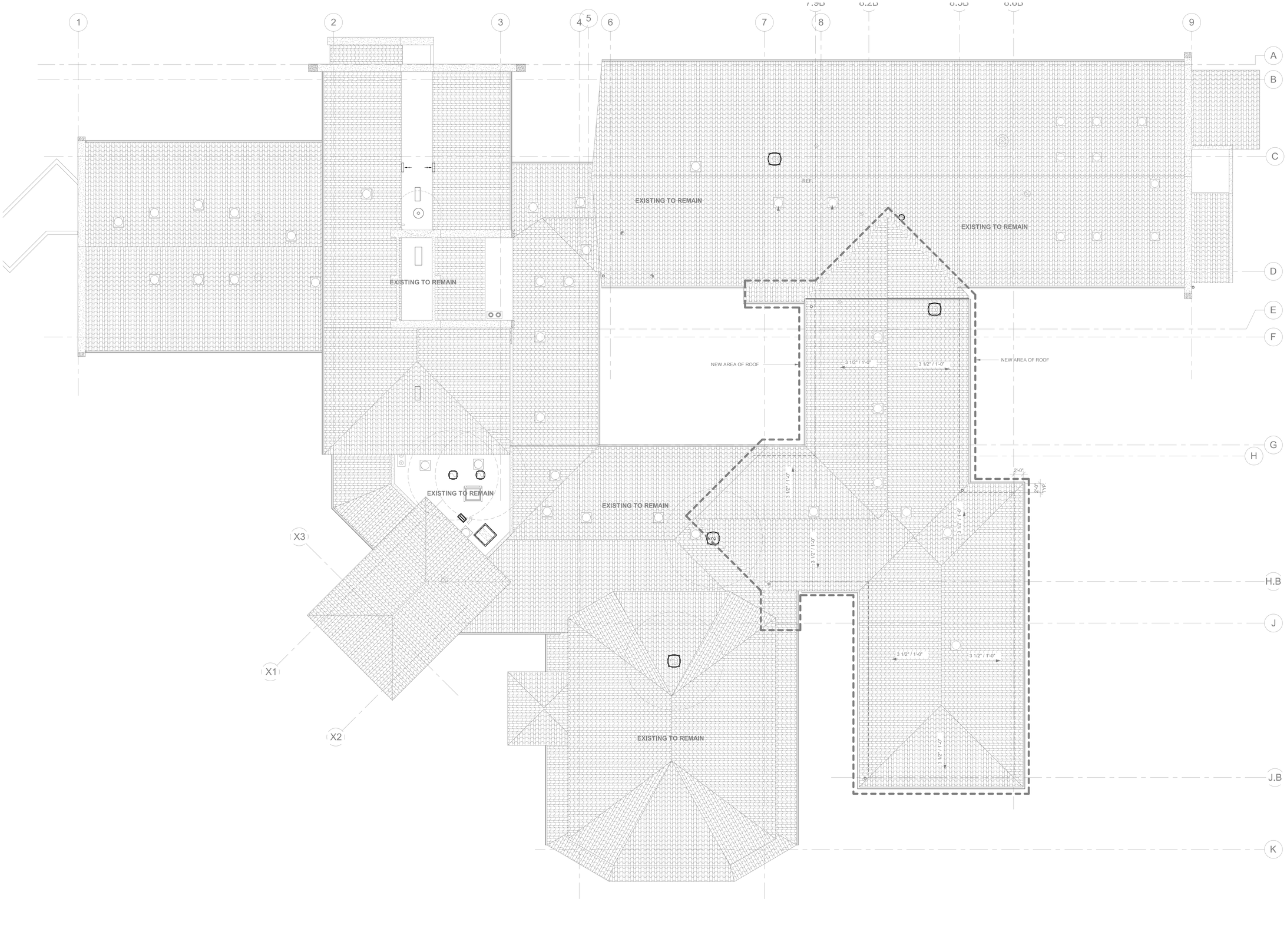

SCHEDULE B ROOF PLAN - NEW WORK (1)

1/8" = 1'-0"

N

GENERAL NOTES

1. NOT USED

BID SET
NOT FOR CONSTRUCTION
08/30/2018

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STATE OF CALIFORNIA

DRAWN	CHECKED
Author	Checker

PROJECT NO. 1516

DATE 08.24.18

SHEET NAME SCHEDULE B ROOF PLAN - NEW WORK

E8.3B

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PIPE SIZE SCHEDULE 8" PER SEC

PIPE SIZE	GPM (MAX)	VELOCITY FT./SEC	FIXTURE UNITS	
			FLUSH TANK	FLUSH VALVE
1/2"	4	6	4	–
3/4"	12	8	16	–
1"	20	8	30	–
1-1/4"	30	8	54	13
1-1/2"	40	8	86	28
2"	70	8	225	108

PIPE SIZE SCHEDULE 5" PER SEC

PIPE SIZE	GPM (MAX)	VELOCITY FT./SEC	FIXTURE UNITS	
			FLUSH TANK	FLUSH VALVE
1/2"	3.5	5	4	–
3/4"	7	5	8	–
1"	14	5	20	–
1-1/4"	19	5	28	–
1-1/2"	27	5	46	–
2"	–	–	–	–

*PIPE SIZING BASED ON 16.23 PSI/100' ALLOWABLE PRESSURE DROP FROM AS-BUILTS.

FIXTURE CONNECTION SCHEDULE

MARK	DESCRIPTION	MINIMUM PIPE CONNECTION					MANUFACTURER / MODEL NUMBER	REMARKS
		CW ROUGH-IN	HW ROUGH-IN	WASTE ROUGH-IN	WASTE	VENT		
S-1	BREAKROOM SINK	1/2"	1/2"	2"	2"	2"	ELKAY #LRAD1720-17F 17" X 22" X 5-1/2" SINGLE BOWL SINK, 304 STAINLESS STEEL. PROVIDE WITH ZURN #Z812A4-XL 4" CENTERSET FAUCET, POLISHED CHROME, AND 1.5 VANDAL-RESISTANT AERATOR.	SEE ARCHITECTURAL DRAWINGS FOR MOUNTING HEIGHT
IMB-1	ICE MAKER BOX		–	–	1/2	–	GUY GRAY # SSIB1, STAINLESS STEEL, ICE MAKER BOX.	4-1/2" DEEP CABINET

INSTANTANEOUS WATER HEATER SCHEDULE

UNIT NO.	MANUFACTURER & MODEL NO.	SERVICE	LOCATION	TYPE	DEGREE RISE °F AT 0.75 GPM	SYSTEM OUTLET TEMP. (°F)	ELECTRICAL DATA		OPER. WT. (LBS)	REMARKS
							V/PH/HZ	WATTS		
IWH 1	CHRONOMITE SR-20L / 277	BREAK ROOM SINK	UNDER COUNTER BREAK ROOM SINK	INSTANTANEOUS	50	110	277/1/60	5540	5	CAST ALUMINUM HOUSING WITH CELCON PLASTIC ELEMENT ASSEMBLY AND NICHROME COILS.

TRAP PRIMER

UNIT NO.	MANUFACTURER & MODEL NO.	DESCRIPTION	OVERALL DIMENSIONS (LxWxD)	REMARKS
TP 1	PPP, INC. # PR-500	TRAP PRIMER	1/2"ø x 5"	BRASS BODY, PISTON OPERATED. INCLUDE PPP # DU-4 DISTRIBUTION UNIT FOR MULTIPLE DRAIN CONNECTIONS. INSTALL BOTTOM OF DISTRIBUTION UNIT MIN. 12" AFF. TO INSURE PROPER FLOW OF PRIMING WATER TO DRAIN TRAP CONNECTION.

BID SET
NOT FOR CONSTRUCTION
08/30/2018

DEC ENGINEERS
7260 CARROLL ROAD, STE. 100
SAN DIEGO, CA 92121
P: 858 578.3270 F: 858 578.3273
DEC PROJECT #4628

REGISTERED PROFESSIONAL ENGINEER
CHRISTOPHER D. DUDNEY
NO.M30087
EXP. 9/18
CIVIL
STATE OF CALIFORNIA

NO.	DATE	REVISION

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OLIVENHAIN - NEW AND REMODELED OPERATIONS AND ADMINISTRATION FACILITIES

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C-18627
06/30/19
STATE OF CALIFORNIA

DRAWN	CHECKED
DEC	AG
PROJECT NO.	
1316	
DATE	
08.24.18	

P0.2B

SHEET NAME
PLUMBING SCHEDULES

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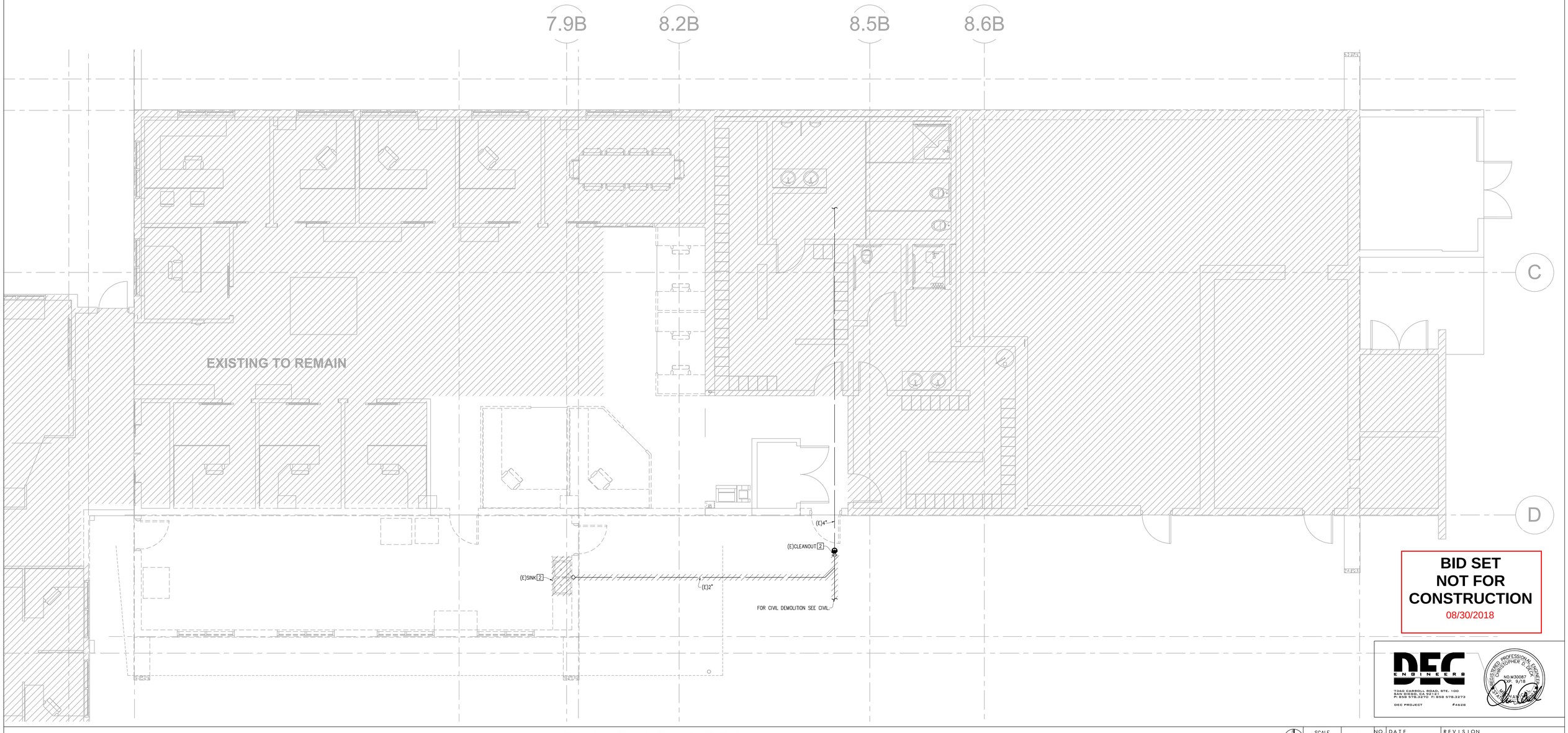

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PLUMBING DEMOLITION FLOOR PLAN

SCALE 1/4" = 1'-0"

1

NO.	DATE	REVISION

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DEMOLITION NOTES

1 DEMOLISH EXISTING SINK AND APPURTENANCES.

2 DEMOLISH EXISTING PIPING AND CLEANOUT TO POINT OF DISCONNECT SHOWN.

GENERAL NOTES

-

OLIVENHAIN - NEW AND REMODELED OPERATIONS AND ADMINISTRATION FACILITIES

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LICENSED ARCHITECT LANCE L. HAIST STATE OF CALIFORNIA REG. 18627 06/30/19

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SHEET TITLE: PLUMBING DEMOLITION FLOOR PLAN

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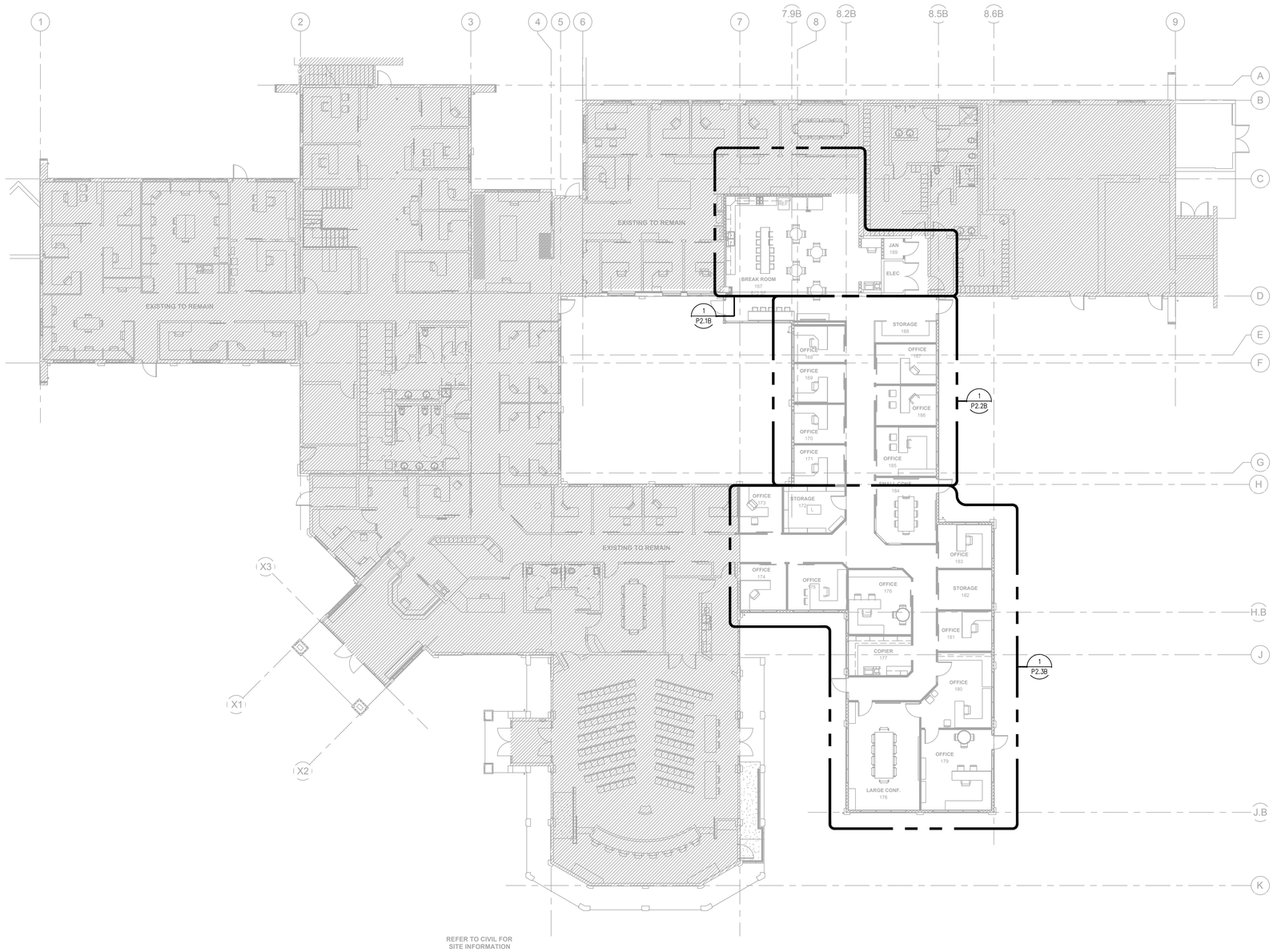

BID SET
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REGISTERED PROFESSIONAL ENGINEER CHRISTOPHER D. DECK NO.M30087 EXP. 9/18 STATE OF CALIFORNIA

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PROJECT NO. 1516	
DATE 08.24.18	
SHEET NAME PLUMBING OVERALL NEW WORK PLAN	

P2.0B

SCALE 3/32" = 1'-0"

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PLUMBING OVERALL NEW WORK PLAN

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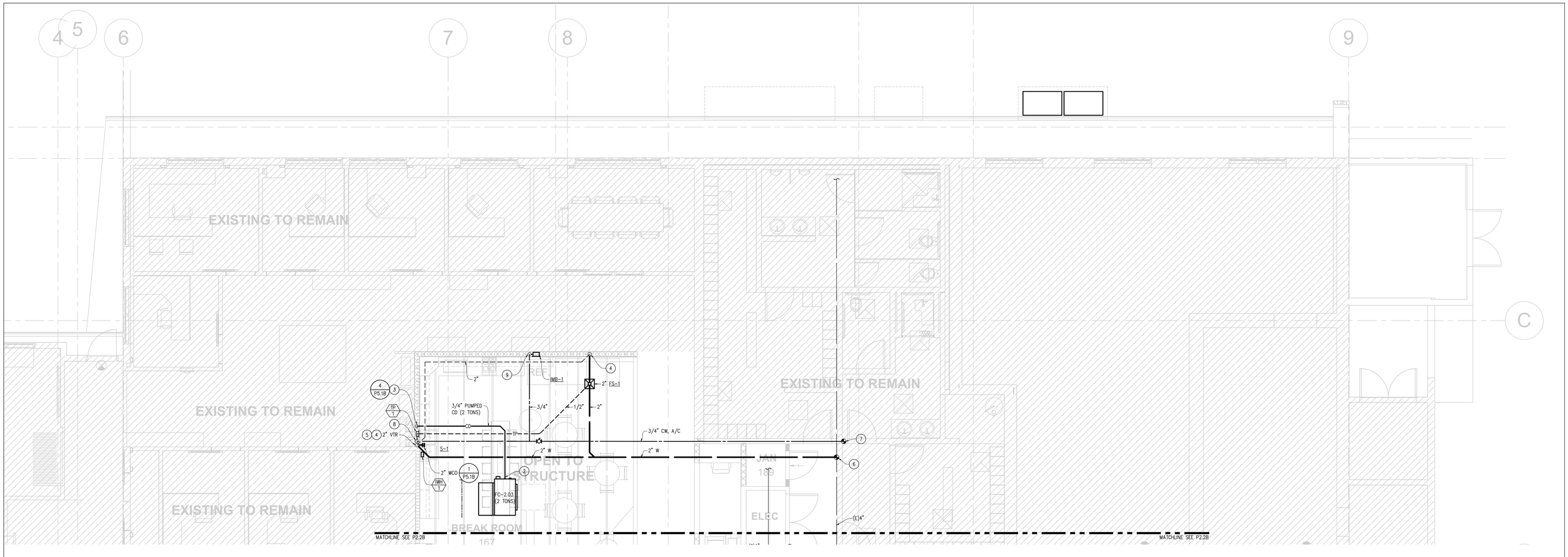

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CONSTRUCTION
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DEC PROJECT #4628

REGISTERED PROFESSIONAL ENGINEER CHRISTOPHER D. DECK NO.M30087 EXP. 9/18 STATE OF CALIFORNIA

PLUMBING NEW WORK FIRST FLOOR PLAN - BUILDING B

SCALE 1/4" = 1'-0"

1

NO.	DATE	REVISION

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NEW WORK NOTES

1. NOT USED.
2. PUMP CONDENSATE TO HIGHEST POINT.
3. 3/4" CONDENSATE DOWN IN WALL AND TO TALLPIECE OF SINK P-TRAP.
4. 2" WASTE DOWN, 2" VENT UP.
5. PLUMBING VENTS THRU ROOF SHALL BE LOCATED A MINIMUM OF 10'-0" AWAY FROM OUTSIDE AIR INTAKE. (TYP)
6. P.O.C.2" WASTE TO EXISTING 4" WASTE B/S.
7. P.O.C. 1/2" CW TO EXISTING 1/2" CW IN THIS AREA. CONTRACTOR TO FILED VERIFY EXCAXT LOCATION PRIOR TO CONSTRUCTION.
8. 1/2" CW DOWN IN WALL TO SINK. ROUTE CW TO INSTANTANEOUS WATER HEATER AND REFER TO MANUFACTURE'S INSTALLATION INSTRUCTIONS.
9. 1/2" CW DOWN IN WALL TO ICE MAKER BOX. COORDINATE EXACT LOCATION WITH ARCHITECT PRIOR TO INSTALLATION.

GENERAL NOTE

1. FOR VENT THRU ROOF PENETRATION DETAIL, REFER TO 9/A9.5.

OLIVENHAIN - NEW AND REMODELED OPERATIONS AND ADMINISTRATION FACILITIES

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PROJECT NO. 1516

DATE 08.24.18

SHEET NAME PLUMBING NEW WORK FIRST FLOOR PLAN - BUILDING B

P2.1B

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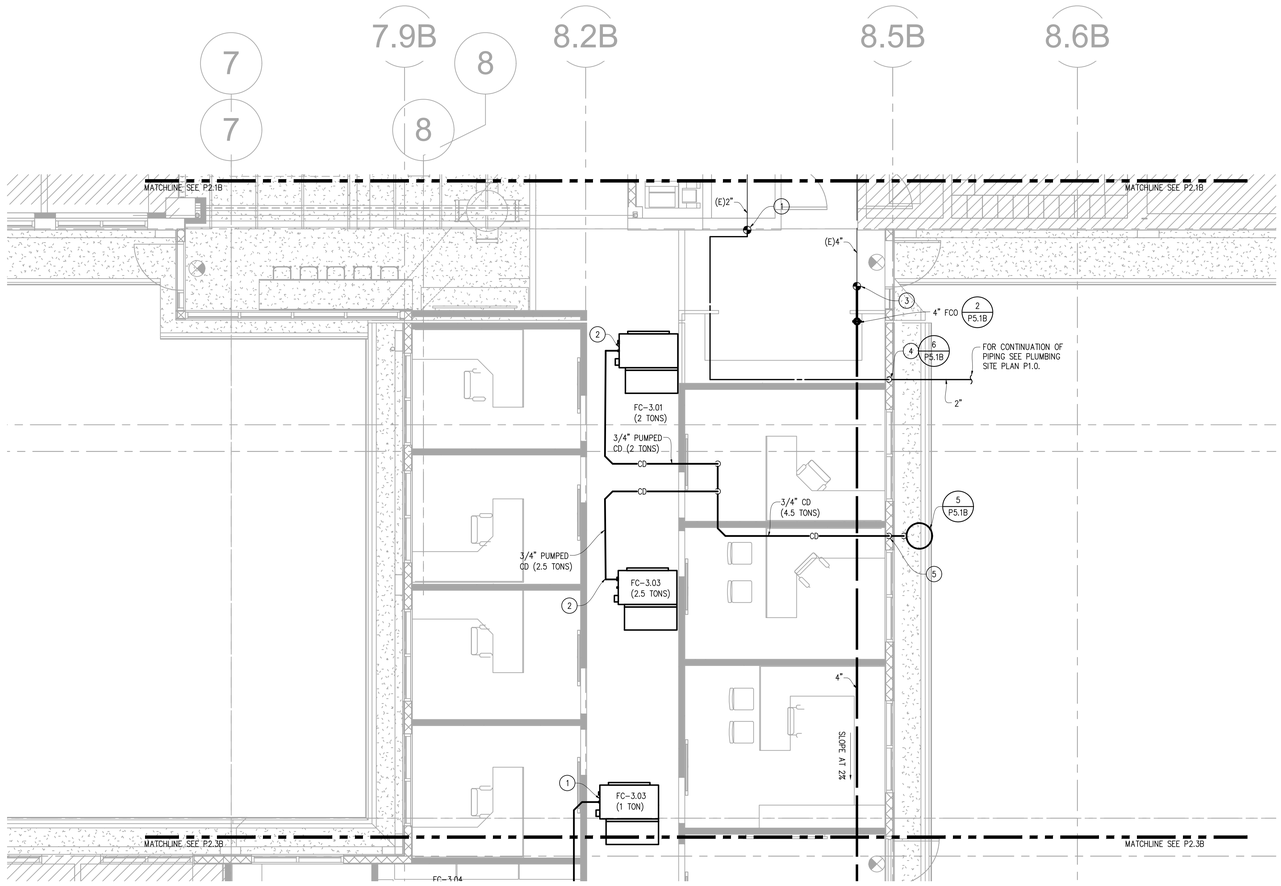

NEW WORK NOTES

1. POINT OF CONNECTION 2" CW TO EXISTING 2" CW ABOVE CEILING.
2. PUMP CONDENSATE TO HIGHEST POINT.
3. POINT OF CONNECTION 4" WASTE BELOW SLAB TO EXISTING 4" WASTE.
4. 2" CW DOWN IN WALL AND TO BELOW GRADE.
5. 3/4" CONDENSATE DOWN IN WALL AND TERMINATE INTRO DRYWELL. PROVIDE AIR GAP AT TERMINATION.

BID SET
NOT FOR CONSTRUCTION
08/30/2018

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CHRISTOPHER S. DECKER
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EXP. 9/18
MECHANICAL

NO.	DATE	REVISION

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EXP. 08/31/19
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DEC	AG
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1516	
DATE	
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P2.2B

SHEET NAME: PLUMBING NEW WORK FIRST FLOOR PLAN

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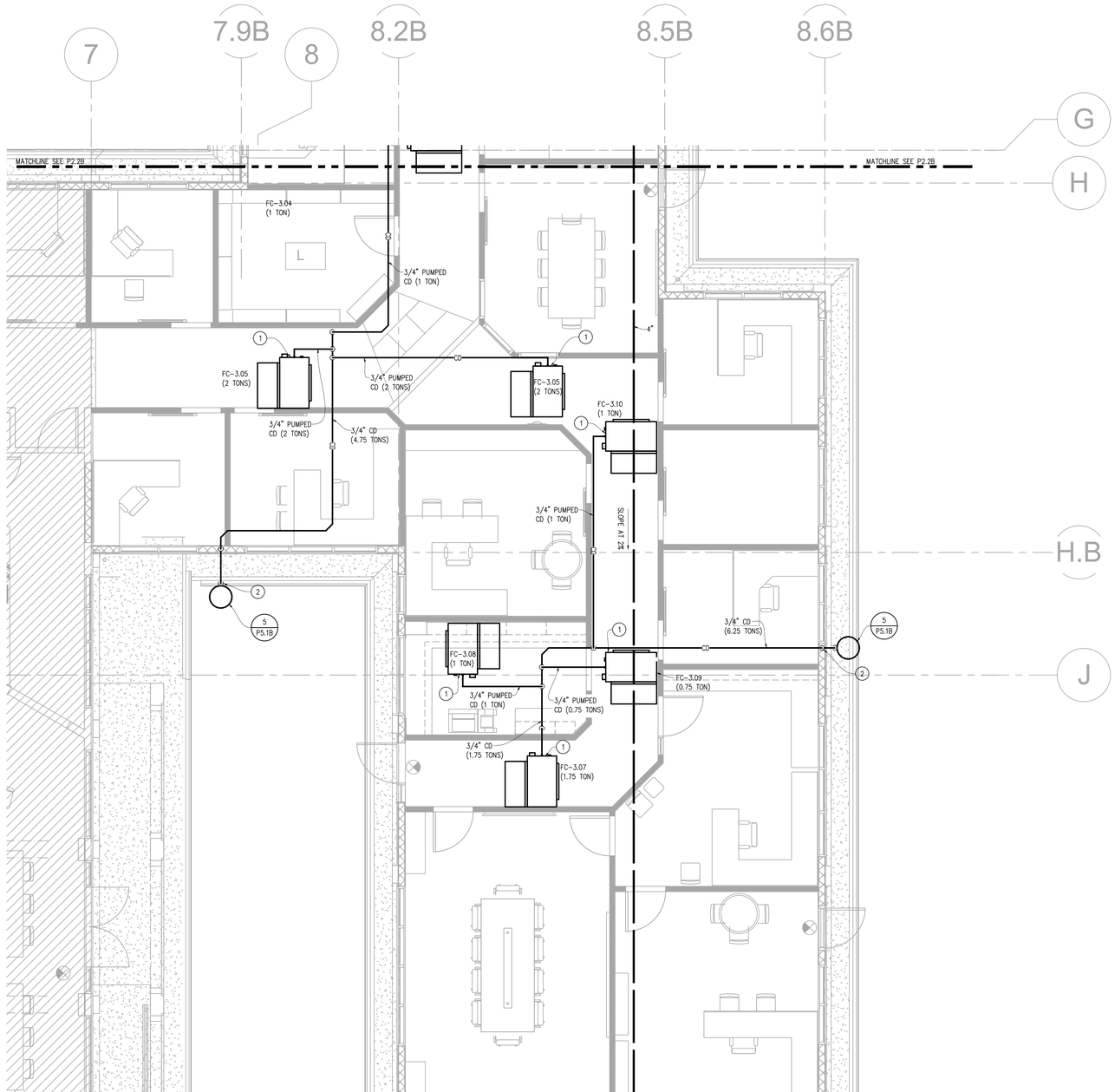
PLUMBING NEW WORK FIRST FLOOR PLAN - BUILDING B

SCALE 1/4" = 1'-0"



NEW WORK NOTES

1. PUMP CONDENSATE TO HIGHEST POINT.
2. 3/4" CONDENSATE DOWN IN WALL AND TERMINATE INTRO DRYWELL. PROVIDE AIR GAP AT TERMINATION.

BID SET
NOT FOR CONSTRUCTION
08/30/2018

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REGISTERED PROFESSIONAL ENGINEER CHRISTOPHER D. DEMPSEY NO.M30087 EXP. 9/18 MECHANICAL

NO.	DATE	REVISION

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OLIVENHAIN - NEW AND REMODELED OPERATIONS AND ADMINISTRATION FACILITIES

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DEC	AG

PROJECT NO. 516

DATE 08.24.18

SHEET NAME: PLUMBING NEW WORK FIRST FLOOR PLAN

P2.3B

PLUMBING NEW WORK FIRST FLOOR PLAN - BUILDING B

SCALE 1/4" = 1'-0"

1

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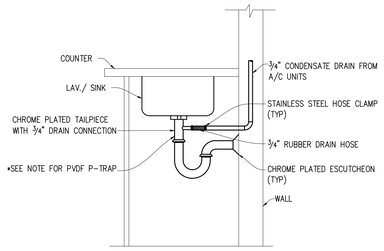
CONDENSATE TO P-TRAP CONNECTION



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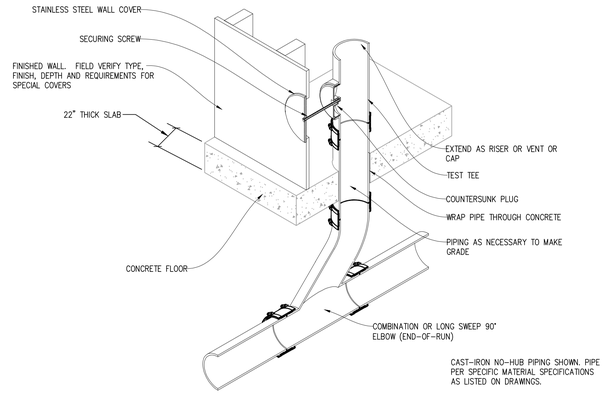
WALL CLEANOUT



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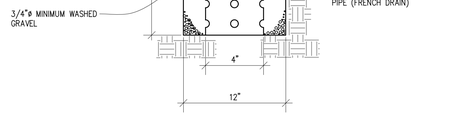
DRY WELL



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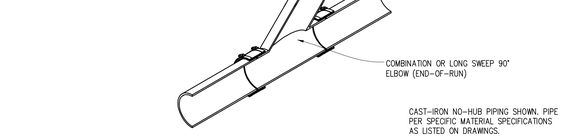
FLOOR CLEANOUT



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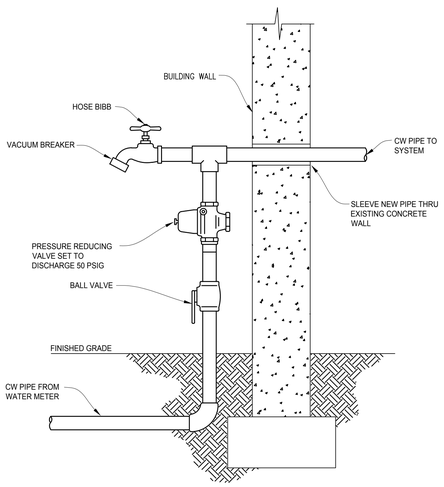
SCALE NONE | 9

WATER SERVICE TO BUILDING



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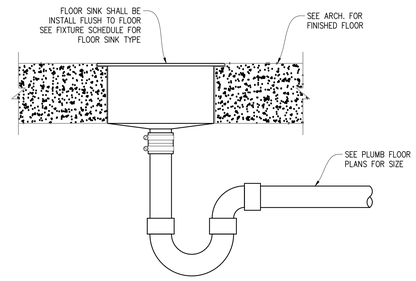
FLOOR SINK DETAIL



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08/30/2018

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OLIVENHAIN - NEW AND REMODELED OPERATIONS AND ADMINISTRATION FACILITIES

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LICENSED ARCHITECT CHRISTOPHER J. WELLS C-18627 06/30/19 STATE OF CALIFORNIA

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DEC	AG

PROJECT NO. 1516

DATE 08.24.18

SHEET NAME PLUMBING DETAILS

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