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RSN: *1186837*
Permit #: *17-1253295-LT*

INTERIOR PACKAGE

City of Aurora Building Division
Reviewed for Code Compliance
Approved as Noted: *John Lichtner*
Date: *Feb 24, 2017*
2015 INTERNATIONAL CODES & 2014 NEC

A RENOVATION FOR MEDICAL CENTER II

FOR HCP

1411 S POTOMAC
AURORA, CO 80012

Code violations that are found during inspection are required to be corrected. Permit issuance does not grant approval of a code violation.

Field Inspection consultation is available upon request. Call 303-739-7420 to request a consultation

Structural plan review is limited to a general survey for code compliance. No review is implied nor was undertaken to verify structural adequacy.

This plan is reviewed to **IBC** but the existing building is NOT converted to **IBC**. The construction type listed is **UBC.** Occupancy group is **IBC.**

City of Aurora Building Division
Project: ***AURORA MEDICAL CENTER INT REM***
Address: ***1411 S POTOMAC ST***
Occupancy Group: ***B***
Construction Type: ***II-B-SPK***
RSN: ***1186837***
Permit: ***17-1253295-LT***

NOVEMBER 11, 2016
PROJECT NO. 0416

SEPARATE FIRE ALARM PERMIT REQUIRED: Due to the proposed work the general contractor is required to obtain the services of a fire alarm contractor to determine if a separate alarm permit is required. If it is determined that the spacing of the fire alarm devices is not in compliance, then a separate fire alarm permit is required. Approval of the documents is required prior to system installation or any request for inspection. A certificate of occupancy or final approval cannot be issued by the Building Division without this fire protection system. **2015 IFC, Section 105.7.6.**

SEPARATE FIRE SPRINKLER PERMIT REQUIRED: Due to the proposed work the general contractor is required to obtain the services of a fire sprinkler contractor to determine if a separate sprinkler permit is required. If it is determined that the spacing of the fire sprinkler heads is not in compliance, then a separate fire sprinkler permit is required. Approval of the documents is required prior to system installation or any request for inspection. A certificate of occupancy or final approval cannot be issued by the Building Division without this fire protection system. **2015 IFC, Section 105.7.1.**

INTERIOR DWG. SET
A RENOVATION FOR
MEDICAL CENTER II
FOR HCP
1411 S POTOMAC ST
AURORA, CO
80012

CASSETTY
ARCHITECTURE

STATE OF COLORADO
J. CLINTON CASSETTY
ARC.00404458
12/5/16
LICENSED ARCHITECT

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ORIG. ISSUE DATE:
11-11-2016

1 — 1-19-17 OWNER CHG.
2 — 2-14-17 OWNER CHG.

PROJECT NUMBER
0416

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GENERAL NOTES

1. DO NOT SCALE DRAWINGS, IF DIMENSIONS ARE IN QUESTION, THE CONTRACTOR SHALL BE RESPONSIBLE FOR CLARIFICATION FROM THE ARCHITECT BEFORE CONTINUING WITH CONSTRUCTION. THE CONTRACTOR SHALL FIELD VERIFY ALL DIMENSIONS AND EQUIPMENT LOCATIONS.
2. PROVIDE CHASES FOR MECHANICAL DUCTWORK AND PLUMBING AS REQUIRED.
3. DIMENSIONS FOR NEW CONSTRUCTION ARE TO FACE OF GYPSUM BOARD PARTITIONS, FACE OF MASONRY PARTITIONS, FACE OF EXISTING PARTITIONS, AND TO CENTERLINE OF COLUMNS. DIMENSIONS INDICATE NOMINAL DIMENSIONS RATHER THAN ACTUAL DIMENSIONS.
4. EXTEND ALL FIRE RATED PARTITIONS TO DECK. SEAL TIGHT W/ FIRE SAFING.
5. WHERE WALL DESIGNATIONS APPEAR ON BOTH SIDES OF DOORS AND WINDOWS. WALL TYPE SHALL CONTINUE ABOVE FRAME TO STRUCTURE ABOVE.
6. PROVIDE RATED WALL BEHIND FIRE EXT. CABINET WHERE CABINET(S) OCCUR IN RATED WALL(S).
7. CONCEAL PIPING IN DRYWALL. WHERE PIPING IS TOO LARGE. FURR OUT WALLS AS REQUIRED TO CONCEAL PIPING, UNLESS NOTED OTHERWISE.
8. PROVIDE CHASES AS REQUIRED FOR MECHANICAL DUCTWORK. REFER TO MECHANICAL DRAWINGS FOR SIZE OF DUCTWORK. WALLS ARE TO BE FURRED OUT TO CONCEAL DUCTWORK, UNLESS NOTED OTHERWISE.
9. DO NOT FURR ON CORRIDOR SIDE OF WALLS.
10. PROVIDE DOUBLE STUDS AND BLOCKING TO SUPPORT ALL WALL MOUNTED SPECIALITIES, EQUIPMENT AND/OR MISCELLANEOUS ITEMS, EG., TYPICAL CASEWORK, CABINETS, BRACKETS AND GRAB BARS, ALL WOOD BLOCKING TO HAVE A FIRE RETARDANT TREATMENT. (ASTM E84)
11. ALL INDICATED EQUIPMENT THAT IS SCHEDULED TO BE FURNISHED BY THE OWNER SHALL BE RECEIVED AND STORED BY THE GENERAL CONTRACTOR. CONTRACTOR TO COORDINATE WITH THE OWNER ON DELIVERY AND INSTALLATION OF EQUIPMENT.
12. IN THE EVENT DISCREPANCIES ARE FOUND IN THE DRAWINGS, OR IF PROBLEMS ARE FOUND IN THE DRAWINGS, OR IF PROBLEMS ARE ENCOUNTERED DURING CONSTRUCTION, THE CONTRACTOR SHALL NOTIFY THE ARCHITECT FOR CLARIFICATION PRIOR TO CONTINUING WORK IN QUESTION.
13. REFER TO ARCHITECTURAL, STRUCTURAL, INTERIOR, MECHANICAL, PLUMBING ELECTRICAL , AND AUDIO/VIDEO DRAWINGS FOR ADDITIONAL INFORMATION.
14. REFER TO INDIVIDUAL SHEETS FOR ADDITIONAL DRAWING NOTES.
15. ALL WOOD USED IN AREAS WHERE EXPOSURE TO MOISTURE IS POSSIBLE AND AT EXTERIOR WALLS SHALL BE TREATED TO RESIST ROT.
16. REFER TO THE PROJECT MANUAL AND DRAWINGS FOR DOOR, FRAME AND HARDWARE SCHEDULES.
17. ALL BOLTED CONSTRUCTION SHALL BE TACK WELDED AFTER ERECTION.
18. REFER TO THE PROJECT MANUAL AND DRAWINGS FOR FINISH INFORMATION.
19. THE CONTRACTOR SHALL NOTIFY THE ARCHITECT IMMEDIATELY IF ANY WORK INDICATED IN THE CONTRACT DOCUMENTS CANNOT BE PERFORMED DUE TO EXISTING FIELD CONDITIONS, AND SHALL OBTAIN CLARIFICATION PRIOR TO CONTINUING WORK IN QUESTION.
20. CONSTRUCTION SHALL BE IN ACCORDANCE WITH ALL GOVERNING CODES. COORDINATE SPECIFIC LIFE SAFETY REQUIREMENTS WITH FIRE MARSHALL AND PLANS EXAMINER.
21. EQUIPMENT AND/OR FURNITURE DENOTED ON THE CONTRACT DOCUMENTS WITH A DASHED LINE SHALL BE FURNISHED BY THE OWNER. THE CONTRACTOR SHALL COORDINATE WITH THE OWNER ON DELIVERY AND SHALL INSTALL.
22. PATCH ALL WALLS DISTURBED BY CONSTRUCTION TO MATCH EXISTING. SEAL FIRE RATED CONSTUCTION TO MATCH ADJACENT RATINGS IN ALL PARTITIONS
23. REPAIR CEILINGS, WALLS, AND FLOORS WHERE DISTURBED BY CONSTRUCTION.
24. CONTRACTOR IS RESPONSIBLE FOR ALL SUBMITTALS AND OBTAINING PERMITS OF SITE SIGNS WITH GOVERNMENT AGENCIES.

SUBSTANTIAL COMPLETION REVIEW CHECKLIST

PROVIDE THE FOLLOWING CERTIFICATIONS ON OR BEFORE SUBSTANTIAL COMPLETION:

1. FINAL TYPEWRITTEN TESTING AND BALANCING REPORT.
2. DOMESTIC WATER PIPING STERILIZATION REPORT.
3. AUTOMATIC SPRINKLER ABOVE GROUND PIPING CERTIFICATION.
4. MEDICAL GAS SYSTEM CERTIFICATION..
5. FIRE ALARM SYSTEM CERTIFICATION, INCLUDING SMOKE DETECTOR SENSITIVITY TEST REPORT.
6. EQUIPOTENTIAL GROUNDING TEST REPORT IN ACCORDANCE WITH NFPA 99.
7. GENERATOR 4 HOUR LOAD BANK TEST REPORT.
8. WRITTEN CONFIRMATION THAT ALL ITEMS ON ALL PREVIOUS OBSERVATION REPORTS HAVE BEEN CORRECTED.
9. SEE SPECIFICATIONS FOR FURTHER REQUIREMENTS.

FINAL HEALTH DEPT. REVIEW CHECKLIST

1. PERSONNEL REQUIRED TO BE PRESENT DURING FINAL STATE HEALTH DEPT. ON SITE REVIEW.
   - A. GENERAL CONTRACTOR' S PROJECT MGR. AND SUPERINTENDANT.
   - B. WALL BOARD (FIREWALL SEALER) SUBCONTRACTOR
   - C. MECHANICAL SUBCONTRACTOR REPRESENTATIVE FAMILIAR WITH THE INSTALLATION.
   - D. ELECTRICAL SUBCONTRACTOR REPRESENTATIVE FAMILIAR WITH THE INSTALLATION.
   - E. FIRE ALARM SUBCONTRACTOR REPRESENTATIVE FAMILIAR WITH THE INSTALLATION.
   - F. NURSE CALL VENDOR OR SPECIALIST.
   - G. AUTOMATIC FIRE SPRINKLER CONTRACTOR.
   - H. EMERGENCY GENERATOR SPECIALIST.
2. DURING THE FINAL REVIEW BY THE INSPECTOR THE CONTRACTOR SHALL HAVE A LADDER AND FLASHLIGHT, AND TWO WAY COMMUNICATION DEVICES AVAILABLE TO THE INSPECTOR.

SYMBOLOGY

DETAIL NUMBER 1 / A2 / SHEET NUMBER	BUILDING SECTION TAG
4	ELEVATION TAG
DETAIL NUMBER 1 / A2 / SHEET NUMBER	WALL SECTION TAG
A	WINDOW TAG
ROOM NO. 100 / DOOR NO. 01	DOOR NUMBER TAG
DETAIL NUMBER 1 / A8 / SHEET NUMBER	ENLARGED PLAN TAG
1 / 3.00	REVISION TAG / ELEVATION BULLET
	HANDICAP ACCESSIBILITY SYMBOL (WHEELCHAIR)
A	INTERIOR ELEVATION TAG
	EXISTING DOOR TO REMAIN
FE	WALL MOUNTED FIRE EXTINGUISHER
FEC	FIRE EXTINGUISHER & CABINET

ABBREVIATIONS

A.D.	AUTOMATIC DOOR	MACH.	MACHINE
A.D.P.	AUTOMATED DATA PROCESSING	MED.	MEDICAL
A.F.F.	ABOVE FINISHED FLOOR	MED. CAB.	MEDICAL CABINET
A.T.	ACOUSTICAL TILE	MFR.	MANUFACTURE
ACOUST.	ACOUSTICAL	MGT.	MANAGEMENT
ADD'L.	ADDITIONAL	MH.	MANHOLE
ADJ.	ADJUSTABLE	MIN.	MINIMUM
ADMIN.	ADMINISTRATION	MIR.	MIRROR
ADMIN.	ADMINISTRATOR	MISC.	MISCELLANEOUS
ALUM.	ALUMINUM	MAINT.	MAINTENANCE
APPROX.	APPROXIMATE	MR/S	MIRROR WITH SHELF
ASST.	ASSISTANT	MANG.	MANAGEMENT
B/B	BALLED AND BURLAPPED	MAT'L	MAT'L MATERIAL
BR.	BARE ROOT	MAX	MAXIMUM
BRKT.	BRACKET	MECH.	MECHANICAL
BRKTS.	BRACKETS	MTD.	MOUNTED
B.W.	BOTTOM OF THE WALL	MTL.	METAL
C'SNK	COUNTERSUNK	N.I.C.	NOT IN CONTRACT
C.B.	CATCH BASIN	NO.	NUMBER
C.C.T.	CUBICLE CURTAIN TRACK	NOM.	NOMINAL
C.J.	CONTROL JOINT	O.C.	ON CENTER
C.M.U.	CONCRETE MASONRY UNIT	O.D.	OVERFLOW DRAIN
C.S.W.U.	COHERENT STRUCT. WALL UNIT	O.F.E.	OWNER FURNISHED EQUIPMENT
C.T.	CERAMIC TILE	OPER.	OPERATIONS
C/T BD.	CHALK/TACK BOARD	OPNG.	OPENING
CAB.	CABINET	OPP.	OPPOSITE
CASS.	CASSETTE	ORTH.	ORTHOTIC
CHEM.	CHEMICAL	P.B.P.U.	PATIENTS BEDSIDE POWER UNIT
CLG.	CEILING	P.I.P.U.	PREFAB ISOLATION POWER UNIT
CLO.	CLOSET	P.P.G.	POLISHED PLATE GLASS
CN.	CAN	P.R.V.	POWER ROOF VENTILATOR
COL.	COLUMN	P.P.T.	PRESSURE PRESERVATIVE TREATED
COMP.	COMPUTER	PART'N(S)	PARTITION(S)
CONC.	CONCRETE	PAT.	PATIENT
CONF.	CONFERENCE	PL/PLAS.	PLASTER
CONST.	CONSTRUCTION	PLAS. LAM.	PLASTIC LAMINATE
CONT.	CONTINUOUS	PLY. WD.	PLYWOOD
CORR.	CORRIDOR	PREP.	PREPARATION
CRT.	CATHODE RAY TUBE	PREV.	PREVENTIVE
CNTR.	COUNTER	PROF.	PROFESSIONAL
CYSTO.	CYSTOSCOPY	PTD	PAPER TOWEL DISPENSER
DIA.	DIAMETER	PTD/D	PAPER TOWEL DISPENSER/DISPOSAL
DIAG.	DIAGONAL	Q.T.	QUARRY TILE
DIM.	DIMENSION	R	RADIUS
DIR.	DIRECTOR	R.D.	ROOF DRAIN
DISP.	DISPENSER	R.O.	ROUGH OPENING
	DOWN SPOUT	REC.	RECOVERY
DTL.	DETAIL	RECPT.	RECEPTION
DWGS.	DRAWINGS	RECVY.	RECOVERY
E.J.	EXPANSION JOINT	REF.	REFRIGERATOR
E.N.T.	EAR, NOSE, AND THROAT	REF.	REFER
E.W.C.	ELECTRIC WATER COOLER	REINF.	REINFORCED
	EACH	REQ'D	REQUIRED
ELEC.	ELECTRICAL	RM.	ROOM
	ELEVATOR	S.& R.	SHELF AND ROD
ELEV.	ELEVATION	SS	SANITARY SEWER
ENCL.	ENCLOSURE	S.S./ S/S	STAINLESS STEEL
EQUIP.	EQUIPMENT	SB	SPLASH BLOCK
EXIST.	EXISTING	SCHD.	SCHEDULE
EXP.	EXPOSED, EXPANSION	SCR	SHOWER (DRESSING) CURTAIN ROD
EXT.	EXTERIOR	SD	SOAP DISH
F.D.	FLOOR DRAIN	SDFO	FOOT OPERATED SOAP DISPENSER
F.E.C.	FIRE EXTINGUISHER CABINET	SEC.	SECTION
F.F.E.	FINISH FLOOR ELEVATION	SEC.	SECRETARY
FDS	FOLD DOWN SEAT	SGNL./SIG.	SIGNAL
	FIRE HYDRANT	SHLVG.	SHELVING
FIN.	FINISH	SIM.	SIMILAR
FLR.	FLOOR	SPEC.	SPECIAL
FOB	FACE OF BRICK	SPEC.(S)	SPECIFICATION(S)
FTG.	FOOTING	SSS	STAINLESS STEEL SHELF
F.V.	FIELD VERIFY	STD.	STANDARD
FZR.	FREEZER	STL.	STEEL
G.B.	GRAB BAR	STO./STOR.	STORAGE
GA.	GAUGE	STRUCT.	STRUCTURAL
GAL.	GALLON	SURG.	SURGICAL
GALV.	GALVANIZED	SYS./SYST.	SYSTEM
GEN.	GENERAL	TOIL.	TOILET
GYP.	GYPSUM	TB	TOWEL BAR
GYP. BD.	GYPSUM BOARD	TC.	TOP OF CURB
H.A.C.	HOUSEKEEPING AIDS CLOSET	TBL.	TABLE
H.B.	HOSE BIBB	TECH.	TECHNICIAN
H.M.	HOLLOW METAL	TEL.	TELEPHONE
HCM	HANDICAPPED MIRROR	THK.	THICK
HD.	HEAD	THKNS.	THICKNESS
HRDBD	HARDBOARD	TLT.	TOILET
I.C.U.	INTENSIVE CARE UNIT	TPH	TOILET PAPER HOLDER
I.D.	INSIDE DIAMETER	TRAIN.	TRAINING
I.V.	INTRA-VENOUS	TRANS.	TRANSFORMER
ILLUM.	ILLUMINATOR	TREAT.	TREATMENT
IMMUN.	IMMUNOLOGY	TYP.	TYPICAL
INFO.	INFORMATION	UNEXPD.	UNEXPOSED
INSUL.	INSULATION	URO.	UROLOGY
INT.	INTERIOR	VEST.	VESTIBULE
INV.	INVERT	W.C./WC	W.C./WC WHEEL CHAIR
JT.	JOINT	W.H.F.E.	WALL HUNG FIRE EXTINGUISHER
KIT.	KITCHEN	W/	WITH
LAV.	LAVATORY	WD.	WOOD
LAB.	LABORATORY	WP.	WATERPROOF(ING)
LKR	LOCKER	T.W.	TOP OF WALL
LVS.	LEAVES	SAN	SANITARY
M.O.	MASONRY OPENING		
M.T.	METAL THRESHOLD		

NOTE: CONTACT ARCHITECT IF ABBREVIATION, NOT LISTED, IS NOT UNDERSTOOD.

ELEVATION/PLAN

- CERAMIC TILE/ QUARRY TILE
- BRICK
- MASONRY RUNNING BOND
- GLAZING
- CONCRETE/PLASTER
- CONCRETE BLOCK

SECTION

- EARTH
- MARBLE
- ROCK
- GRANULAR FILL
- WOOD BLOCKING
- BRICK
- FINISHED WOOD
- TERRAZZO
- BATT INSULATION
- LIGHTWEIGHT CONCRETE
- CONCRETE BLOCK
- STRUCTURAL CONCRETE
- CUT STONE
- RIGID INSULATION
- METAL (LARGE SCALE)
- PLYWOOD (LARGE SCALE)
- PARTICLE BD.
- GYPSUM BD./ PLASTER/STUCCO
- EXTERIOR INSUL.

CODE ANALYSIS

CITY OF AURORA, CO - APPLICABLE CODES

- 2015 INTERNATIONAL BUILDING CODE (IBC)
- 2015 INTERNATIONAL RESIDENTIAL CODE (IRC)
- 2015 INTERNATIONAL PLUMBING CODE (IPC)
- 2015 INTERNATIONAL MECHANICAL CODE (IMC)
- 2015 INTERNATIONAL FUEL GAS CODE (IFGC)
- 2015 INTERNATIONAL EXISTING BUILDING CODE (IEBC)
- 2015 INTERNATIONAL ENERGY CONSERVATION CODE (IECC)
- 2015 INTERNATIONAL FIRE CODE
- 2014 NATIONAL ELECTRICAL CODE (NEC)

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ssinclair@innerdesignstudio.com

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GENERAL INFORMATION
G1.0

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This sheet of drawings has not been reviewed for code compliance.

REMOVE ALL UNLESS OTHERWISE NOTED

KEY NOTES:

1. REMOVE EXISTING DOOR AND FRAME
2. REMOVE EXISTING PARTITION AND FINISH BASE.
3. NOT USED
4. NOT USED
5. REMOVE EXISTING FLOORING. COMPLETE AND PREPARE TO RECEIVE NEW FINISH.
6. PROTECT AND REPAIR EXISTING FIRE RATED WALL ASSEMBLIES AS NEEDED.
7. REMOVE EXISTING CEILING TILE, GRID AND SUSPENSION SYSTEM TO ACCOMMODATE NEW WALLS.
8. PROTECT EXISTING COLUMN AND COLUMN WRAP.
9. PROTECT EXISTING WALL AND PREPARE FOR NEW FINISH.
10. PHASE CONSTRUCTION WORK TO ALLOW OWNER TO OPERATE THE FACILITY DURING WORKING HOURS. MAINTAIN THE INTEGRITY OF THE FIRE EXIT PATH 24 HOURS A DAY, 7 DAYS A WEEK.
11. NOT USED
12. NOT USED
13. NOT USED
14. PROTECT WINDOW SYSTEM. REPAIR PORTIONS DAMAGED BY DEMOLITION (e.g.: WINDOW HEAD, JAMB AND SILL)

ALLOWANCE - MECHANICAL REMODEL

1

1. PROVIDE A $10,000.00 ALLOWANCE FOR ABOVE CEILING DEMOLITION OF EXISTING DUCTWORK AND REPAIR, AND REVISION TO LIKE NEW FOR DUCTWORK ARRAY AT LOBBY AREA ONLY.
2. MECHANICAL ENGINEER TO REVIEW ABOVE CEILING AFTER INITIAL CEILING DEMOLITION TO LOCATE HVAC EQUIPMENT AND PRIMARY DUCT LAYOUT. MECHANICAL ENGINEER WILL DIRECT CONTRACTOR AFTER FIELD INSPECTIONS REGARDING T-STAT LOCATIONS, UNIT TIE-IN AND DUCTWORK ARRAY AND RETURN AIR.
3. CONTRACTOR TO RE-USE EXISTING HVAC - VAV EQUIPMENT.

DEMOLITION WALL LEGEND:

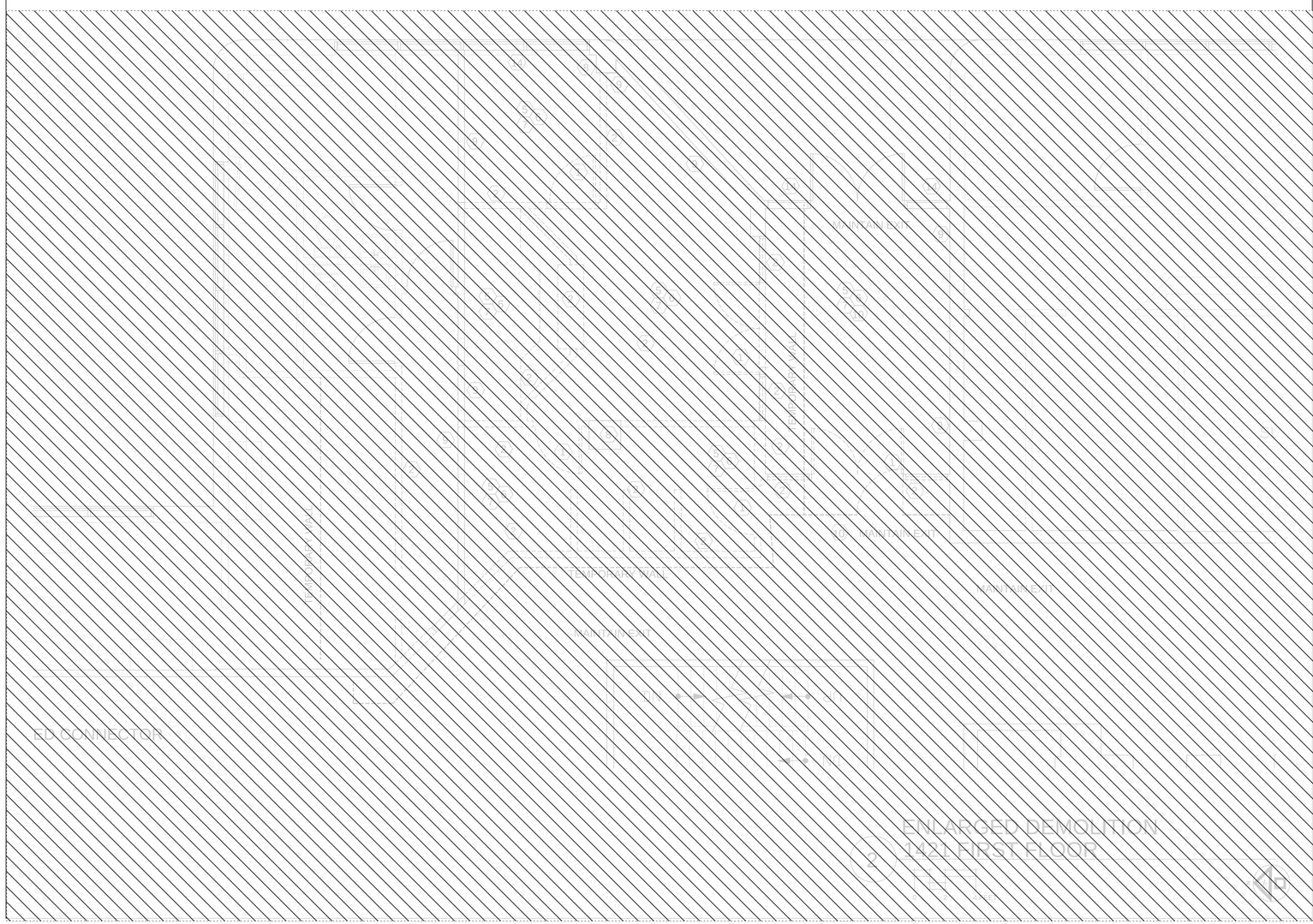
EXISTING TO REMAIN

EXISTING TO BE REMOVED

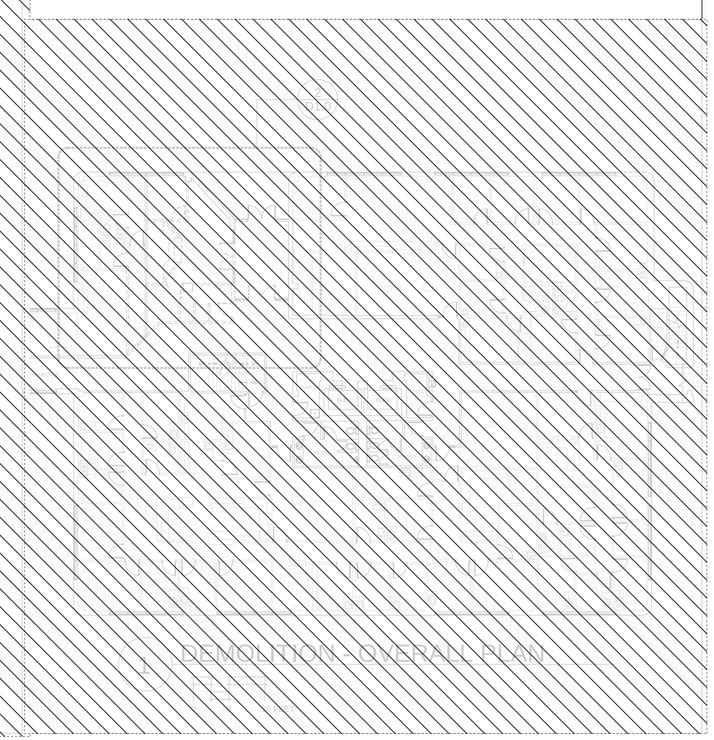
EXISTING F.F.E. ITEMS

FFE

PRIOR TO DEMOLITION ACTIVITY, THE CONTRACTOR SHALL REVIEW EXISTING TELCOM EQUIPMENT, DATA I.T. EQUIPME, FURNITURE, SHELVING, ETC., WITH OWNER REPRESENTATIVES TO COORDINATE TEMPORARY RELOCATION OF ITEMS DURING NEW WORK ACTIVITY. ALSO CONFIRM ITEMS THAT ARE TO BE REPLACED AFTER NEW WORK IS INSTALLED.



2 ENLARGED DEMOLITION 1421 FIRST FLOOR



1 DEMOLITION - OVERALL PLAN

DEMOLITION GENERAL NOTES:

1. SEE FINISH PLAN TO REPAIR WALL FINISHES.
2. CONTRACTOR SHALL OBTAIN ALL PERMITS FOR THE EXECUTION OF WORK.
3. MAINTAIN EXIT CORRIDORS DURING CONSTRUCTION PERIOD.
4. PROVIDE TEMPORARY BARRIERS TO PROTECT FACILITY USERS NEAR THE CONSTRUCTION AREA.
5. IF ANY TEMPORARY BARRIERS ARE REQUIRED WHICH BLOCK EXITS, NOTIFY AND OBTAIN APPROVAL FROM ARCHITECT BEFORE PROCEEDING WITH TEMPORARY BARRIERS.
6. CONTAIN DUST AND DEBRIS IN CONSTRUCTION AREAS. CLEAN UP DAILY.
7. REMOVE EXISTING WALLS, DOORS, AND WINDOW SYSTEMS AS INDICATED BY DASHED LINES. REPAIR ALL ADJACENT WALLS, CEILINGS, AND FLOORS DAMAGED BY THE DEMOLITION, THAT ARE SCHEDULED TO REMAIN.
8. REFER TO APPROPRIATE MECHANICAL, ELECTRICAL, AND PLUMBING DRAWINGS FOR DEMOLITION AND CAPPING OF UTILITIES.
9. PROTECT ALL SURFACES AND SYSTEMS SCHEDULED FOR EXTRACTION OR NOT SCHEDULED FOR DEMOLITION.
10. COORDINATE WITH OWNER, AND USER, FORTY-EIGHT (48) HOURS IN ADVANCE OF STOPPING UTILITY SERVICES. "SHUTDOWNS, CUTOVERS AND RE-ROUTINGS SHALL BE SCHEDULED ON WEEKENDS, NIGHTS, OR HOLIDAYS TO MINIMIZE DISRUPTION TO THE OCCUPANTS' OPERATIONS."
11. ACCURATELY DESIGNATE LOCATIONS OF CAPPING OF UTILITIES ON RECORD DOCUMENTS.
12. NOTIFY AFFECTED UTILITY COMPANIES BEFORE STARTING WORK AND COMPLY WITH THEIR REQUIREMENTS.
13. DO NOT DISRUPT OR DISABLE BUILDING FIRE OR LIFE SAFETY SYSTEMS WITHOUT COORDINATING WITH THE OWNER, USER AND APPROPRIATE LOCAL AUTHORITIES (FIRE DEPT.)
14. CONFORM TO PROCEDURES APPLICABLE WHEN DISCOVERING HAZARDOUS OR CONTAMINATED MATERIALS. HAZARDOUS MATERIALS INVESTIGATIONS WERE NOT PART OF THIS CONTRACT AND HAVE NOT BEEN PROVIDED. NOTIFY THE ARCHITECT IMMEDIATELY IF HAZARDOUS MATERIALS ARE DISCOVERED AND TAKE PRECAUTIONS TO PREVENT HUMAN CONTACT.
15. MARK LOCATIONS OF UTILITIES.
16. PREVENT MOVEMENT OF STRUCTURE. PROVIDE REQUIRED TEMPORARY BRACING AND SHORING.
17. REMOVE TEMPORARY WORK.
18. DO NOT BURY MATERIALS ON SITE. OBTAIN ADVANCED APPROVAL FORM LOCAL AUTHORITY IF SEEKING TO BURN DEBRIS.
19. DISPOSE OF CONSTRUCTION DEBRIS IN ACCORDANCE WITH STATE AND LOCAL CODES. OBTAIN APPROPRIATE PERMITS.
20. COORDINATE WITH THE OWNER/LANDLORD REGARDING THE PROTECTION AND RE-USE OF THE TELEPHONE SYSTEM IN IT'S ENTIRETY.
21. PRIOR TO REMOVAL OF ANY SIGNS PLAQUES, COAT HOLDERS, CLOCKS, SHELVING OR OTHER OWNER ITEMS, GET APPROVAL TO DISCARD.
22. ALL DEMOLISHED MATERIAL NOT OTHERWISE DESIGNATED BECOMES PROPERTY OF THE CONTRACTOR.
23. PROTECT OR RELOCATE ANY LANDSCAPE MATERIAL AFFECTED BY DEMOLITION OR CONSTRUCTION.
24. PATCH EXISTING CONCRETE FLOOR WITH "ARDEX, SD-F" TROWEL ON LEVELER OR EQUAL, AT ALL FLOOR INDENTION'S AND CRACKS.
25. IN AREAS OF SIGNIFICANT FLOOR DEFLECTION OR CONCRETE SLAB UNEVENNESS, PROVIDE "ARDEX, K-15"
26. CONTRACTOR TO CLEAN AND PREP ALL AREAS PRIOR TO NEW WORK.
27. REMOVE ALL HVAC, PLUMBING AND ELECTRICAL SYSTEMS FROM THE AREAS INDICATED TO BE DEMOLISHED ON ARCHITECTURAL PLANS.
28. SYSTEMS SERVING ANY AREA SCHEDULED TO REMAIN SHALL BE PROTECTED FROM DAMAGE DURING DEMOLITION.
29. HVAC SYSTEMS SHALL BE REMOVED IN THEIR ENTIRETY AND DISPOSAL SHALL BE CONFIRMED WITH LANDLORD.
30. PLUMBING FIXTURES AND EQUIPMENT SHALL BE REMOVED AND PIPING SHALL BE REMOVED FROM WALLS AND CEILING SPACE. DOCUMENT LOCATIONS, PIPE SIZES AND INVERTS OF SEWER AND VENTS THROUGH THE ROOF ON AN AS-BUILT DRAWING AND FORWARD TO THE ARCHITECT/ENGINEER. SEWER SHALL BE CAPPED BELOW SLAB AND WATER MAIN SHALL BE VALVED AND CAPPED AT TENANT ENTRANCE.
31. SEE ELECTRICAL DRAWINGS FOR DEMOLITON SCOPE OF ELECTRICAL SYSTEMS.
32. REMOVE, WITHOUT DAMAGE, MATERIALS AND EQUIPMENT INDICATED FOR "EXTRACTION". PLACE EXTRACTED ITEMS IN A TEMPORARY STORAGE LOCATION SECURE FROM THEFT AND DAMAGE. EXTRACTED ITEMS TO BE TURNED OVER TO THE OWNER/LANDLORD.
33. FIELD VERIFY SECURITY CAMERA SYSTEM LAYOUT, REMOVE AND PROTECT DURING DEMOLITION PHASE. REINSTALL PER THE OWNER'S DIRECTION, COORDINATING WITH THE OWNER'S VENDOR.
34. PLUMBING FIXTURES AND EQUIPMENT TO BE REMOVED SHALL INCLUDE ALL PIPING FROM WALLS AND CEILING SPACE. DOCUMENT LOCATIONS, PIPE SIZES AND INVERTS OF SEWER AND VENTS THROUGH THE ROOF ON AN AS-BUILT DRAWING AND FORWARD TO THE ARCHITECT/ENGINEER. SEWER SHALL BE CAPPED BELOW SLAB

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1 1-19-17 OWNER CHG.

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0416

DEMOLITION PLAN

D1.0

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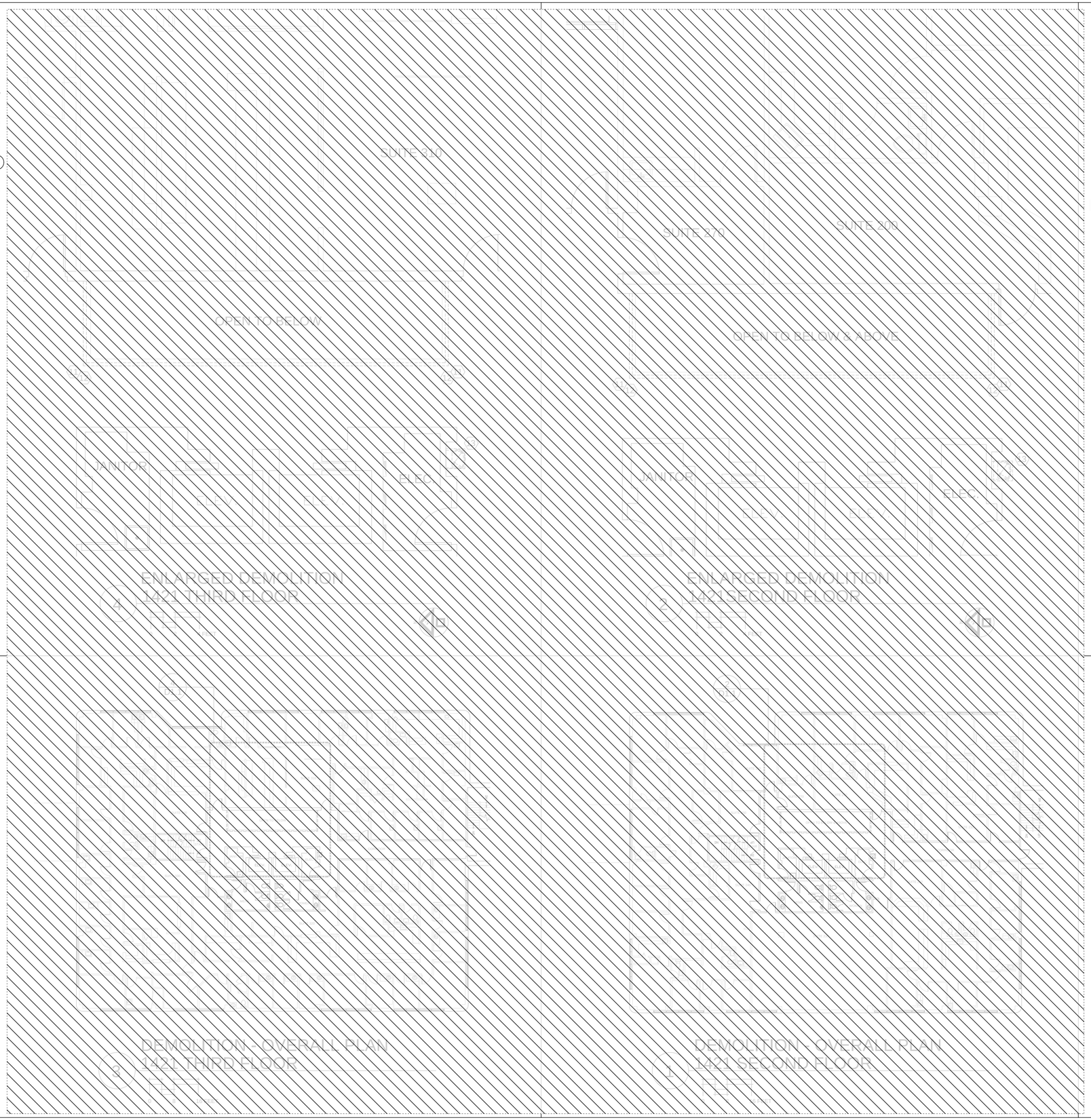

SEE SHEET D1.0 FOR GENERAL DEMOLITION NOTES

RSN: *1186837*
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REMOVE ALL UNLESS OTHERWISE NOTED

KEY NOTES:

1. REMOVE EXISTING DOOR AND FRAME
2. REMOVE EXISTING PARTITION AND FINISH BASE.
3. REMOVE WALL FURRING & DRYWALL.
4. REMOVE BASEBOARD HEATING SYSTEM. SEE MECHANICAL.
5. REMOVE EXISTING FLOORING. COMPLETE AND PREPARE TO RECEIVE NEW FINISH.
6. PROTECT AND REPAIR EXISTING FIRE RATED WALL ASSEMBLIES AS NEEDED.
7. REMOVE EXISTING CEILING TILE, GRID AND SUSPENSION SYSTEM TO ACCOMMODATE NEW WALLS.
8. PROTECT EXISTING COLUMN AND COLUMN WRAP.
9. PROTECT EXISTING WALL AND PREPARE FOR NEW FINISH.
10. PHASE CONSTRUCTION WORK TO ALLOW OWNER TO OPERATE THE FACILITY DURING WORKING HOURS. MAINTAIN THE INTEGRITY OF THE FIRE EXIT PATH 24 HOURS A DAY, 7 DAYS A WEEK.
11. REMOVE EXISTING HANDRAIL SYSTEM.
12. CONTRACTOR TO PROVIDE HANDRAIL BARRIER AT ALL TIMES, UNTIL NEW HANDRAIL SYSTEM IS INSTALLED.
13. REMOVED EXISTING WATER COOLER.
14. PROTECT WINDOW SYSTEM. REPAIR PORTIONS DAMAGED BY DEMOLITION (e.g.: WINDOW HEAD, JAMB AND SILL)

EXISTING F.F.E. ITEMS

FFE

PRIOR TO DEMOLITION ACTIVITY, THE CONTRACTOR SHALL REVIEW EXISTING TELCOM EQUIPMENT, DATA I.T. EQUIPME, FURNITURE, SHELVING, ETC., WITH OWNER REPRESENTATIVES TO COORDINATE TEMPORARY RELOCATION OF ITEMS DURING NEW WORK ACTIVITY. ALSO CONFIRM ITEMS THAT ARE TO BE REPLACED AFTER NEW WORK IS INSTALLED.

DEMOLITION WALL LEGEND:

EXISTING TO REMAIN

EXISTING TO BE REMOVED

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DEMOLITION PLAN

D1.1

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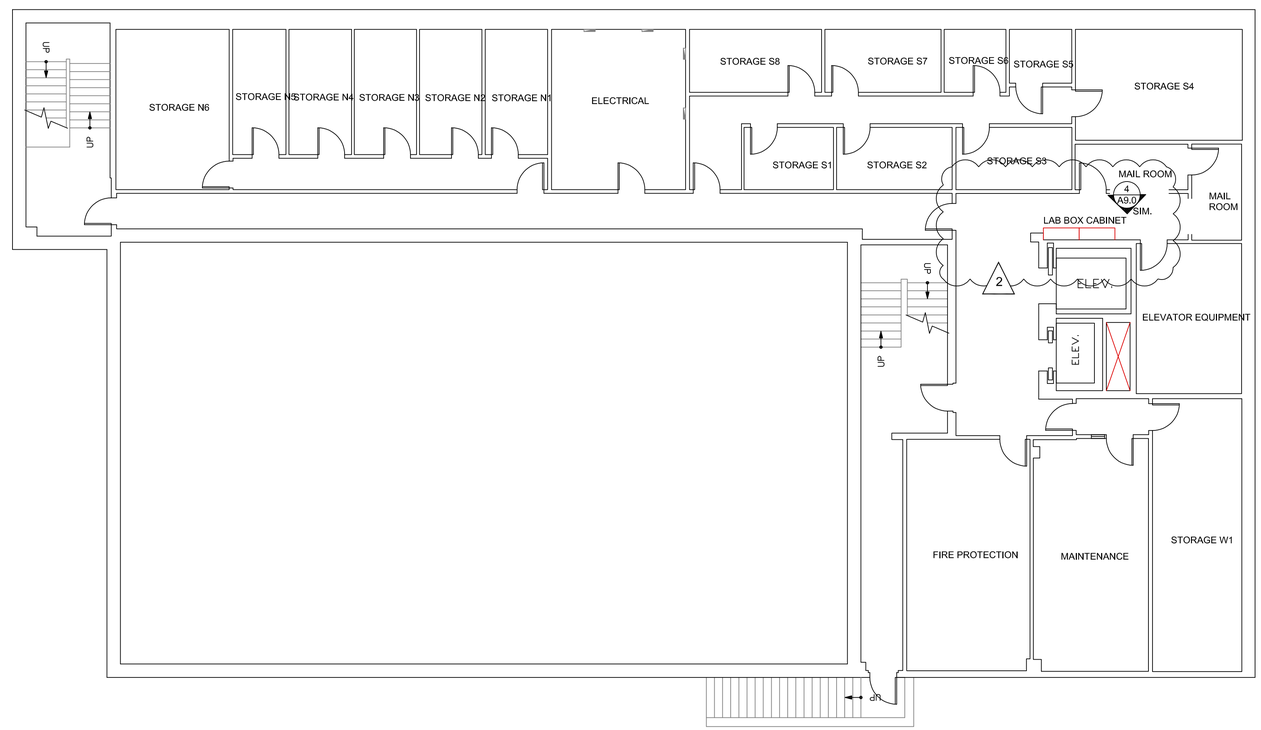

1 FLOOR PLAN - 1411 LOWER LEVEL

1/8"=1'-0"

0 8 FEET

N

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2	2-14-17 OWNER CHG.

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NOTED PLAN

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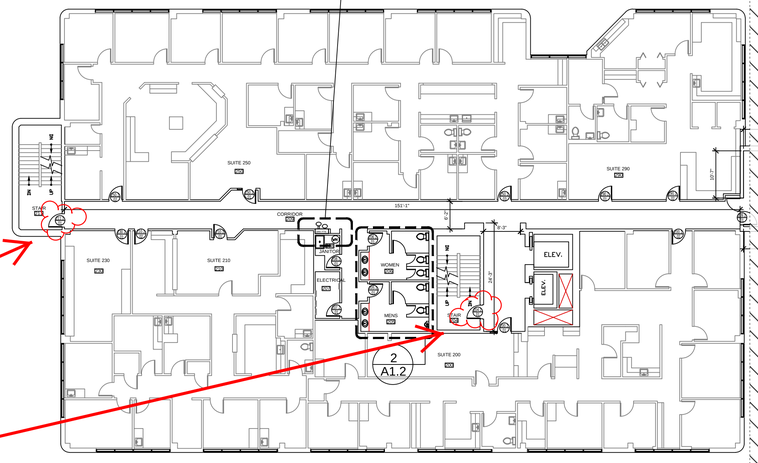
TYP ALL FLOORS THIS BUILDING HAS BEEN RECLASSIFIED AS AN IBC BUILDING. RATED CORRIDORS ARE NOT REQUIRED. IBC 1020

TYP. DOORS BETWEEN STAIR SHAFT AND INTERIOR SPACES ARE REQUIRED TO BE 90 MINUTE RATED DOORS. IBC 716.5

NEW WATER COOLER

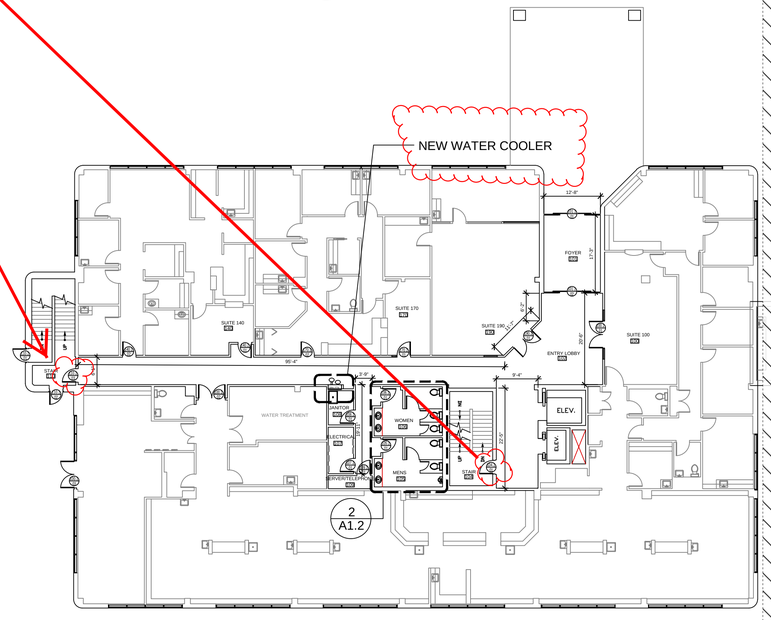


4 FLOOR PLAN - 1411 SECOND FLOOR

1/16"=1'-0"

0 8 16 32 48 FEET

NEW WATER COOLER



3 FLOOR PLAN - 1411 FIRST FLOOR

1/16"=1'-0"

0 8 16 32 48 FEET

FLOOR PLAN - 1421 FIRST FLOOR

NEW WATER COOLER

FLOOR PLAN - 1421 LOWER LEVEL

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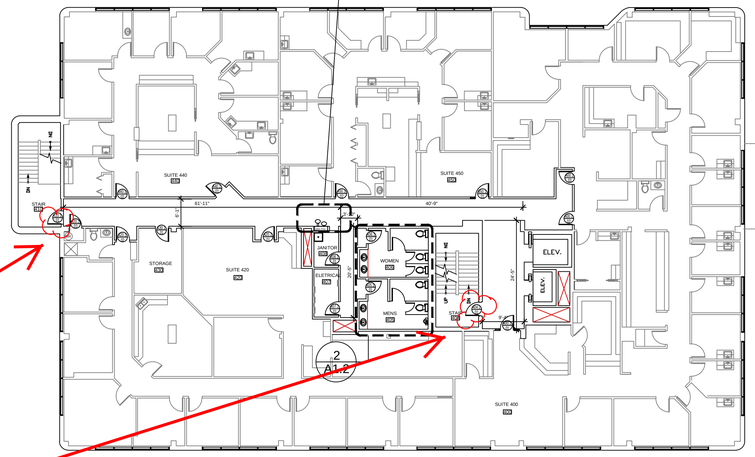
NEW WATER COOLER



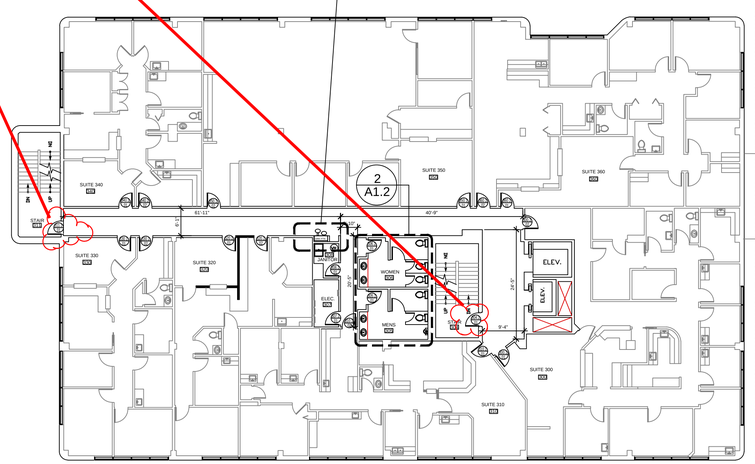
TYP DOORS BETWEEN STAIRS AND INTERIOR OF THE BUILDING ARE REQUIRED TO BE 90 MINUTE RATED. IBC 716.5

4 FLOOR PLAN - 1411 FOURTH FLOOR

1/16"=1'-0"

0 8 16 32 48 FEET

NEW WATER COOLER



3 FLOOR PLAN - 1411 THIRD FLOOR

1/16"=1'-0"

0 8 16 32 48 FEET

2 FLOOR PLAN - 1421 THIRD FLOOR

1 FLOOR PLAN - 1421 SECOND FLOOR

INTERIOR DWG. SET
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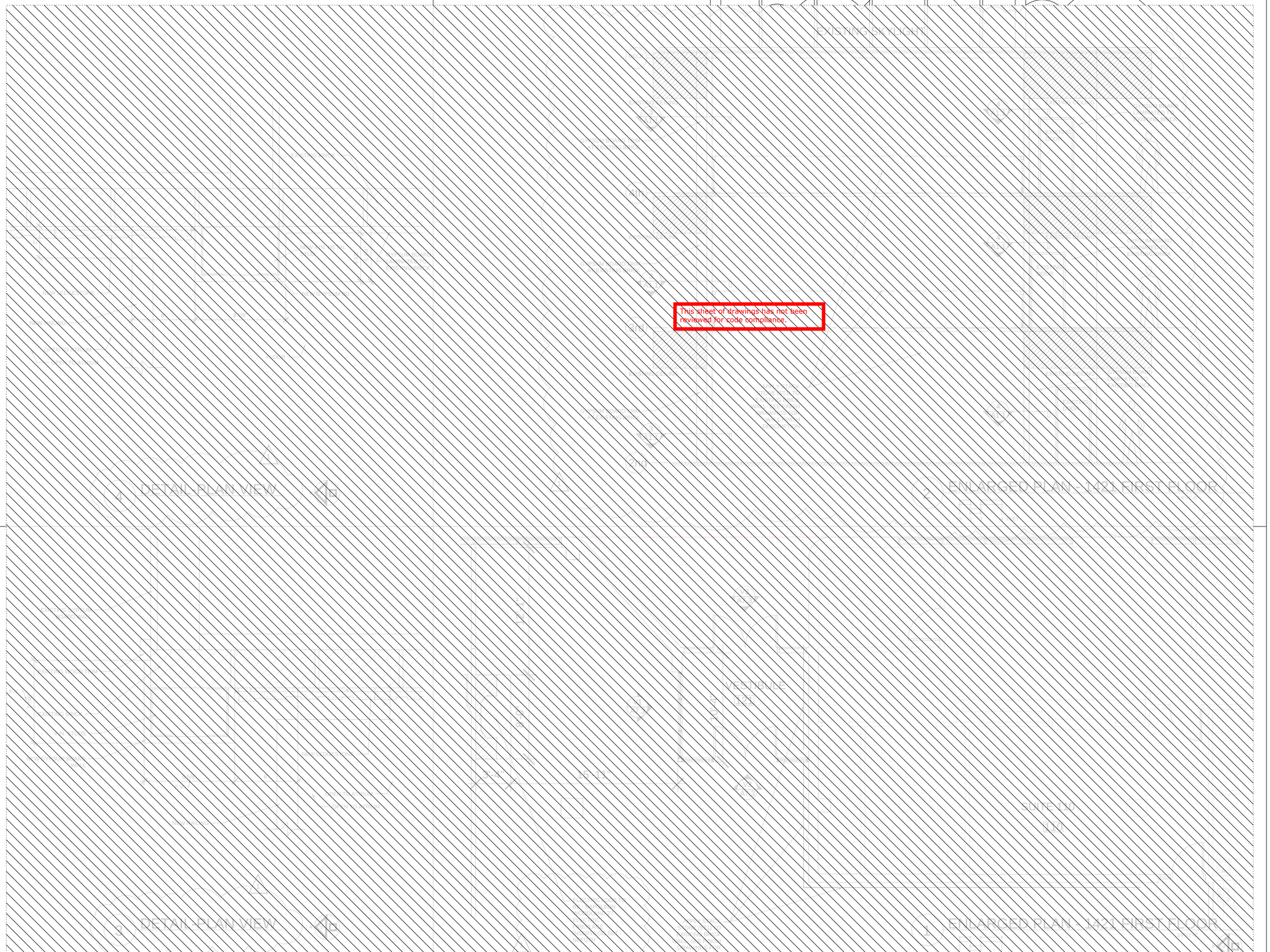

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ENLARGED PLANS

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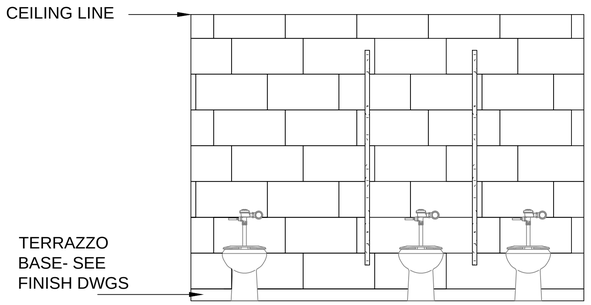

5 INTERIOR TOILET ELEVATION (WOMEN)

1/2"=1'-0"
0 1 2 FEET

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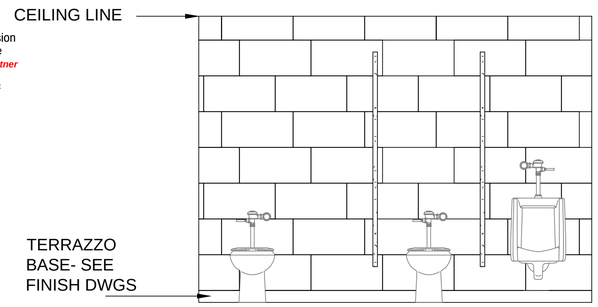
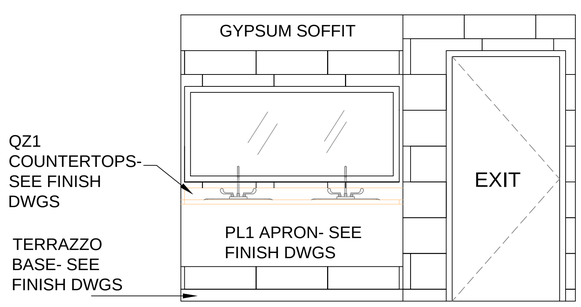


4 INTERIOR TOILET ELEVATION (MEN)

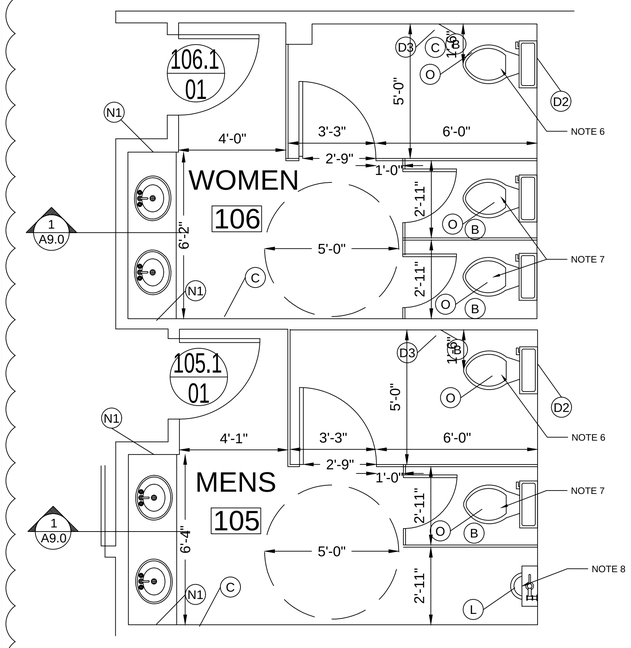
1/2"=1'-0"
0 1 2 FEET



3 INTERIOR TOILET ELEVATION (MEN&WOMEN)

1/2"=1'-0"
0 1 2 FEET

SEE SHEET A1.2-1 FOR TOILET ACCESSORIES LEGEND



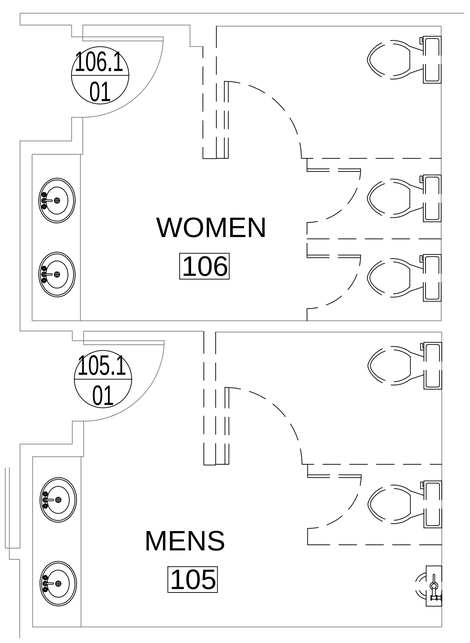
2 ENLARGED TOILET PLAN - 1411

3/8"=1'-0"
0 1 2 4 6 8 FEET

TYPICAL ALL FLOORS

GENERAL NOTES:

1. FAUCETS: PROVIDE CHICAGO FAUCET, "EQ SERIES", FAUCET SYSTEM, STYLE ="CURVED".
   MATCH EXISTING CONDITION FOR MIXING OPTIONS FOR DUAL SUPPLY. MECHANICAL MIXER IS ACCEPTABLE.
   BATTERY SUPPLY MODEL., 1.0 GPM FLOW RATE.
   (EQ-A11A-12ABBN---BRUSHED NICKEL)
   OFFSET FOR WHEEL CHAIR USE.
2. SINKS AT LAVATORY: KOHLER, "MEMOIRS" UNDERMOUNT SINK, STANDARD COLOR BY INTERIOR FINISH DWG., ..
   NOMINAL: LENGTH = 21", WIDTH 18", DEPTH 9"
   RECTANGULAR BASIN
   KOHLER OR EQUAL P-TRAP TUBING MATCH EXISTING, MATCH VENTING
3. PROVIDE TRUEBRO LAV GUARD WRAP AT EXPOSED PIPING.
4. TRIM: MCGUIRE #155WC GRID DRAIN WITH 1-1/4" TAILPIECE, #8872C 1-1/4" P-TRAPS, #LFH-2165 SUPPLY STOPS.
   OFFSET FOR WHEEL CHAIR USE.
5. REPLACE EXISTING TOILET PARTITIONS. SEE FINISH PLAN.
6. TOILETS AT ADA WATER CLOSET: TOTO #CST744ELB OR EQUAL BY AMER. STD., KOHLER, CRANE
   SEAT AT ADA WATER CLOSET: TOTO #SC534-01 OR EQUAL BY OLSONITE, BENEKE, CHURCH, BEMIS, CENTOCO - SEE P2.0
7. TOILETS AT WATER CLOSET: TOTO #CST744EB OR EQUAL BY AMER. STD., KOHLER, CRANE
   SEAT AT WATER CLOSET: TOTO #SC534 OR EQUAL BY OLSONITE, BENEKE, CHURCH, BEMIS, CENTOCO - SEE P2.0
8. URINAL: ZURN #Z5755-U OR EQUAL BY TOTO, KOHLER, CRANE, ZURN, ELJER
   FLUSH VALVE: ZURN #ZTR6203-ULF-LL OR EQUAL BY SLOAN, DELNAY, TOTO
   CARRIER: ZURN #Z1222 OR EQUAL BY JOSAM, J.R. SMITH, WADE, MIFAB - SEE P2.0



DEMOLITION
WALL LEGEND:

EXISTING TO REMAIN

EXISTING TO BE REMOVED

1 ENLARGED DEMO TOILET PLAN - 1411

3/8"=1'-0"
0 1 2 4 6 8 FEET

TYPICAL ALL FLOORS

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ENLARGED
TOILET
PLAN

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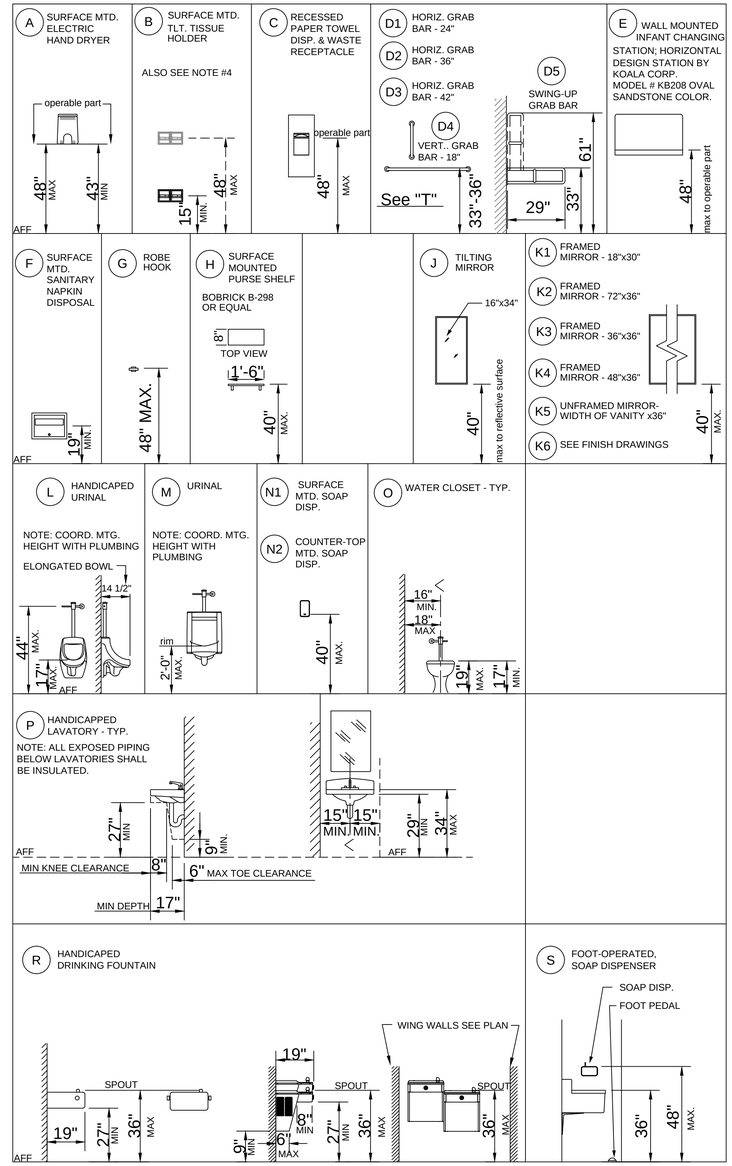
TOILET ACCESSORY AND MOUNTING HEIGHT LEGEND



NOTES: TYPICAL TOILET ROOM

1. FIELD VERIFY AND CONFIRM LOCATION AND MOUNTING HEIGHT OF TOILET ACCESSORIES PRIOR TO INSTALLATION.
2. FLUSH CONTROL VALVE/HANDLE TO BE LOCATED ON THE ACCESSIBLE SIDE OF THE FIXTURE.
3. SOME ITEMS LISTED ABOVE, MAY NOT BE USED.
4. TOILET PAPER DISPENSERS SHALL BE INSTALLED 7 IN. TO 9 IN. IN FRONT OF WATER CLOSET. THERE SHALL BE A CLEARANCE OF 1 1/2" MIN. BELOW OR 12" MIN. ABOVE GRAB BAR.

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TOILET LEGENDS AND DETAILS

A1.2-1

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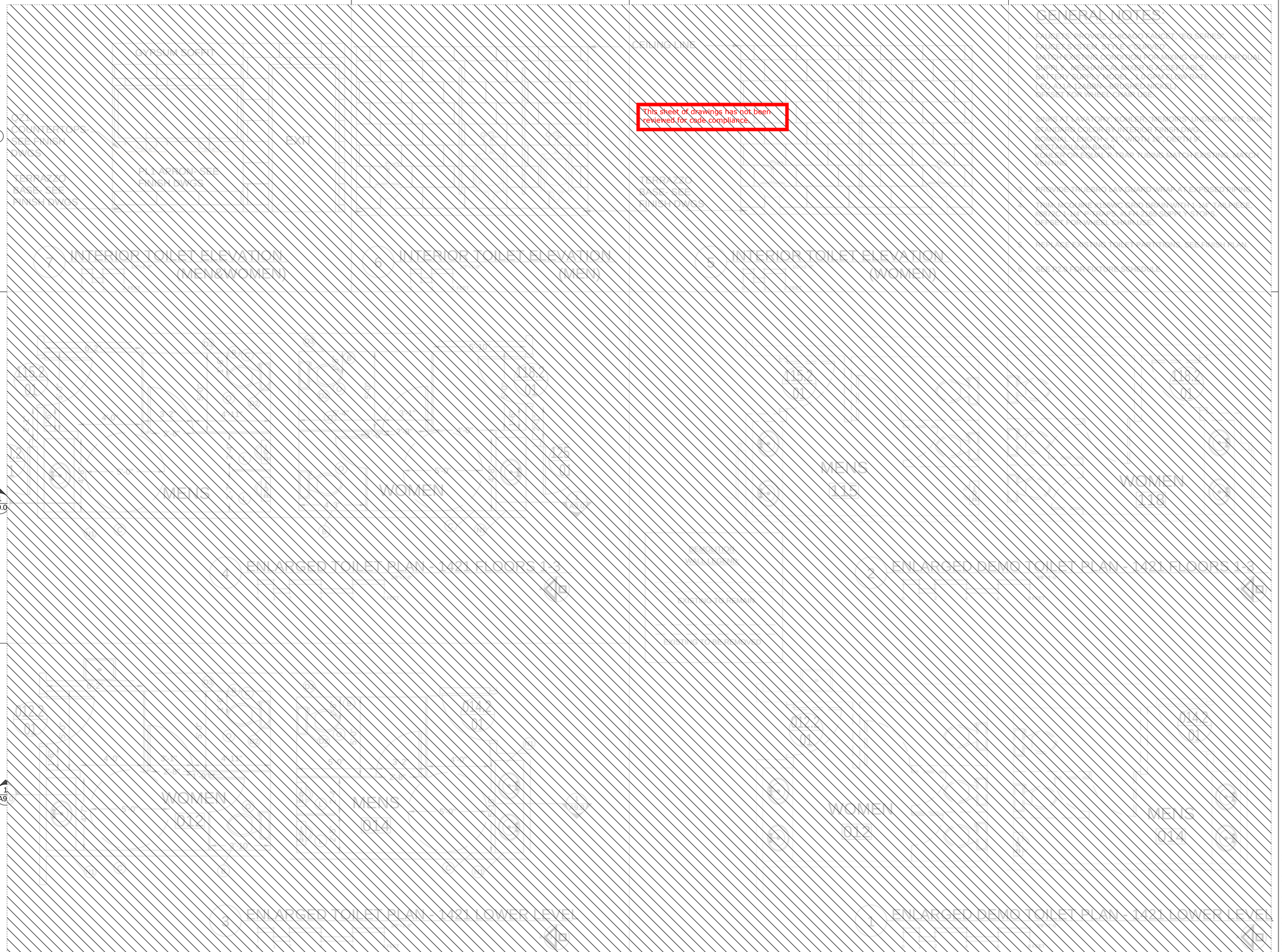

This sheet of drawings has not been reviewed for code compliance.

GENERAL NOTES

1. PROVIDE ROUND CORNER GUARDS TO SERVE PARTITIONS OPEN STYLE COUNTER MOUNTING AND CONDITION FOR OWNER REVIEW & APPROVAL PRIOR TO INSTALLATION. SHEET 1 - INSTALL OWNER'S ASSET TAGS. PROVIDE SUPPLIES & CONTROL STANDARDS FOR ALL INTERIOR DOUBLE HUNG & SINGLE SLIDING WINDOWS.

2. PROVIDE STAINLESS STEEL TOILET PAPER DISPENSER OPTIONS TO OWNER FOR REVIEW & APPROVAL PRIOR TO ORDERING. DISPENSER SHALL BE MOUNTED ON WALL ADJACENT TO TOILET PAPER. DISPENSER SHALL BE SUITABLE FOR USE WITH STANDARD TOILET PAPER ROLLS. DISPENSER SHALL BE SUITABLE FOR USE WITH STANDARD TOILET PAPER ROLLS.

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4. PROVIDE TOILET GRAB BAR OPTIONS TO OWNER FOR REVIEW & APPROVAL PRIOR TO ORDERING. GRAB BAR SHALL BE SUITABLE FOR USE WITH STANDARD TOILET PAPER ROLLS. GRAB BAR SHALL BE SUITABLE FOR USE WITH STANDARD TOILET PAPER ROLLS.

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INTERIOR DWG. SET
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ORIG. ISSUE DATE:
11-11-2016

1 1-19-17 OWNER CHG.

PROJECT NUMBER
0416

1 ENTIRE SHEET

ENLARGED TOILET PLAN

A1.2-2

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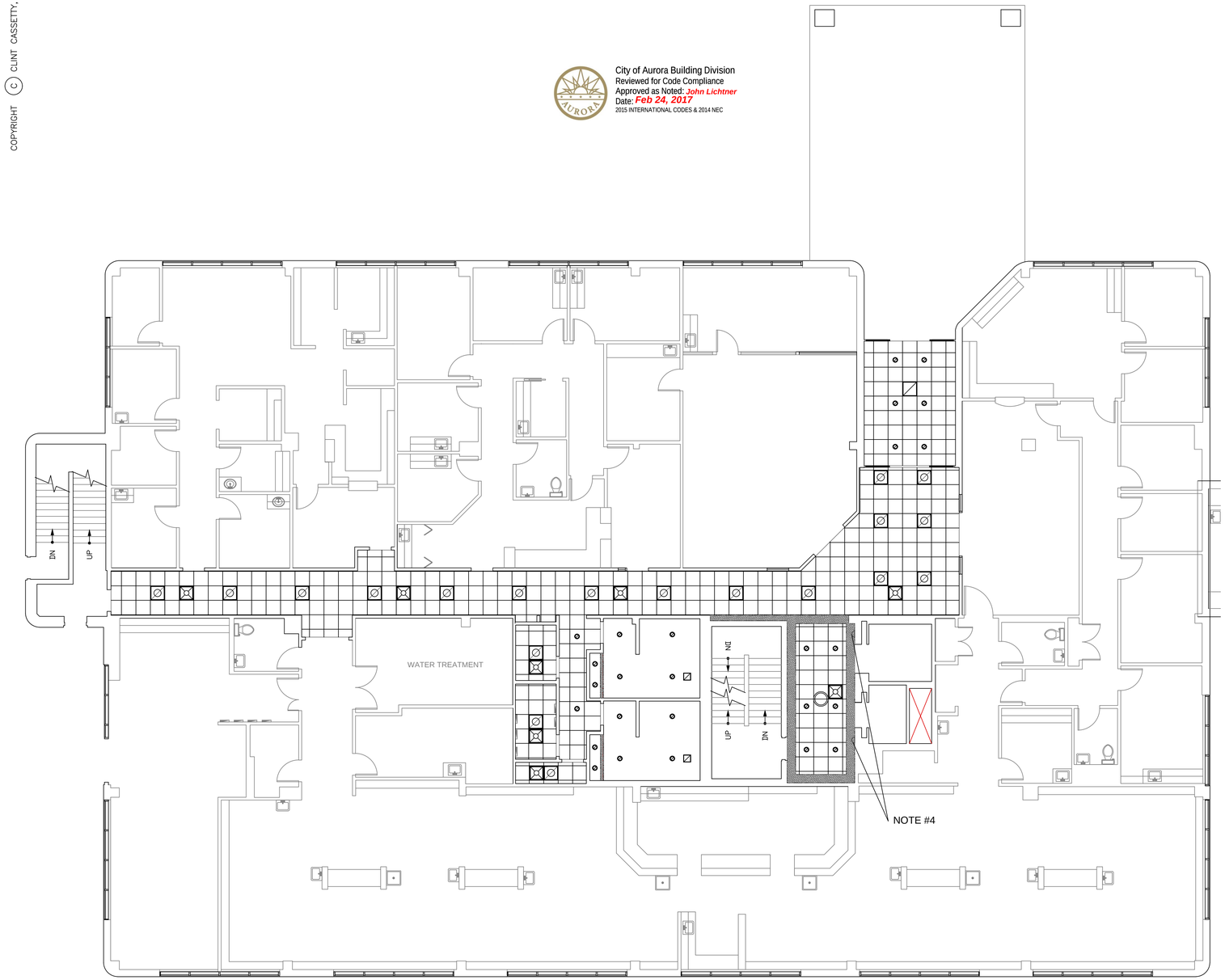
RSN: *1186837*
Permit #: *17-1253295-LT*

City of Aurora Building Division
Reviewed for Code Compliance
Approved as Noted: *John Lichtner*
Date: *Feb 24, 2017*
2015 INTERNATIONAL CODES & 2014 NEC



1 CEILING PLAN - 1411 FIRST FLOOR

1/8"=1'-0"
0 8 FEET

CEILING SYMBOL LEGEND:

- SUPPLY DIFFUSER (SIZE VARIES) "TITUS-OMNI-AA-NT"
- EXHAUST OR RETURN REGISTER (SIZE VARIES)
- SURFACE-MOUNTED LED LUMINAIRE
- RECESSED LED LUMINAIRE
- EXIT LIGHT
- SEE ELECTRICAL DWGS
- GYPSUM BOARD AND/OR PLASTER CEILING OR BULKHEADS.
- DECORATIVE PENDANT SEE ELECTRICAL DWGS

CEILING HEIGHT LEGEND:

ALL CEILINGS TO MATCH EXISTING HEIGHT, OR SHALL BE 9'-0" UNLESS OTHERWISE NOTED ON THE PLAN.

A	7'-0"	F	10'-0"
B	7'-6"	G	12'-0"
C	8'-0"	H	*
D	8'-8"	I	11'-0"
E	9'-0	J	16'-2"

GENERAL NOTES:

1. CONTRACTOR SHALL STUDY AND COMPARE THE REFLECTED CEILING PLANS WITH THE MECHANICAL AND ELECTRICAL DRAWINGS FOR LUMINARIES, DIFFUSERS, AND GRILLES. REPORT TO THE ARCHITECT ANY ERROR, INCONSISTENCY, OR OMISSION DISCOVERED.
2. CONTRACTOR TO VERIFY THAT ACCESS PANELS OF APPROPRIATE SIZE AND TYPE ARE INSTALLED IN GYPSUM BOARD CEILINGS OR SOFFITS AND IN OTHER NON-ACCESSIBLE TYPE CEILINGS OR SOFFITS WHERE ACCESS, SERVICE OR ADJUSTMENT TO MECHANICAL, PLUMBING OR ELECTRICAL ITEMS MAY BE REQUIRED. ACCESS PANELS SHALL BE FIRE RATED EQUAL TO THE RATING OF THE CEILING OR SOFFIT IN WHICH THEY OCCUR. COORDINATE LOCATIONS WITH MECHANICAL DOCUMENTS AND WITH ACTUAL CONSTRUCTION.
3. CONTRACTOR TO COORDINATE THE INSTALLATION OF ALL OWNER SUPPLIED VENDORS. IE PHONE, DATA, CABLE, ETC.
4. PROVIDE WALL SCONCE LIGHT FIXTURE. SEE FINISH PLAN. MOUNTING HGT. TO MATCH 1421 BLDG.
5. PATCH ALL CONSTRUCTION, FINISHES, AND APPURTENANCES EFFECTED BY THE WORK TO MATCH ORIGINAL CONDITION.
6. NOT USED
7. SPRINKLER HEADS, DIFFUSERS, INCANDESCENT LUMINARIES, AND OTHER SURFACE-MOUNTED OR RECESSED CEILING ITEMS SHOWN FOR LOCATION ONLY. REFER TO MECHANICAL, PLUMBING, AND ELECTRICAL DOCUMENTS FOR ADDITIONAL INFORMATION.
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9. NOT USED
10. ALL DIFFUSERS MAY NOT BE SHOWN FOR CLARITY PURPOSES. COORDINATE WITH MECHANICAL DRAWINGS.
11. SEE FINISH DRAWINGS FOR FINISH MATERALS AND COLORS.
12. PAINT ALL SOFFITS AND FURR DOWNS TO MATCH ADJACENT WALL FINISH (VERTICAL AND HORIZONTAL SURFACES)
13. PAINT ALL GYPSUM BOARD CEILINGS - SHERWIN WILLIAMS HARMONY FLAT SW 7005 PURE WHITE UNLESS OTHERWISE NOTED. APPLY TWO FINISH COATS.
14. THE PERIMETERS OF ALL CEILINGS ARE TO RECEIVE 1X WOOD TRIM AS NOTED IN SECTION. BACKPRIME ALL TRIM AND PAINT (P4 FINISH PAINT UNLESS OTHERWISE NOTED)
15. SUPPLY DIFFUSERS ARE TO BE "TITUS-OMNI-AA-NT" OR EQUAL.

SOUND WALLS NOT SHOWN FOR CLARIFICATION

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11-11-2016

PROJECT NUMBER
0416

REFLECTED CEILING PLAN

A3.0-1

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Permit #: *17-1253295-LT*

City of Aurora Building Division
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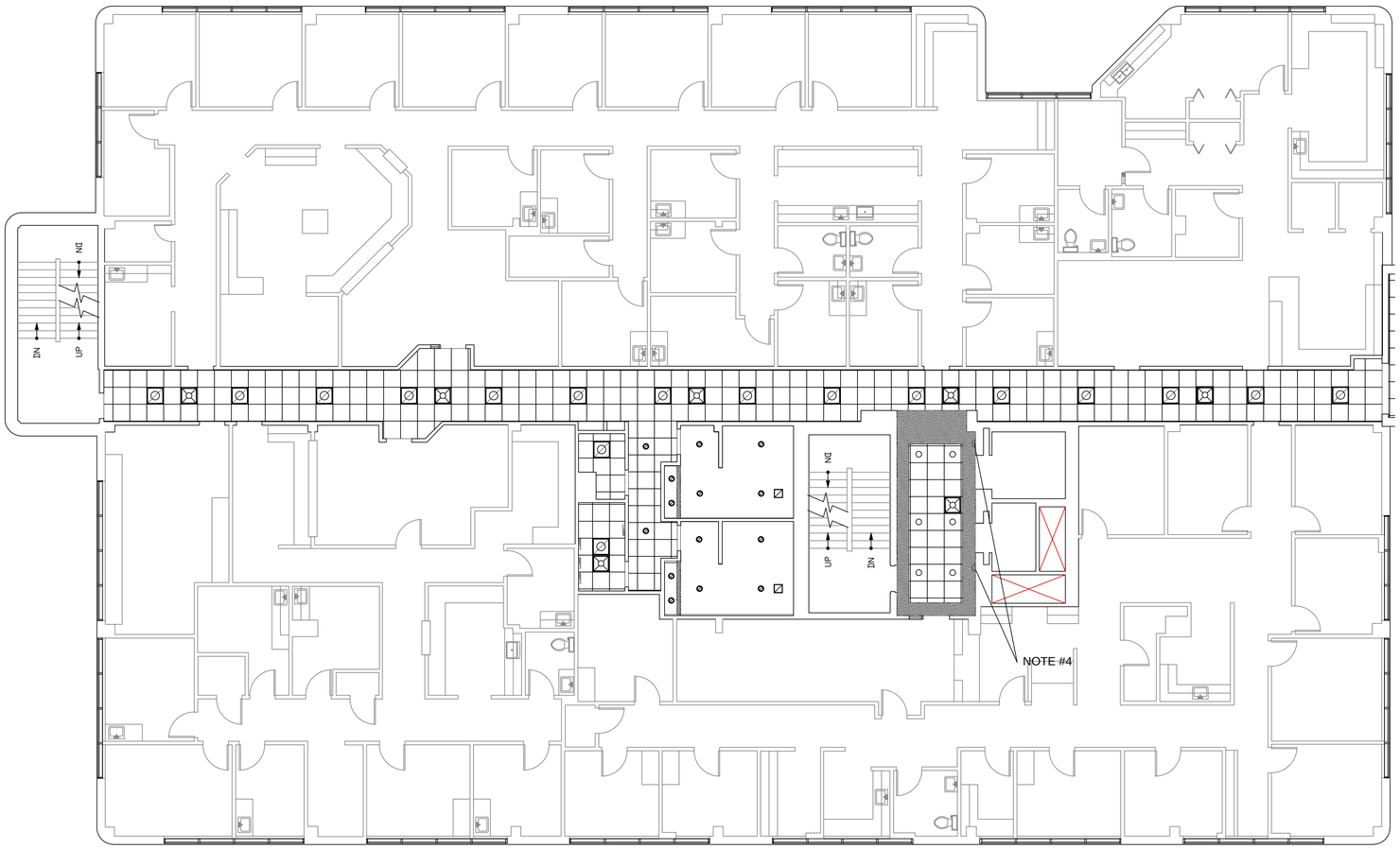

1 CEILING PLAN - 1411 SECOND FLOOR

1/8"=1'-0"
0 8 FEET

CEILING SYMBOL LEGEND:

- SUPPLY DIFFUSER (SIZE VARIES) "TITUS-OMNI-AA-NT"
- EXHAUST OR RETURN REGISTER (SIZE VARIES)
- SURFACE-MOUNTED LED LUMINAIRE
- RECESSED LED LUMINAIRE
- EXIT LIGHT
- GYPSUM BOARD AND/OR PLASTER CEILING OR BULKHEADS.

SEE ELECTRICAL DWGS

CEILING HEIGHT LEGEND:

ALL CEILINGS TO MATCH EXISTING HEIGHT, OR SHALL BE 9'-0" UNLESS OTHERWISE NOTED ON THE PLAN.

A	7'-0"	F	10'-0"
B	7'-6"	G	12'-0"
C	8'-0"	H	*
D	8'-8"	I	11'-0"
E	9'-0	J	16'-2"

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4. PROVIDE WALL SCONCE LIGHT FIXTURE. SEE FINISH PLAN. MOUNTING HGT. TO MATCH 1421 BLDG.
5. PATCH ALL CONSTRUCTION, FINISHES, AND APPURTENANCES EFFECTED BY THE WORK TO MATCH ORIGINAL CONDITION.
6. NOT USED
7. SPRINKLER HEADS, DIFFUSERS, INCANDESCENT LUMINARIES, AND OTHER SURFACE-MOUNTED OR RECESSED CEILING ITEMS SHOWN FOR LOCATION ONLY. REFER TO MECHANICAL, PLUMBING, AND ELECTRICAL DOCUMENTS FOR ADDITIONAL INFORMATION.
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SOUND WALLS NOT SHOWN FOR CLARIFICATION

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ORIG. ISSUE DATE:
11-11-2016

PROJECT NUMBER
0416

REFLECTED CEILING PLAN

A3.0-2

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Permit #: *17-1253295-LT*

City of Aurora Building Division
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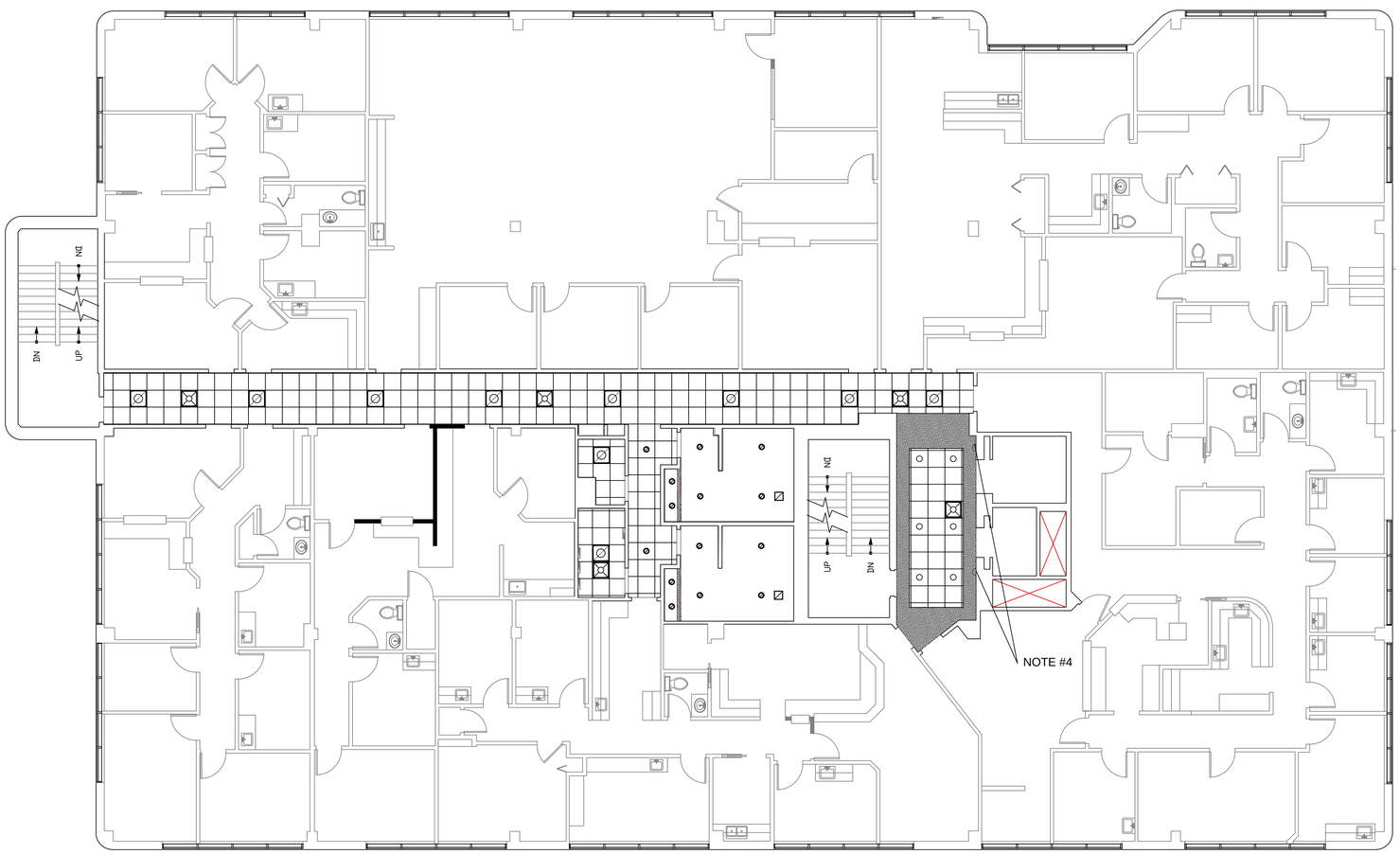

1 CEILING PLAN - 1411 THIRD FLOOR

1/8"=1'-0"
0 8 FEET

CEILING SYMBOL LEGEND:

- SUPPLY DIFFUSER (SIZE VARIES) "TITUS-OMNI-AA-NT"
- EXHAUST OR RETURN REGISTER (SIZE VARIES)
- SURFACE-MOUNTED LED LUMINAIRE
- RECESSED LED LUMINAIRE
- EXIT LIGHT
- GYPSUM BOARD AND/OR PLASTER CEILING OR BULKHEADS.

SEE ELECTRICAL DWGS

CEILING HEIGHT LEGEND:

ALL CEILINGS TO BE 9'-0" UNLESS OTHERWISE NOTED ON THE PLAN.

A	7'-0"	F	10'-0"
B	7'-6"	G	12'-0"
C	8'-0"	H	*
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E	9'-0	J	16'-2"

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5. PATCH ALL CONSTRUCTION, FINISHES, AND APPURTENANCES EFFECTED BY THE WORK TO MATCH ORIGINAL CONDITION.
6. NOT USED
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ORIG. ISSUE DATE:
11-11-2016

PROJECT NUMBER
0416

REFLECTED CEILING PLAN

A3.0-3

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City of Aurora Building Division
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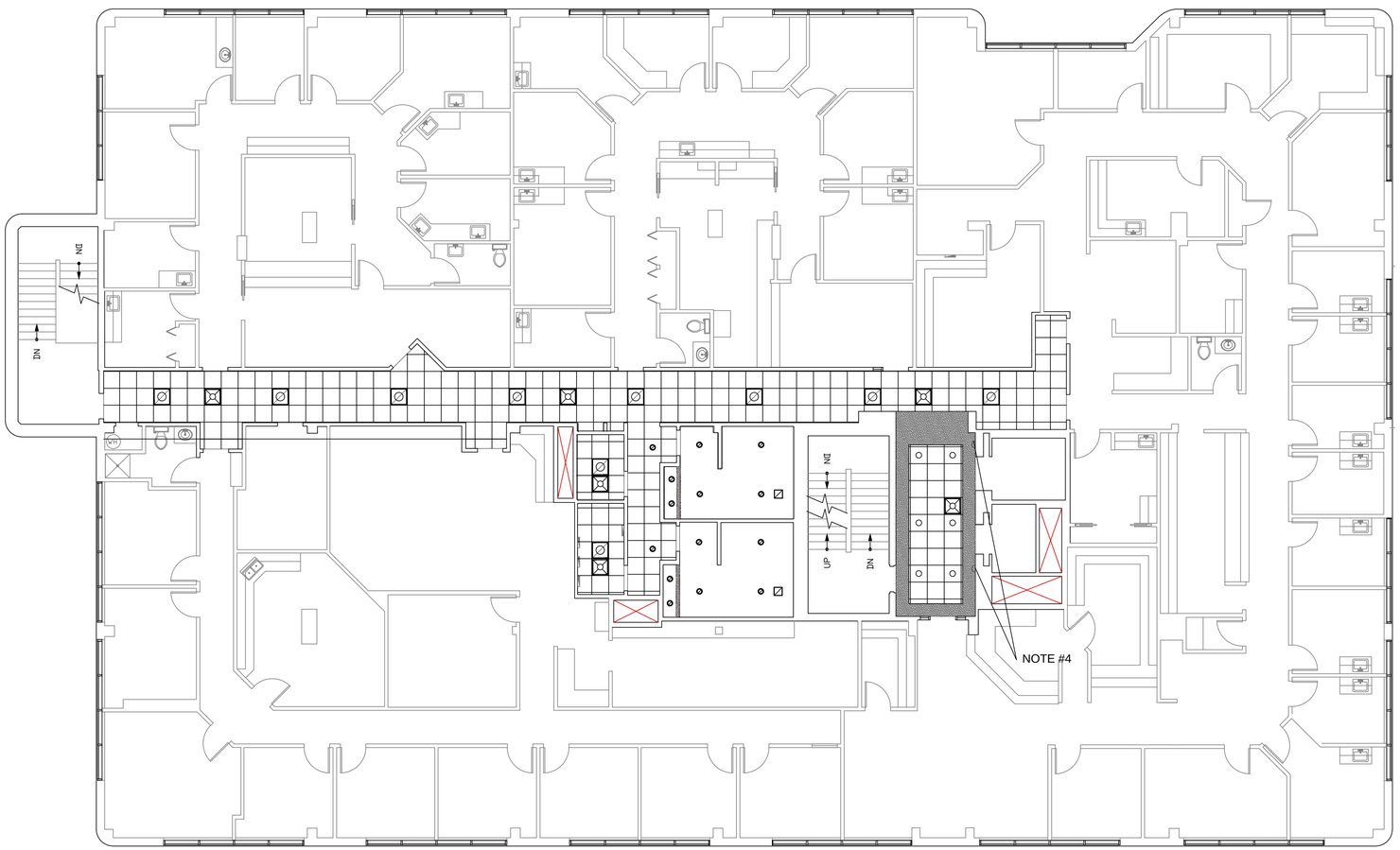

1 CEILING PLAN - 1411 FOURTH FLOOR

1/8"=1'-0"

0 8 FEET

CEILING SYMBOL LEGEND:

- SUPPLY DIFFUSER (SIZE VARIES) "TITUS-OMNI-AA-NT"
- EXHAUST OR RETURN REGISTER (SIZE VARIES)
- SURFACE-MOUNTED LED LUMINAIRE
- RECESSED LED LUMINAIRE
- EXIT LIGHT
- GYPSUM BOARD AND/OR PLASTER CEILING OR BULKHEADS.

SEE ELECTRICAL DWGS

CEILING HEIGHT LEGEND:

ALL CEILINGS TO MATCH EXISTING HEIGHT, OR SHALL BE 9'-0" UNLESS OTHERWISE NOTED ON THE PLAN.

A	7'-0"	F	10'-0"
B	7'-6"	G	12'-0"
C	8'-0"	H	*
D	8'-8"	I	11'-0"
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PROJECT NUMBER
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REFLECTED CEILING PLAN

A3.0-4

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Permit #: *17-1253295-LT*

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This sheet of drawings has not been reviewed for code compliance.

1 CEILING PLAN - 1421 LOWER LEVEL

CEILING SYMBOL LEGEND:

- SUPPLY DIFFUSER (SIZE VARIES) "TITUS-OMNI-AA-NT"
- EXHAUST OR RETURN REGISTER (SIZE VARIES)
- SURFACE-MOUNTED LED LUMINAIRE
- RECESSED LED LUMINAIRE
- EXIT LIGHT
- GYPSUM BOARD AND/OR PLASTER CEILING OR BULKHEADS.

SEE ELECTRICAL DWGS

CEILING HEIGHT LEGEND:

ALL CEILINGS TO MATCH EXISTING HEIGHT, OR SHALL BE 9'-0" UNLESS OTHERWISE NOTED ON THE PLAN.

A	7'-0"	F	10'-0"
B	7'-6"	G	12'-0"
C	8'-0"	H	*
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SOUND WALLS NOT SHOWN FOR CLARIFICATION

INTERIOR DWG. SET
A RENOVATION FOR

MEDICAL CENTER II

FOR HCP

1411 S POTOMAC ST
AURORA, CO
80012

CASSETTY
ARCHITECTURE

STATE OF COLORADO
J. CLINTON CASSETTY
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ORIG. ISSUE DATE:
11-11-2016

PROJECT NUMBER
0 4 1 6

REFLECTED CEILING PLAN

A3.0-5

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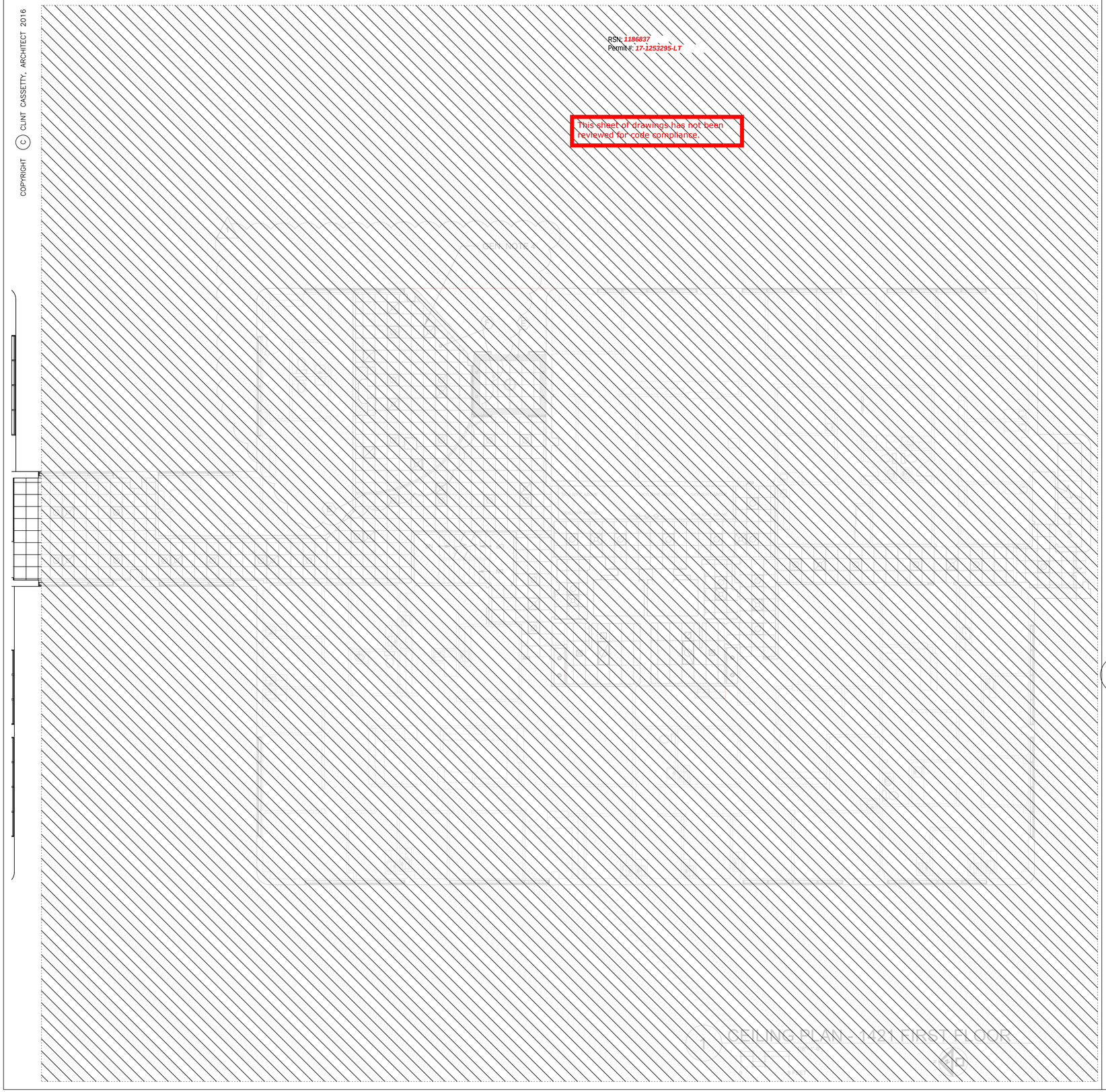
RSN: 1186837
Permit #: 17-1253295-LT

This sheet of drawings has not been reviewed for code compliance.



1 CEILING PLAN - 1421 FIRST FLOOR

CEILING SYMBOL LEGEND:

- SUPPLY DIFFUSER (SIZE VARIES) "TITUS-OMNI-AA-NT"
- EXHAUST OR RETURN REGISTER (SIZE VARIES)
- SURFACE-MOUNTED LED LUMINAIRE
- RECESSED LED LUMINAIRE
- EXIT LIGHT
- GYPSUM BOARD AND/OR PLASTER CEILING OR BULKHEADS.
- DECORATIVE PENDANT SEE ELECTRICAL DWGS
- LED WALL WASH SEE ELECTRICAL DWGS

SEE ELECTRICAL DWGS

CEILING HEIGHT LEGEND:

ALL CEILINGS TO MATCH EXISTING HEIGHT, OR SHALL BE 9'-0" UNLESS OTHERWISE NOTED ON THE PLAN.

A	7'-0"	F	10'-0"
B	7'-6"	G	12'-0"
C	8'-0"	H	*
D	8'-8"	I	11'-0"
E	9'-0	J	16'-2"

GENERAL NOTES:

1. CONTRACTOR SHALL STUDY AND COMPARE THE REFLECTED CEILING PLANS WITH THE MECHANICAL AND ELECTRICAL DRAWINGS FOR LUMINARIES, DIFFUSERS, AND GRILLES. REPORT TO THE ARCHITECT ANY ERROR, INCONSISTENCY, OR OMISSION DISCOVERED.

2. CONTRACTOR TO VERIFY THAT ACCESS PANELS OF APPROPRIATE SIZE AND TYPE ARE INSTALLED IN GYPSUM BOARD CEILINGS OR SOFFITS AND IN OTHER NON-ACCESSIBLE TYPE CEILINGS OR SOFFITS WHERE ACCESS, SERVICE OR ADJUSTMENT TO MECHANICAL PLUMBING OR ELECTRICAL ITEMS MAY BE REQUIRED. ACCESS PANELS SHALL BE FIRE RATED EQUAL TO THE RATING OF THE CEILING OR SOFFIT IN WHICH THEY OCCUR. COORDINATE LOCATIONS WITH MECHANICAL DOCUMENTS AND WITH ACTUAL CONSTRUCTION.

3. CONTRACTOR TO COORDINATE THE INSTALLATION OF ALL OWNER SUPPLIED VENDORS. IE PHONE, DATA, CABLE, ETC.

4. NEW DIFFUSERS TIED TO EXISTING DUCTWORK ARRAY. TIE NEW LOCATIONS TO EXISTING HVAC EQUIP. AFTER CEILING DEMOLITION , CONTRACTOR TO SUBMIT NEW FLEX DUCT LAYOUT TO MECHANICAL ENGINEER FOR APPROVAL. 1

5. PATCH ALL CONSTRUCTION, FINISHES, AND APPURTENANCES EFFECTED BY THE WORK TO MATCH ORIGINAL CONDITION.

6. NOT USED

7. SPRINKLER HEADS, DIFFUSERS, INCANDESCENT LUMINARIES, AND OTHER SURFACE-MOUNTED OR RECESSED CEILING ITEMS SHOWN FOR LOCATION ONLY. REFER TO MECHANICAL, PLUMBING, AND ELECTRICAL DOCUMENTS FOR ADDITIONAL INFO.

8. PATCH RATED WALLS IF DAMAGED DURING INSTALLATION OF ABOVE-CEILING WORK SO AS TO MAINTAIN INTEGRITY OF EXISTING RATINGS.

9. NOT USED

10. NOT USED.

11. SEE FINISH DRAWINGS FOR FINISH MATERALS AND COLORS.

12. PAINT ALL SOFFITS AND FURR DOWNS TO MATCH ADJACENT WALL FINISH (VERTICAL AND HORIZONTAL SURFACES)

13. PAINT ALL GYPSUM BOARD CEILINGS - SHERWIN WILLIAMS HARMONY FLAT SW 7005 PURE WHITE UNLESS OTHERWISE NOTED. APPLY TWO FINISH COATS.

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ORIG. ISSUE DATE:
11-11-2016

1 1-19-17 OWNER CHG.

PROJECT NUMBER
0416

REFLECTED CEILING PLAN

A3.0-6

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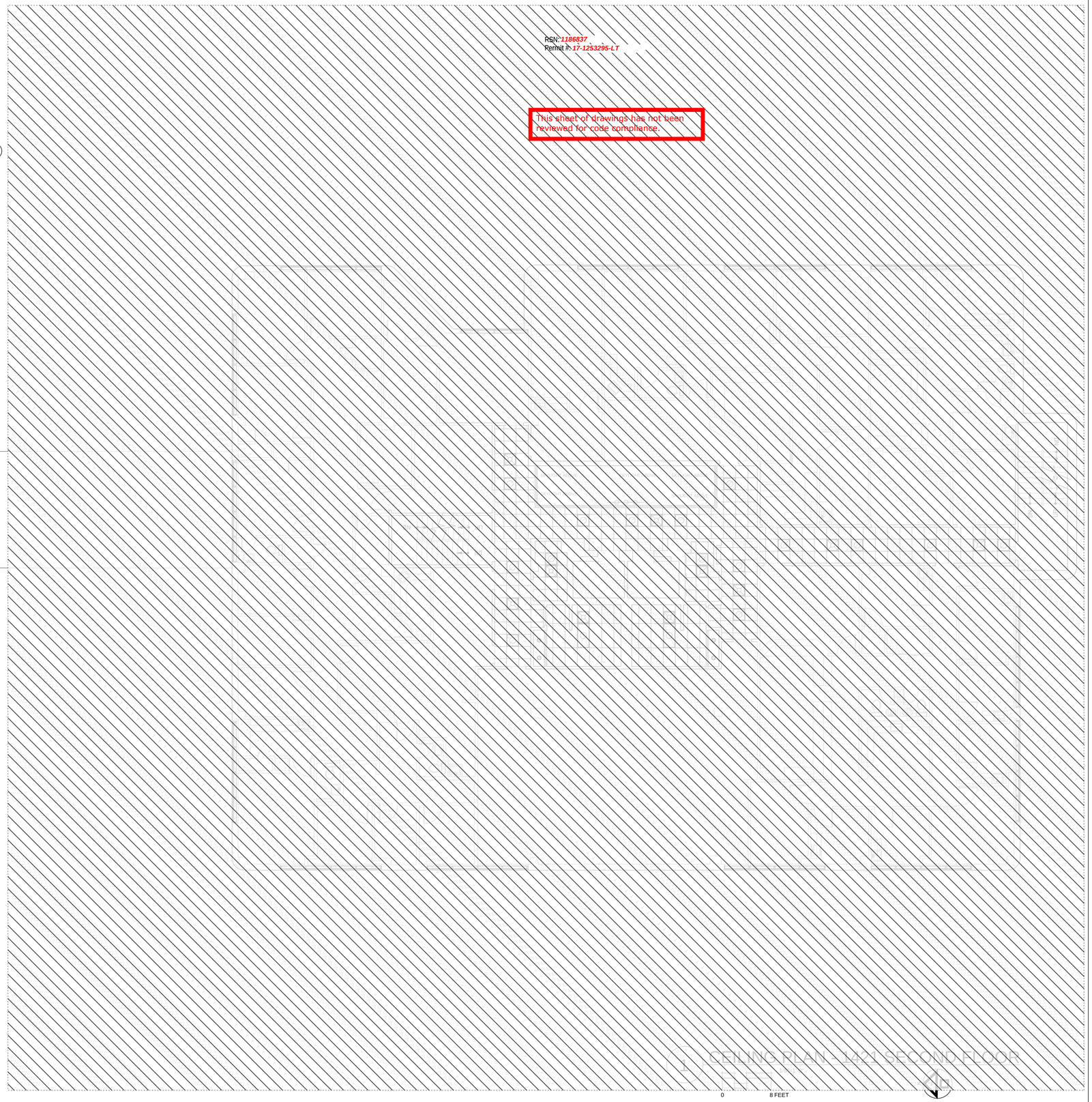

CEILING SYMBOL LEGEND:

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- EXHAUST OR RETURN REGISTER (SIZE VARIES)
- SURFACE-MOUNTED LED LUMINAIRE
- LED WALL WASH SEE ELECTRICAL DWGS
- RECESSED LED LUMINAIRE
- EXIT LIGHT
- GYPSUM BOARD AND/OR PLASTER CEILING OR BULKHEADS.

SEE ELECTRICAL DWGS

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ORIG. ISSUE DATE:
11-11-2016

PROJECT NUMBER
0416

REFLECTED CEILING PLAN

A3.0-7

RSN: *1186837*
Permit #: *17-1253295-LT*

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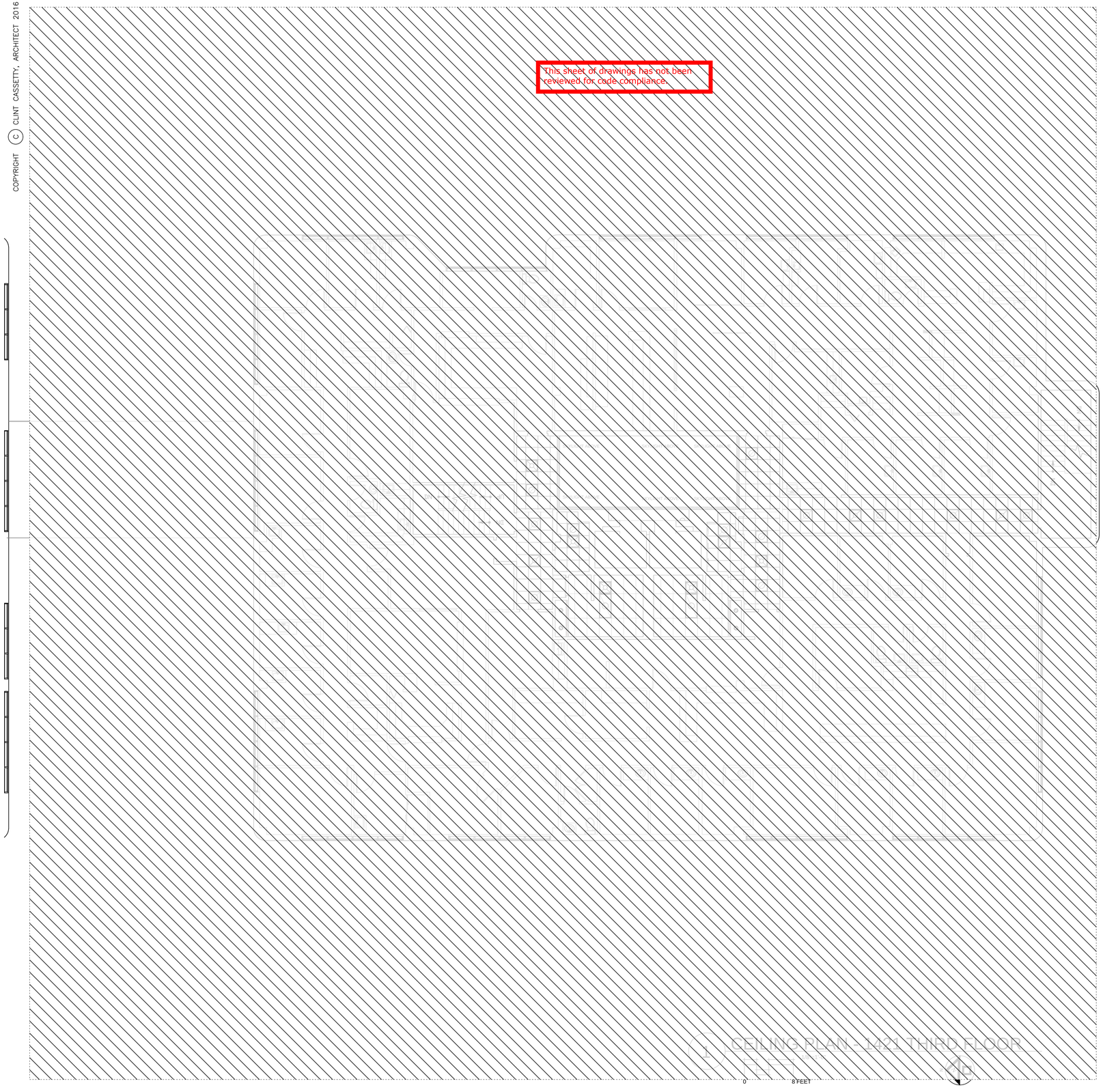

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PROJECT NUMBER
0416

REFLECTED CEILING PLAN

A3.0-8

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HARDWARE FUNCTIONS

OUTSIDE

PASSAGE LATCH
BOTH LEVERS ALWAYS UNLOCKED

ENTRANCE LOCK
UNLOCKED BY KEY FROM OUTSIDE WHEN OUTER LEVER IS LOCKED BY TURN-BUTTON IN INSIDE LEVER. INSIDE LEVER ALWAYS UNLOCKED

ENTRANCE / OFFICE LOCK
PUSH - BUTTON LOCKING. PUSHING BUTTON LOCKS OUTSIDE LEVER UNTIL UNLOCKED WITH A KEY OR BY TURNING INSIDE LEVER.

STORE LOCK
KEY IN EITHER LEVER LOCKS OR UNLOCKS BOTH SIDES

CLASSROOM LOCK
OUTSIDE LEVER LOCKED AND UNLOCKED BY KEY. INSIDE LEVER ALWAYS UNLOCKED.

CORRIDOR LOCK
LOCKED OR UNLOCKED BY KEY FROM THE OUTSIDE. PUSH - BUTTON LOCKING FROM THE INSIDE. TURNING INSIDE LEVER OR CLOSING DOOR RELEASES BUTTON.

COMMUNICATING LOCK
KEY IN EITHER LEVER LOCKS OR UNLOCKS EACH LEVER INDEPENDANTLY

OUTPATIENT / PRIVACY LOCK
PUSH - BUTTON LOCKING. TURNING INSIDE LEVER RELEASES BUTTON. ROTATING LEVER OR CLOSING DOOR RELEASES BUTTON UNLOCKED FROM OUTSIDE BY TURNING EMERGENCY TURN-BUTTON.

PANIC
PUSHING PANIC BAR RELEASES DOOR. LOCKED BY KEY FROM OUTSIDE, OR INSIDE. PUSH BAR OVERRIDES LOCK FROM INSIDE.

PUSH / PULL
PUSHING BAR RELEASES DOOR. BOTH LEVERS ALWAYS UNLOCKED

TOP

HOSPITAL/ BI-SWING
PUSH PLATE ACTIVATES DOOR THROW BI SWING DOOR

HARDWARE MANUFACTURERS

MK = MCKINNEY
RO = ROCKWOOD
RU = CORBIN RUSSWIN
SA = SARGENT
SU = SECURITRON
BM = BESAM
NO = NORTON
PE = PEMKO

HARDWARE SETS

No. 1 - CORE TOILET ROOMS

SINGLE PRIVACY LATCH

3 HINGE	TA2714 4-1/2" X 4-1/2"	US26D	MK
1 MORTISE LOCK	ML2030 102E3 MT2 M19V	626	RU
1 CLOSER	DC8200	689	RU
1 WALL STOP	409	US32D	RO

No. 2 - ENTRY DOORS

SINGLE KEYED EXIT

3 HINGE HEAVY WGT	TA3786 NRP 4-1/2" X 4-1/2"	US26D	MK
1 EXIT DEVICE (RIM, CLASSRM)	ED5200SA 102955 ACP CT6B	630	RU
1 INTERCHG CORE	8500GMK	626	RU
1 CLOSER	DC8210 A4	689	RU
1 GASKETING	S88D X LAR		PE

No. 3 - ENTRY DOORS

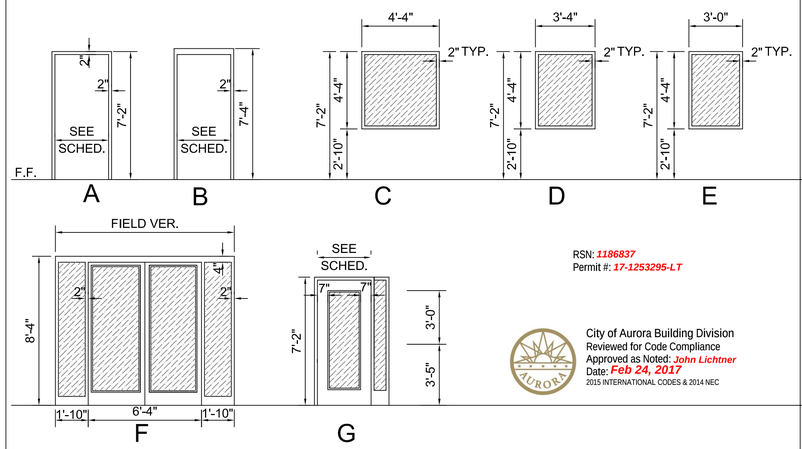
PAIR KEYED EXIT

6 HINGE HEAVY WGT	TA3786 NRP 4-1/2" X 4-1/2"	US26D	MK
2 EXIT DEVICE (RIM, CLASSRM)	ED5200SA 102955 ACP CT6B	630	RU
1 INTERCHG CORE	8500GMK	626	RU
2 CLOSER	DC8210 A4	689	RU
2 GASKETING	S88D X LAR		PE

NOTE OMITTED

2

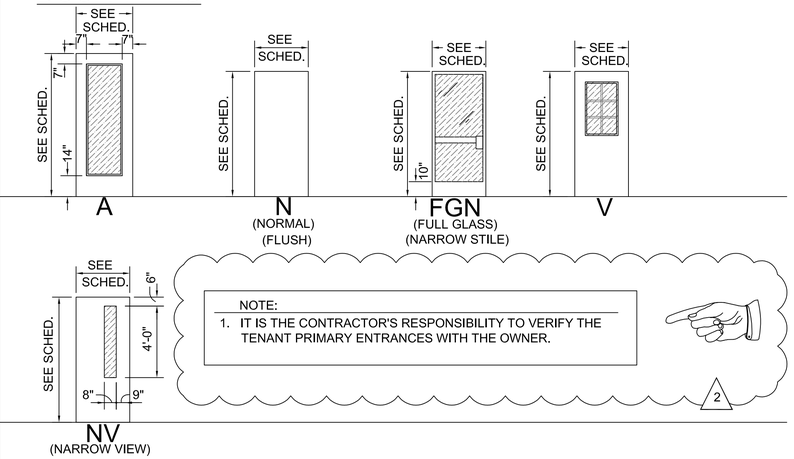
FRAME TYPES



RSN: 1186837
Permit #: 17-1253295-LT

City of Aurora Building Division
Reviewed for Code Compliance
Approved as Noted: John Lichtner
Date: Feb 24, 2017
2015 INTERNATIONAL CODES & 2014 NEC

DOOR TYPES



NOTE:
1. IT IS THE CONTRACTOR'S RESPONSIBILITY TO VERIFY THE TENANT PRIMARY ENTRANCES WITH THE OWNER.

2

DOOR SCHEDULE - 1411 BLDG

DOORS	HARDWARE						DOOR SIZE & TYPE							DOOR MATERIAL		FRAMES			
FIRE RATED ASSEMBLY	NO.	HARDWARE FUNCTION	CLOSER (Closer at all FR doors)	STOP	KICKPLATE	OTHER	TYPE	WIDTH	OTHER	PAIR	HEIGHT			MATERIAL	GLASS	MAT'L	GLASS		
20 MIN	109.1/01	MATCH EX	YES	–	NO	–	N	MATCH EX	–	–	NO	MATCH EX	– –	WD	NONE –	RETAIN EX	A –	NONE –	·SERVER/TELE, RM 109
	140.1/01	MATCH EX	YES	–	NO	–	A	MATCH EX	–	–	NO	MATCH EX	– –	WD	TEMP CLR –	RETAIN EX	– –	. –	TENANT AT CORRIDOR
	140.1/02	MATCH EX	YES	–	NO	–	N	MATCH EX	–	–	NO	MATCH EX	– –	WD	TEMP CLR –	RETAIN EX	– –	SECONDARY, NOT MAIN ENTRY –	TENANT AT CORRIDOR
	170.1/01	MATCH EX	YES	–	NO	–	G	MATCH EX	–	–	NO	MATCH EX	– –	WD	TEMP CLR –	RETAIN EX	– –	. –	TENANT AT CORRIDOR
	170.1/02	MATCH EX	YES	–	NO	–	N	MATCH EX	–	–	NO	MATCH EX	– –	WD	TEMP CLR –	RETAIN EX	– –	SECONDARY, NOT MAIN ENTRY –	TENANT AT CORRIDOR
	190.1/01	MATCH EX	YES	–	NO	–	A	MATCH EX	–	–	YES	MATCH EX	– –	WD	TEMP CLR –	RETAIN EX	– –	. –	TENANT AT CORRIDOR
	200.1/01	MATCH EX	YES	–	NO	–	G	MATCH EX	–	–	NO	MATCH EX	– –	WD	TEMP CLR –	RETAIN EX	– –	. –	TENANT AT CORRIDOR
	200.1/02	MATCH EX	YES	–	NO	–	N	MATCH EX	–	–	NO	MATCH EX	– –	WD	TEMP CLR –	RETAIN EX	– –	SECONDARY, NOT MAIN ENTRY –	TENANT AT CORRIDOR
	210.1/01	MATCH EX	YES	–	NO	–	A	MATCH EX	–	–	NO	MATCH EX	– –	WD	TEMP CLR –	RETAIN EX	– –	. –	TENANT AT CORRIDOR
	210.1/02	MATCH EX	YES	–	NO	–	N	MATCH EX	–	–	NO	MATCH EX	– –	WD	TEMP CLR –	RETAIN EX	– –	SECONDARY, NOT MAIN ENTRY –	TENANT AT CORRIDOR
	230.1/01	MATCH EX	YES	–	NO	–	A	MATCH EX	–	–	NO	MATCH EX	– –	WD	TEMP CLR –	RETAIN EX	– –	. –	TENANT AT CORRIDOR
	250.1/01	MATCH EX	YES	–	NO	–	G	MATCH EX	–	–	NO	MATCH EX	– –	WD	TEMP CLR –	RETAIN EX	– –	. –	TENANT AT CORRIDOR
	250.1/02	MATCH EX	YES	–	NO	–	N	MATCH EX	–	–	NO	MATCH EX	– –	WD	TEMP CLR –	RETAIN EX	– –	SECONDARY, NOT MAIN ENTRY –	TENANT AT CORRIDOR
	250.1/03	MATCH EX	YES	–	NO	–	N	MATCH EX	–	–	NO	MATCH EX	– –	WD	TEMP CLR –	RETAIN EX	– –	SECONDARY, NOT MAIN ENTRY –	TENANT AT CORRIDOR
	290.1/01	MATCH EX	YES	–	NO	–	A	MATCH EX	–	–	NO	MATCH EX	– –	WD	TEMP CLR –	RETAIN EX	– –	. –	TENANT AT CORRIDOR
	290.1/02	MATCH EX	YES	–	NO	–	N	MATCH EX	–	–	NO	MATCH EX	– –	WD	TEMP CLR –	RETAIN EX	– –	SECONDARY, NOT MAIN ENTRY –	TENANT AT CORRIDOR
	300.1/01	MATCH EX	YES	–	NO	–	A	MATCH EX	–	–	NO	MATCH EX	– –	WD	TEMP CLR –	RETAIN EX	– –	. –	TENANT AT CORRIDOR
	300.1/02	MATCH EX	YES	–	NO	–	N	MATCH EX	–	–	NO	MATCH EX	– –	WD	TEMP CLR –	RETAIN EX	– –	SECONDARY, NOT MAIN ENTRY –	TENANT AT CORRIDOR
	310.1/01	MATCH EX	YES	–	NO	–	A	MATCH EX	–	–	NO	MATCH EX	– –	WD	TEMP CLR –	RETAIN EX	– –	. –	TENANT AT CORRIDOR
	310.1/02	MATCH EX	YES	–	NO	–	N	MATCH EX	–	–	NO	MATCH EX	– –	WD	TEMP CLR –	RETAIN EX	– –	SECONDARY, NOT MAIN ENTRY –	TENANT AT CORRIDOR
	320.1/01	MATCH EX	YES	–	NO	–	A	MATCH EX	–	–	NO	MATCH EX	– –	WD	TEMP CLR –	RETAIN EX	– –	. –	TENANT AT CORRIDOR
	320.1/02	MATCH EX	YES	–	NO	–	N	MATCH EX	–	–	NO	MATCH EX	– –	WD	TEMP CLR –	RETAIN EX	– –	SECONDARY, NOT MAIN ENTRY –	TENANT AT CORRIDOR
	330.1/01	MATCH EX	YES	–	NO	–	A	MATCH EX	–	–	NO	MATCH EX	– –	WD	TEMP CLR –	RETAIN EX	– –	. –	TENANT AT CORRIDOR
	330.1/02	MATCH EX	YES	–	NO	–	N	MATCH EX	–	–	NO	MATCH EX	– –	WD	TEMP CLR –	RETAIN EX	– –	SECONDARY, NOT MAIN ENTRY –	TENANT AT CORRIDOR
	340.1/01	MATCH EX	YES	–	NO	–	A	MATCH EX	–	–	NO	MATCH EX	– –	WD	TEMP CLR –	RETAIN EX	– –	. –	TENANT AT CORRIDOR
	340.1/02	MATCH EX	YES	–	NO	–	N	MATCH EX	–	–	NO	MATCH EX	– –	WD	TEMP CLR –	RETAIN EX	– –	SECONDARY, NOT MAIN ENTRY –	TENANT AT CORRIDOR
	350.1/01	MATCH EX	YES	–	NO	–	A	MATCH EX	–	–	NO	MATCH EX	– –	WD	TEMP CLR –	RETAIN EX	– –	. –	TENANT AT CORRIDOR
	350.1/02	MATCH EX	YES	–	NO	–	N	MATCH EX	–	–	NO	MATCH EX	– –	WD	TEMP CLR –	RETAIN EX	– –	SECONDARY, NOT MAIN ENTRY –	TENANT AT CORRIDOR
	360.1/01	MATCH EX	YES	–	NO	–	A	MATCH EX	–	–	NO	MATCH EX	– –	WD	TEMP CLR –	RETAIN EX	– –	. –	TENANT AT CORRIDOR
	360.1/02	MATCH EX	YES	–	NO	–	N	MATCH EX	–	–	NO	MATCH EX	– –	WD	TEMP CLR –	RETAIN EX	– –	SECONDARY, NOT MAIN ENTRY –	TENANT AT CORRIDOR
C 45																			
	400.1/01	MATCH EX	YES	–	NO	–	G	MATCH EX	–	–	NO	MATCH EX	– –	WD	TEMP CLR –	RETAIN EX	– –	2 SIDELIGHTS FIELD VER. –	TENANT AT CORRIDOR
	400.1/02	MATCH EX	YES	–	NO	–	N	MATCH EX	–	–	NO	MATCH EX	– –	WD	TEMP CLR –	RETAIN EX	– –	SECONDARY, NOT MAIN ENTRY –	TENANT AT CORRIDOR
	400.1/03	MATCH EX	YES	–	NO	–	N	MATCH EX	–	–	NO	MATCH EX	– –	WD	TEMP CLR –	RETAIN EX	– –	SECONDARY, NOT MAIN ENTRY –	TENANT AT CORRIDOR
	420.1/01	MATCH EX	YES	–	NO	–	A	MATCH EX	–	–	NO	MATCH EX	– –	WD	TEMP CLR –	RETAIN EX	– –	. –	TENANT AT CORRIDOR
	420.1/02	MATCH EX	YES	–	NO	–	N	MATCH EX	–	–	NO	MATCH EX	– –	WD	TEMP CLR –	RETAIN EX	– –	SECONDARY, NOT MAIN ENTRY –	TENANT AT CORRIDOR
	420.1/03	MATCH EX	YES	–	NO	–	N	MATCH EX	–	–	NO	MATCH EX	– –	WD	TEMP CLR –	RETAIN EX	– –	. –	
	440.1/01	MATCH EX	YES	–	NO	–	G	MATCH EX	–	–	NO	MATCH EX	– –	WD	TEMP CLR –	RETAIN EX	– –	. –	TENANT AT CORRIDOR
	440.1/02	MATCH EX	YES	–	NO	–	N	MATCH EX	–	–	NO	MATCH EX	– –	WD	TEMP CLR –	RETAIN EX	– –	. –	
	450.1/01	MATCH EX	YES	–	NO	–	G	MATCH EX	–	–	NO	MATCH EX	– –	WD	TEMP CLR –	RETAIN EX	– –	. –	TENANT AT CORRIDOR
B 1 (60)	450.1/02	MATCH EX	YES	–	NO	–	N	MATCH EX	–	–	NO	MATCH EX	– –	WD	TEMP CLR –	RETAIN EX	– –	. –	
B 1.5 (90)																			
C 45	100.1/01	MATCH EX	YES	–	NO	–	N	MATCH EX	–	–	YES	MATCH EX	– –	WD	NONE –	RETAIN EX	A –	NONE –	TENANT AT CORRIDOR
	107.1/01	MATCH EX	YES	–	NO	–	N	MATCH EX	–	–	NO	MATCH EX	– –	WD	NONE –	RETAIN EX	A –	NONE –	·ELECTRICAL RM 107
	108.1/01	MATCH EX	YES	–	NO	–	N	MATCH EX	–	–	NO	MATCH EX	– –	WD	NONE –	RETAIN EX	A –	NONE –	·JAN CLOS 108
	207.1/01	MATCH EX	YES	–	NO	–	N	MATCH EX	–	–	NO	MATCH EX	– –	WD	NONE –	RETAIN EX	A –	NONE –	·ELEC RM 207

2

INTERIOR DWG. SET
A RENOVATION FOR

MEDICAL CENTER II

FOR HCP

1411 S POTOMAC ST
AURORA, CO
80012

CASSETTY

ARCHITECTURE

STATE OF COLORADO
J. CLINTON CASSETTY
ARC.00404458
12/5/16
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ORIG. ISSUE DATE:
11-11-2016

2	2-14-17 OWNER CHG.

PROJECT NUMBER
0 4 1 6

DOOR AND WINDOW SCHEDULE

A7.0

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HARDWARE FUNCTIONS

OUTSIDE

PASSAGE LATCH
BOTH LEVERS ALWAYS UNLOCKED

ENTRANCE LOCK
UNLOCKED BY KEY FROM OUTSIDE WHEN OUTER LEVER IS LOCKED BY TURN-BUTTON IN INSIDE LEVER. INSIDE LEVER ALWAYS UNLOCKED

ENTRANCE / OFFICE LOCK
PUSH - BUTTON LOCKING. PUSHING BUTTON LOCKS OUTSIDE LEVER UNTIL UNLOCKED WITH A KEY OR BY TURNING INSIDE LEVER.

STORE LOCK
KEY IN EITHER LEVER LOCKS OR UNLOCKS BOTH SIDES

CLASSROOM LOCK
OUTSIDE LEVER LOCKED AND UNLOCKED BY KEY. INSIDE LEVER ALWAYS UNLOCKED.

CORRIDOR LOCK
LOCKED OR UNLOCKED BY KEY FROM THE OUTSIDE. PUSH - BUTTON LOCKING FROM THE INSIDE. TURNING INSIDE LEVER OR CLOSING DOOR RELEASES BUTTON.

COMMUNICATING LOCK
KEY IN EITHER LEVER LOCKS OR UNLOCKS EACH LEVER INDEPENDANTLY

OUTPATIENT / PRIVACY LOCK
PUSH - BUTTON LOCKING. TURNING INSIDE LEVER RELEASES BUTTON. ROTATING LEVER OR CLOSING DOOR RELEASES BUTTON UNLOCKED FROM OUTSIDE BY TURNING EMERGENCY TURN-BUTTON.

PANIC
PUSHING PANIC BAR RELEASES DOOR. LOCKED BY KEY FROM OUTSIDE, OR INSIDE. PUSH BAR OVERRIDES LOCK FROM INSIDE.

PUSH / PULL
PUSHING BAR RELEASES DOOR.
BOTH LEVERS ALWAYS UNLOCKED

TOP

HOSPITAL/ BI-SWING
PUSH PLATE ACTIVATES DOOR THROW
BI SWING DOOR

NOTE OMITTED

2

DOOR SCHEDULE - 1411 BLDG

DOORS	HARDWARE						DOOR SIZE & TYPE							DOOR MATERIAL		FRAMES			
FIRE RATED ASSEMBLY	NO.	HARDWARE FUNCTION	CLOSER (Closer at all FR doors)	STOP	KICKPLATE	OTHER	TYPE	WIDTH	OTHER	PAIR	HEIGHT			MATERIAL	GLASS	MAT'L	GLASS		
	207.1/01	MATCH EX	YES	–	NO	–	N	MATCH EX	–	NO	MATCH EX	–	–	WD	NONE –	RETAIN EX	A –	NONE –	.ELEC RM 207
	208.1/01	MATCH EX	YES	–	NO	–	N	MATCH EX	–	NO	MATCH EX	–	–	WD	NONE –	RETAIN EX	A –	NONE –	.JAN CLOS 208
	307.1/01	MATCH EX	YES	–	NO	–	N	MATCH EX	–	NO	MATCH EX	–	–	WD	NONE –	RETAIN EX	A –	NONE –	.ELEC RM 307
	308.1/01	MATCH EX	YES	–	NO	–	N	MATCH EX	–	NO	MATCH EX	–	–	WD	NONE –	RETAIN EX	A –	NONE –	.JAN CLOS 308
	407.1/01	MATCH EX	YES	–	NO	–	N	MATCH EX	–	NO	MATCH EX	–	–	WD	NONE –	RETAIN EX	A –	NONE –	.ELEC RM 407
	408.1/01	MATCH EX	YES	–	NO	–	N	MATCH EX	–	NO	MATCH EX	–	–	WD	NONE –	RETAIN EX	A –	NONE –	.JAN CLOS 408
	430.1/01	MATCH EX	YES	–	NO	–	N	MATCH EX	–	NO	MATCH EX	–	–	WD	NONE –	RETAIN EX	A –	NONE –	.STORAGE 430
B 1 (60)																			
B 1.5 (90)																			
	104.1/01	MATCH EX	YES	–	NO	–	N	MATCH EX	–	NO	MATCH EX	–	–	WD	NONE –	RETAIN EX	- –	NONE –	.SOUTH STAIR 104
	110.1/01	MATCH EX	YES	–	NO	–	N	MATCH EX	–	NO	MATCH EX	–	–	WD	NONE –	RETAIN EX	A –	NONE –	.NORTH STAIR 110
	204.1/01	MATCH EX	YES	–	NO	–	N	MATCH EX	–	NO	MATCH EX	–	–	WD	NONE –	RETAIN EX	A –	NONE –	.SOUTH STAIR 204
	209.1/01	MATCH EX	YES	–	NO	–	N	MATCH EX	–	YES	MATCH EX	–	–	WD	NONE –	RETAIN EX	. –	NONE –	.CROSS CORRIDOR
	211.1/01	MATCH EX	YES	–	NO	–	N	MATCH EX	–	NO	MATCH EX	–	–	WD	NONE –	RETAIN EX	A –	NONE –	.NORTH STAIR 211
	304.1/01	MATCH EX	YES	–	NO	–	N	MATCH EX	–	NO	MATCH EX	–	–	WD	NONE –	RETAIN EX	A –	NONE –	.SOUTH STAIR 304
	310.1/01	MATCH EX	YES	–	NO	–	N	MATCH EX	–	NO	MATCH EX	–	–	WD	NONE –	RETAIN EX	A –	NONE –	.NORTH STAIR 311
	404.1/01	MATCH EX	YES	–	NO	–	N	MATCH EX	–	NO	MATCH EX	–	–	WD	NONE –	RETAIN EX	A –	NONE –	.SOUTH STAIR 404
	410.1/01	MATCH EX	YES	–	NO	–	N	MATCH EX	–	NO	MATCH EX	–	–	WD	NONE –	RETAIN EX	A –	NONE –	.NORTH STAIR 410
SECURITY/ PERIMETER	101.1/01	MATCH EX	YES	–	NO	–	FG	MATCH EX	–	NO	MATCH EX	–	–	AL	TEMP CLR –	AL CLEAR ANOD	. –	NONE –	.VESTIBULE 101
	101.1/02	MATCH EX	YES	–	NO	–	FG	MATCH EX	–	NO	MATCH EX	–	–	AL	TEMP CLR –	AL CLEAR ANOD	. –	NONE –	.VESTIBULE 101
	100.1/03	MATCH EX	YES	–	NO	–	FG	MATCH EX	–	YES	MATCH EX	–	–	AL	TEMP CLR –	AL CLEAR ANOD	. –	NONE –	.DAVITA SUITE 100
SECURITY/ INTERIOR																			
TOILETS	105.1/01	PASSAGE	YES	YES	NO	–	N	MATCH EX	–	NO	MATCH EX	–	–	WD	NONE –	RETAIN EX –	–	POS LATCH FOR RATING –	.MALE TLT 105
	106.1/01	PASSAGE	YES	YES	NO	–	N	MATCH EX	–	NO	MATCH EX	–	–	WD	NONE –	RETAIN EX –	–	POS LATCH FOR RATING –	.FEMALE TLT 106
	205.1/01	PASSAGE	YES	YES	NO	–	N	MATCH EX	–	NO	MATCH EX	–	–	WD	NONE –	RETAIN EX –	–	POS LATCH FOR RATING –	.MALE TLT 205
	206.1/01	PASSAGE	YES	YES	NO	–	N	MATCH EX	–	NO	MATCH EX	–	–	WD	NONE –	RETAIN EX –	–	POS LATCH FOR RATING –	.FEMALE TLT 206
	305.1/01	PASSAGE	YES	YES	NO	–	N	MATCH EX	–	NO	MATCH EX	–	–	WD	NONE –	RETAIN EX –	–	POS LATCH FOR RATING –	.MALE TLT 305
	306.1/01	PASSAGE	YES	YES	NO	–	N	MATCH EX	–	NO	MATCH EX	–	–	WD	NONE –	RETAIN EX –	–	POS LATCH FOR RATING –	.FEMALE TLT 306
	405.1/01	PASSAGE	YES	YES	NO	–	N	MATCH EX	–	NO	MATCH EX	–	–	WD	NONE –	RETAIN EX –	–	POS LATCH FOR RATING –	.MALE TLT 405
	406.1/01	PASSAGE	YES	YES	NO	–	N	MATCH EX	–	NO	MATCH EX	–	–	WD	NONE –	RETAIN EX –	–	POS LATCH FOR RATING –	.FEMALE TLT 406
INTERIOR																			

RSN: *1186837*
Permit #: *17-1253295-LT*

City of Aurora Building Division
Reviewed for Code Compliance
Approved as Noted: *John Lichtner*
Date: *Feb 24, 2017*
2015 INTERNATIONAL CODES & 2014 NEC

INTERIOR DWG. SET
A RENOVATION FOR

MEDICAL CENTER II

FOR HCP

1411 S POTOMAC ST
AURORA, CO
80012

CASSETTY

ARCHITECTURE

STATE OF COLORADO
J. CLINTON CASSETTY
ARC.00404458
12/5/16
LICENSED ARCHITECT

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ORIG. ISSUE DATE:
11-11-2016

2 — 2-14-17 OWNER CHG.

PROJECT NUMBER
0416

DOOR AND WINDOW SCHEDULE

A7.1

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HARDWARE FUNCTIONS

OUTSIDE

PASSAGE LATCH
BOTH LEVERS ALWAYS UNLOCKED

ENTRANCE LOCK
UNLOCKED BY KEY FROM OUTSIDE WHEN OUTER LEVER IS LOCKED BY TURN-BUTTON IN INSIDE LEVER. INSIDE LEVER ALWAYS UNLOCKED

ENTRANCE / OFFICE LOCK
PUSH - BUTTON LOCKING. PUSHING BUTTON LOCKS OUTSIDE LEVER UNTIL UNLOCKED WITH A KEY OR BY TURNING INSIDE LEVER.

STORE LOCK
KEY IN EITHER LEVER LOCKS OR UNLOCKS BOTH SIDES

CLASSROOM LOCK
OUTSIDE LEVER LOCKED AND UNLOCKED BY KEY. INSIDE LEVER ALWAYS UNLOCKED.

CORRIDOR LOCK
LOCKED OR UNLOCKED BY KEY FROM THE OUTSIDE. PUSH - BUTTON LOCKING FROM THE INSIDE. TURNING INSIDE LEVER OR CLOSING DOOR RELEASES BUTTON.

COMMUNICATING LOCK
KEY IN EITHER LEVER LOCKS OR UNLOCKS EACH LEVER INDEPENDANTLY

OUTPATIENT / PRIVACY LOCK
PUSH - BUTTON LOCKING. TURNING INSIDE LEVER RELEASES BUTTON. ROTATING LEVER OR CLOSING DOOR RELEASES BUTTON UNLOCKED FROM OUTSIDE BY TURNING EMERGENCY TURN-BUTTON.

PANIC
PUSHING PANIC BAR RELEASES DOOR. LOCKED BY KEY FROM OUTSIDE, OR INSIDE. PUSH BAR OVERRIDES LOCK FROM INSIDE.

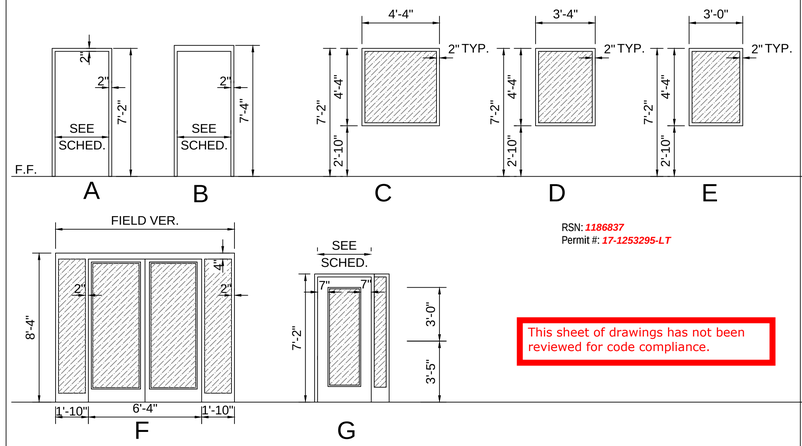
PUSH / PULL
PUSHING BAR RELEASES DOOR. BOTH LEVERS ALWAYS UNLOCKED

TOP

HOSPITAL/ BI-SWING
PUSH PLATE ACTIVATES DOOR THROW BI SWING DOOR

PRIVACY FILM ON ALL SECONDARY DOORS

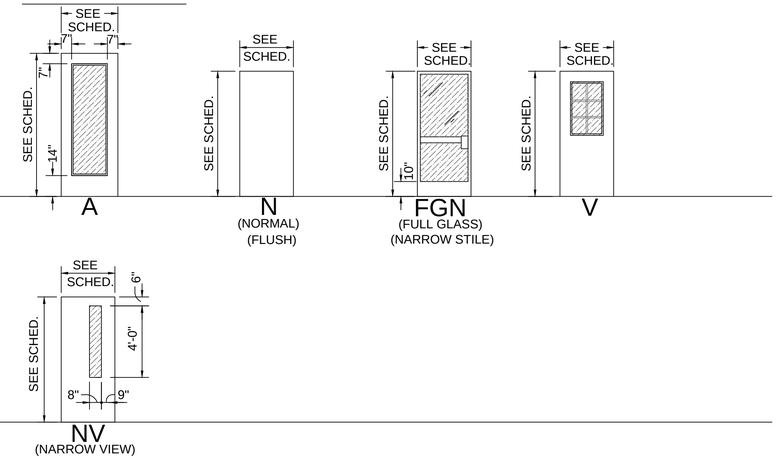
FRAME TYPES



RSN: *1186837*
Permit #: *17-1253295-LT*

This sheet of drawings has not been reviewed for code compliance.

DOOR TYPES

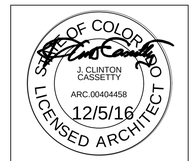


DOOR SCHEDULE - 1421 BLDG

[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

INTERIOR DWG. SET
A RENOVATION FOR
MEDICAL CENTER II
FOR HCP
1411 S POTOMAC ST
AURORA, CO
80012

CASSETTY
ARCHITECTURE



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ORIG. ISSUE DATE:
11-11-2016

PROJECT NUMBER
0 4 1 6

DOOR AND WINDOW SCHEDULE

A7.2

HARDWARE FUNCTIONS

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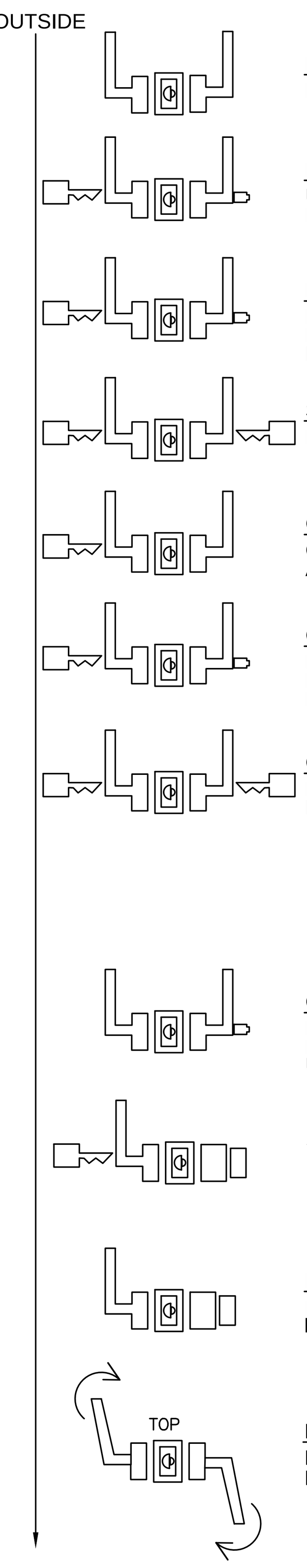

PASSAGE LATCH
BOTH LEVERS ALWAYS UNLOCKED

ENTRANCE LOCK
UNLOCKED BY KEY FROM OUTSIDE WHEN OUTER LEVER IS LOCKED BY TURN-BUTTON IN INSIDE LEVER. INSIDE LEVER ALWAYS UNLOCKED

ENTRANCE / OFFICE LOCK
PUSH - BUTTON LOCKING. PUSHING BUTTON LOCKS OUTSIDE LEVER UNTIL UNLOCKED WITH A KEY OR BY TURNING INSIDE LEVER.

STORE LOCK
KEY IN EITHER LEVER LOCKS OR UNLOCKS BOTH SIDES

CLASSROOM LOCK
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CORRIDOR LOCK
LOCKED OR UNLOCKED BY KEY FROM THE OUTSIDE. PUSH - BUTTON LOCKING FROM THE INSIDE. TURNING INSIDE LEVER OR CLOSING DOOR RELEASES BUTTON.

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KEY IN EITHER LEVER LOCKS OR UNLOCKS EACH LEVER INDEPENDANTLY

OUTPATIENT / PRIVACY LOCK
PUSH - BUTTON LOCKING. TURNING INSIDE LEVER RELEASES BUTTON. ROTATING LEVER OR CLOSING DOOR RELEASES BUTTON UNLOCKED FROM OUTSIDE BY TURNING EMERGENCY TURN-BUTTON.

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PUSH / PULL
PUSHING BAR RELEASES DOOR.
BOTH LEVERS ALWAYS UNLOCKED

HOSPITAL/ BI-SWING
PUSH PLATE ACTIVATES DOOR THROW
BI SWING DOOR

PRIVACY FILM ON ALL SECONDARY DOORS

DOOR SCHEDULE - 1421 BLDG

DOORS	HARDWARE						DOOR SIZE & TYPE						DOOR MATERIAL			FRAMES					
	NO.	HARDWARE FUNCTION	CLOSER	STOP	KICKPLATE	OTHER	TYPE	WIDTH	OTHER	PAIR	HEIGHT		MATERIAL	GLASS		MAT'L	CLASS				
FIRE	117.2/01	MATCH EX	YES	--	NO	---	N	MATCH EX	--- ---	NO	MATCH EX	--- --	WD	NONE	--	RETAIN EX	A	--	NONE	--	ELEC RM 117
	201.2/01	MATCH EX	YES	--	NO	---	N	MATCH EX	--- ---	NO	MATCH EX	-- --	WD	NONE	--	RETAIN EX	A	--	NONE	--	ELEC RM 201
	204.2/01	MATCH EX	YES	--	NO	---	N	MATCH EX	--- ---	NO	MATCH EX	--- --	WD	NONE	--	RETAIN EX	A	--	NONE	--	JAN CLOS 204
	301.2/01	MATCH EX	YES	--	NO	---	N	MATCH EX	--- ---	NO	MATCH EX	-- --	WD	NONE	--	RETAIN EX	A	--	NONE	--	ELEC RM 301
	304.2/01	MATCH EX	YES	--	NO	---	N	MATCH EX	--- ---	NO	MATCH EX	--- --	WD	NONE	--	RETAIN EX	A	--	NONE	--	JAN CLOS 304
B 1 (60)																					
B 1.5 (90)																					
	010.2	MATCH EX	YES	--	NO	---	N	MATCH EX	--- ---	NO	MATCH EX	-- --	WD	NONE	--	RETAIN EX	A	--	NONE	--	NORTH STAIR 010
	112.2/01	MATCH EX	YES	--	NO	---	N	MATCH EX	--- ---	NO	MATCH EX	-- --	WD	NONE	--	RETAIN EX	A	--	NONE	--	STAIR 112
	119.2/01	MATCH EX	YES	--	NO	--	N	MATCH EX --- ---	---	YES	MATCH EX	-- --	WD	NONE	--	--	--	--	MATCH EX FIRE RATING	--	CORRIDOR 119
	202.2/01	MATCH EX	YES	--	NO	--	N	MATCH EX	--- ---	NO	MATCH EX	--- --	WD	NONE	--	RETAIN EX	A	--	NONE	--	SOUTH STAIR
	205.2/01	MATCH EX	YES	--	NO	--	N	MATCH EX	--- ---	NO	MATCH EX	--- --	WD	NONE	--	RETAIN EX	A	--	NONE	--	NORTH STAIR 205
	305.2/01	MATCH EX	YES	--	NO	--	N	MATCH EX	--- ---	NO	MATCH EX	--- --	WD	NONE	--	RETAIN EX	A	--	NONE	--	NORTH STAIR 305
	306.2/01	MATCH EX	YES	--	NO	---	N	MATCH EX	--- ---	NO	MATCH EX	--- --	WD	NONE	--	RETAIN EX	A	--	NONE	--	SOUTH STAIR
SECURITY/ PERIMETER	009.2/01	MATCH EX	YES	--	NO	---	FGN	MATCH EX	--- ---	NO	MATCH EX	--- --	AL	TEMP CLR	--	AL CLEAR ANOD	.	--	NONE	--	009 WEST STOREFRONT
	009.2/02	MATCH EX	YES	--	NO	---	FGN	MATCH EX	--- ---	NO	MATCH EX	--- --	AL	TEMP CLR	--	AL CLEAR ANOD	.	--	NONE	--	009 SO. STOREFRONT
	121.2/01	MATCH EX	YES	--	NO	--	FGN	MATCH EX	--- ---	NO	MATCH EX	--- --	AL	TEMP CLR	--	AL CLEAR ANOD	.	--	NONE	--	MAIN ENTRY 121
	121.2/02	MATCH EX	YES	--	NO	---	FGN	MATCH EX	--- ---	NO	MATCH EX	--- --	AL	TEMP CLR	--	AL CLEAR ANOD		--	NONE	--	VEST 121
SECURITY/ INTERIOR																					
TOILETS	012.2/01	PASSAGE	YES	YES	NO	--	N	MATCH EX --- ---	---	NO	MATCH EX	-- --	WD	NONE	--	RETAIN EX	--	--	POS LATCH FOR RATING	--	FEMALE TLT 012
	014.2/01	PASSAGE	YES	YES	NO	---	N	MATCH EX --- ---	---	NO	MATCH EX	-- --	WD	NONE	--	RETAIN EX	--	--	POS LATCH FOR RATING	--	MALE TLT 014
	115.2/01	PASSAGE	YES	YES	NO	---	N	MATCH EX --- ---	---	NO	MATCH EX	-- --	WD	NONE	--	RETAIN EX	--	--	POS LATCH FOR RATING	--	M TLT 115
	118.2/01	PASSAGE	YES	YES	NO	---	N	MATCH EX --- ---	---	NO	MATCH EX	-- --	WD	NONE	--	RETAIN EX	--	--	POS LATCH FOR RATING	--	FEMALE TLT 118
	202.2/01	PASSAGE	YES	YES	NO	---	N	MATCH EX --- ---	---	NO	MATCH EX	-- --	WD	NONE	--	RETAIN EX	--	--	POS LATCH FOR RATING	--	FEMALE TLT 202
	203.2/01	PASSAGE	YES	YES	NO	--	N	MATCH EX --- --	---	NO	MATCH EX	-- --	WD	NONE	--	RETAIN EX	--	--	POS LATCH FOR RATING	--	MALE TLT 203
	302.2/01	PASSAGE	YES	YES	NO	---	N	MATCH EX --- ---	---	NO	MATCH EX	-- --	WD	NONE	--	RETAIN EX	--	--	POS LATCH FOR RATING	--	FEMALE TLT 302
	303.2/01	PASSAGE	YES	YES	NO	---	N	MATCH EX --- --	---	NO	MATCH EX	-- --	WD	NONE	--	RETAIN EX	--	--	POS LATCH FOR RATING	--	MALE TLT 303
INTERIOR																					

RSN: *1186837*
Permit #: *17-1253295-LT*

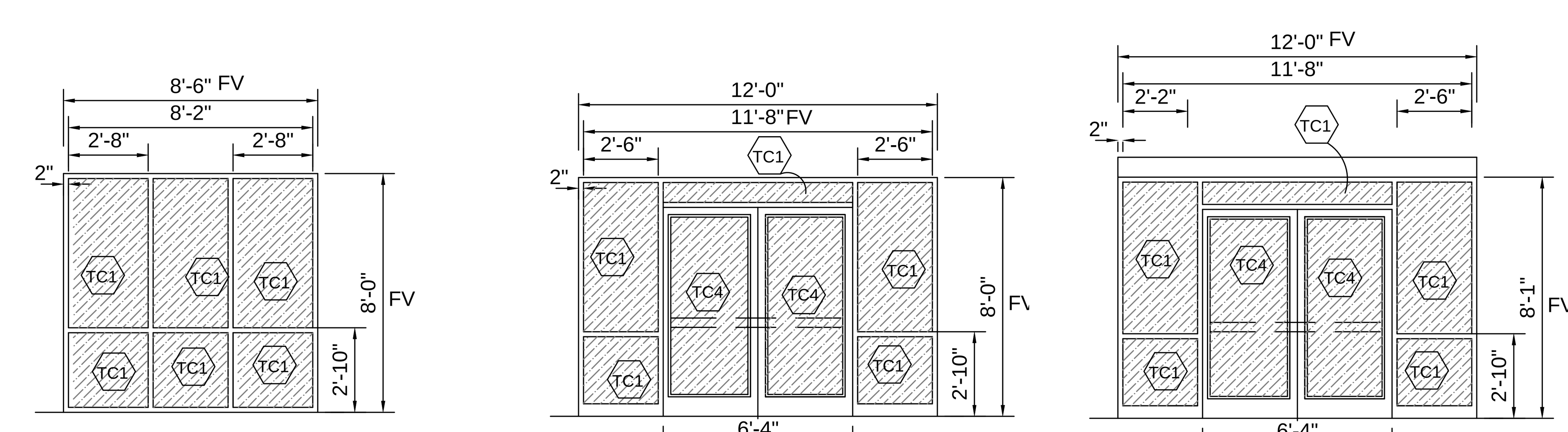
This sheet of drawings has not been reviewed for code compliance.

FIRE ASSEMBLY NOTES:

1. PROVIDE A FIRE RATED GLASS SYSTEM EQUAL TO "TGP-FIRELITE" - RATING TO EQUAL OR EXCEED WALL RATING INDICATED ON THE PLAN AT THE WINDOW LOCATION.--TGP PHONE-800-426-0279--www.fireglass.com

FRAME RATING	
B-1	B LABEL 1 HOUR
B-1.5	B LABEL 1.5 HOUR
C 45	C LABEL 45 MIN.
20	20 MIN. LABEL

GLAZING LEGEND	
TC1	TEMPERED 1" INSULATED
C1	1" INSULATED - CLEAR
TC4	TEMPERED CLEAR 1/4"
C4	CLEAR GLASS 1/4"



V1 V2 V3

WINDOW TYPES

ALUMINUM STOREFRONT SYSTEM

1

INTERIOR DWG. SET
A RENOVATION FOR

MEDICAL CENTER ~~I &~~ II

FOR HCP

1411 ~~& 1421~~ S POTOMAC ST
AURORA, CO
80012

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CASSETTY ARCHITECTURE
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ORIG. ISSUE DATE:
11-11-2016

1 1-19-17 OWNER CHG.

PROJECT NUMBER
0 4 1 6

DOOR AND WINDOW SCHEDULE

A7.3

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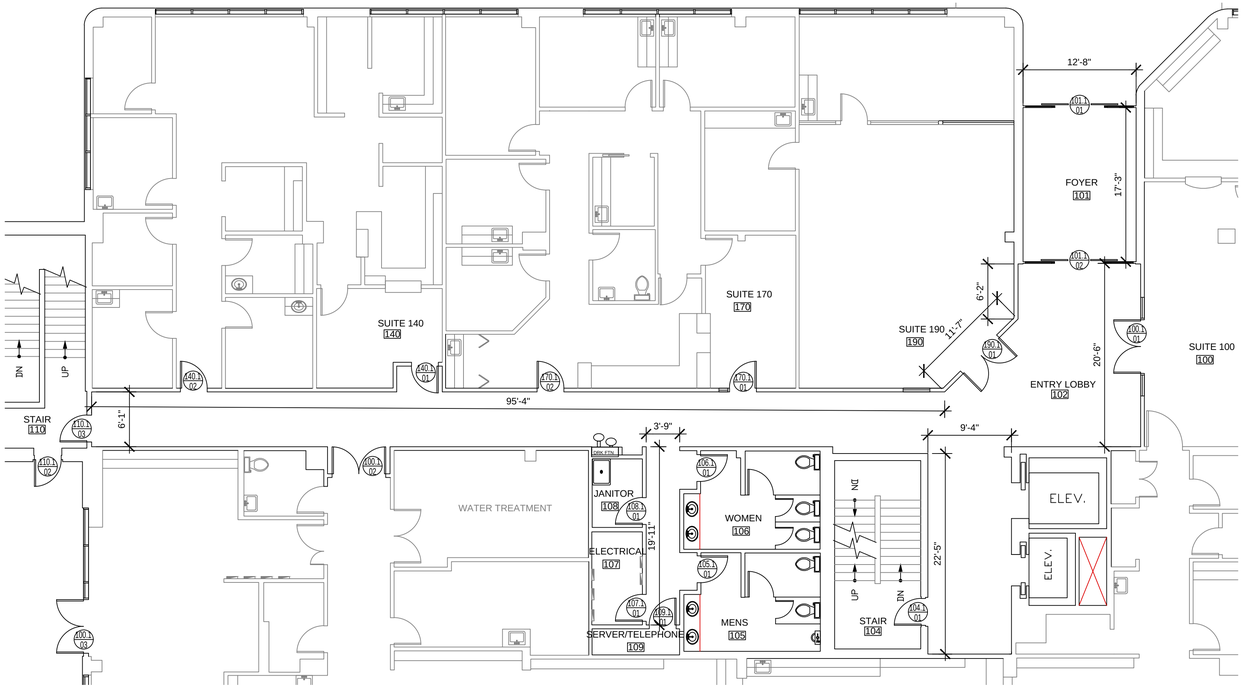
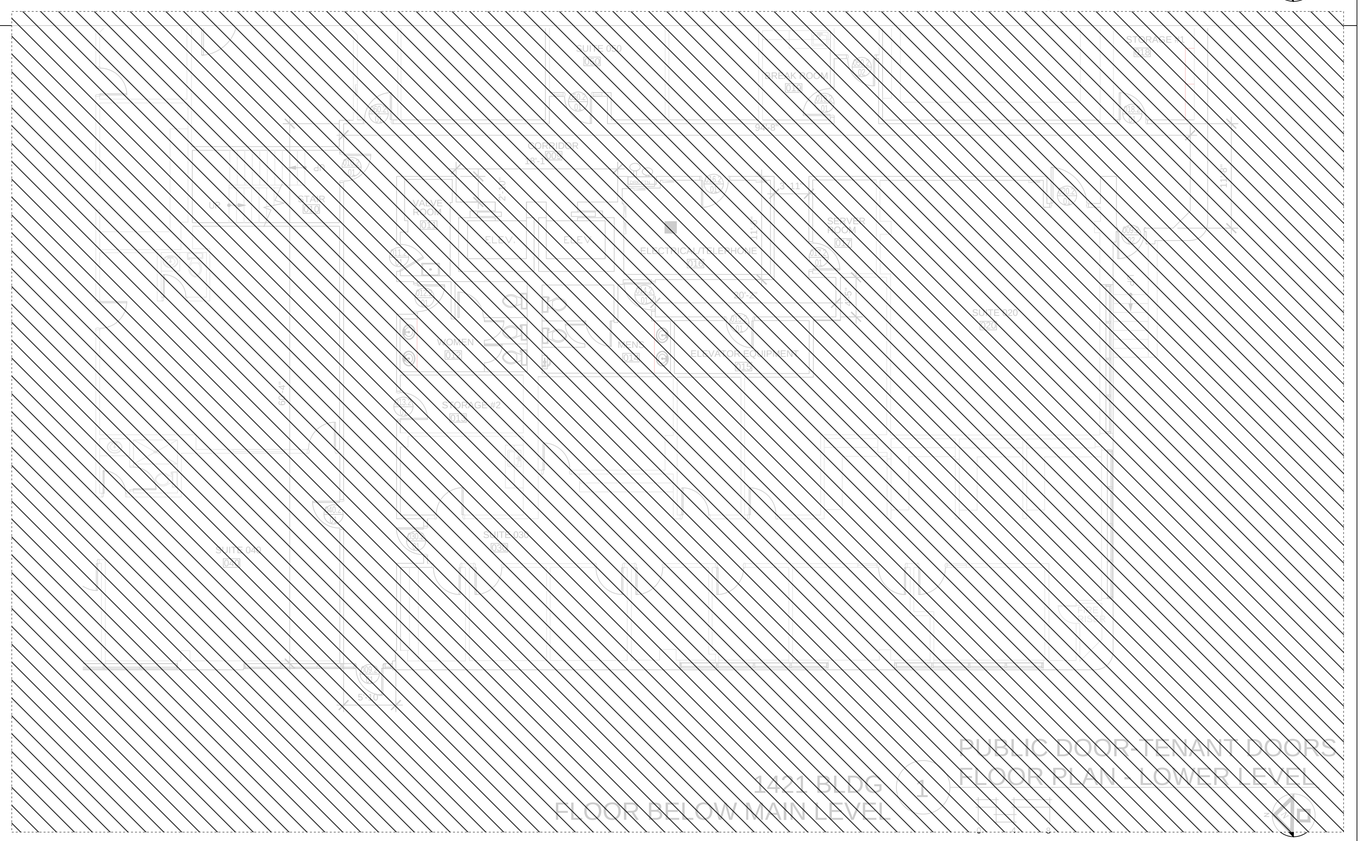
RSN: *1186837*
Permit #: *17-1253295-LT*

City of Aurora Building Division
Reviewed for Code Compliance
Approved as Noted: *John Lichtner*
Date: *Feb 24, 2017*
2015 INTERNATIONAL CODES & 2014 NEC



1411 BLDG 2 PUBLIC DOOR-TENANT DOORS FLOOR PLAN - FIRST FLOOR



1421 BLDG 1 PUBLIC DOOR-TENANT DOORS FLOOR PLAN - LOWER LEVEL
FLOOR BELOW MAIN LEVEL

INTERIOR DWG. SET
A RENOVATION FOR

MEDICAL CENTER II

FOR HCP

1411 S POTOMAC ST
AURORA, CO
80012

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PROJECT NUMBER
0416

DOOR PLAN
A7.4-1

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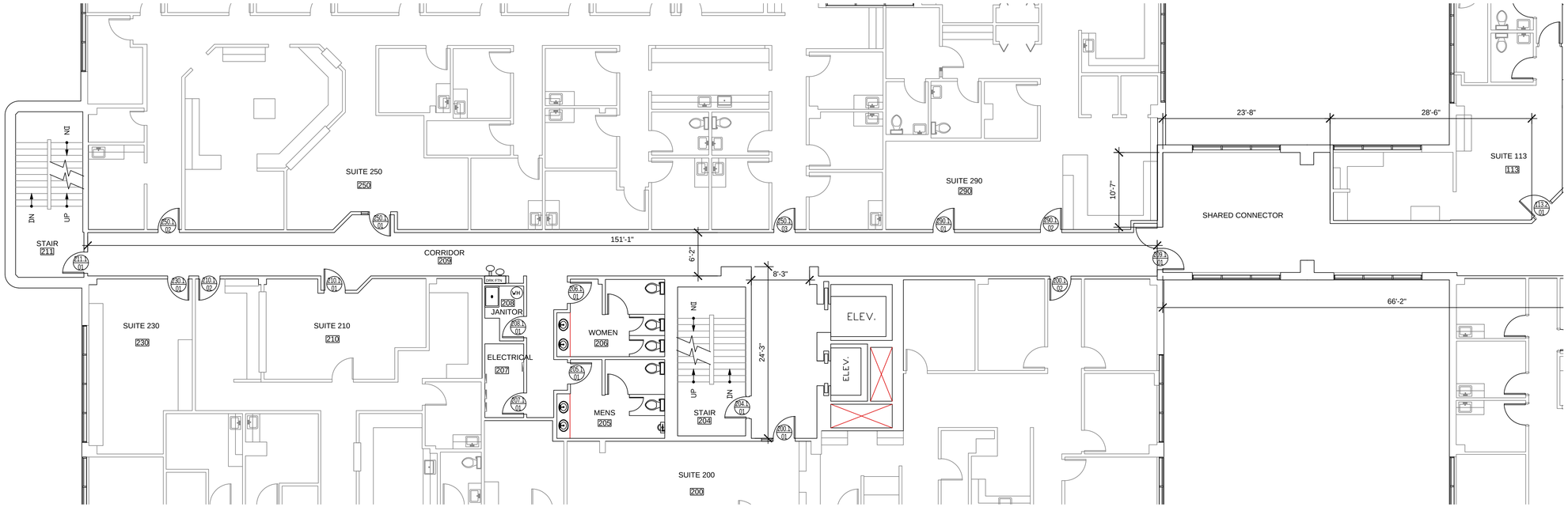

1411 BLDG 2 PUBLIC DOOR-TENANT DOORS FLOOR PLAN - SECOND FLOOR

0 4 8

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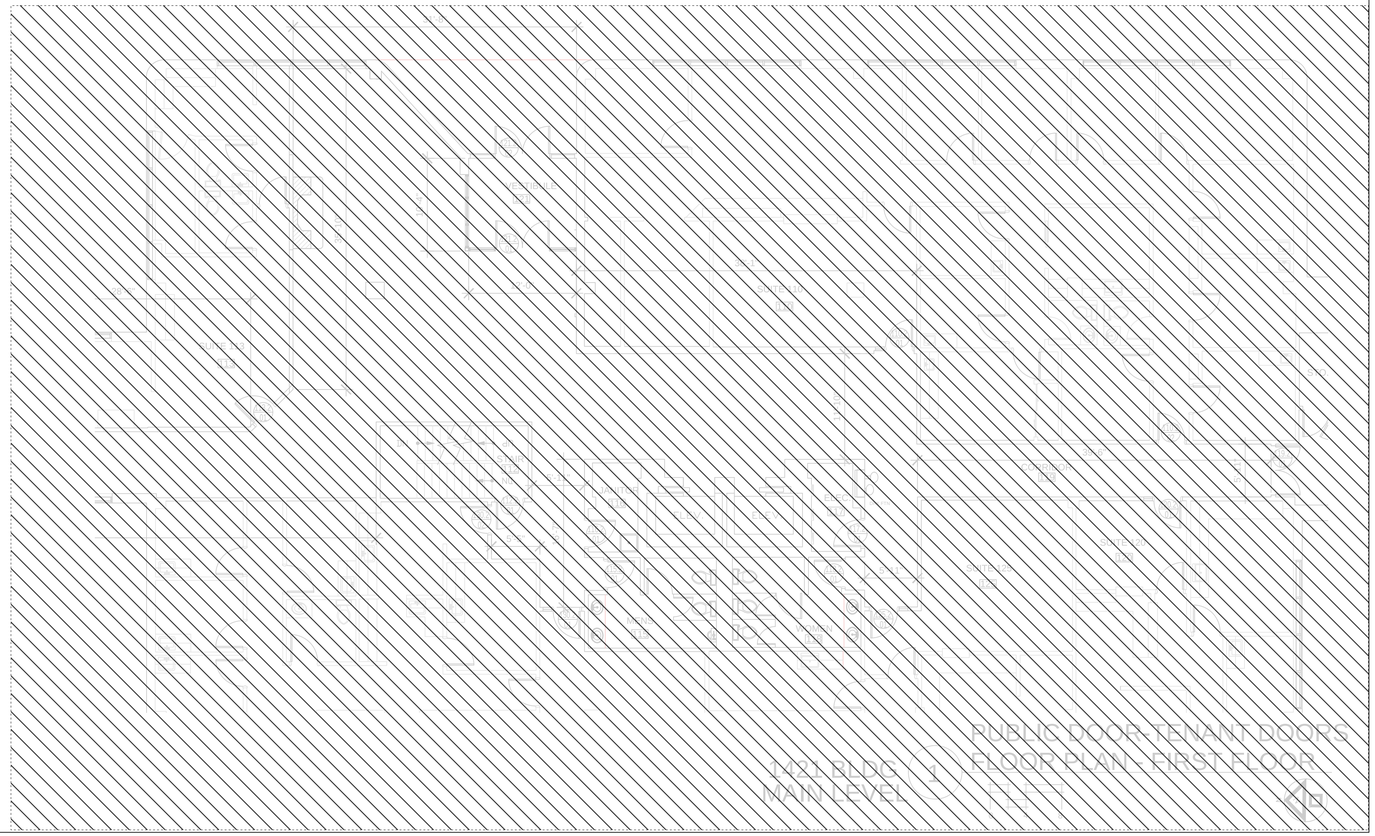
2015 INTERNATIONAL CODES & 2014 NEC



1411 BLDG 1 PUBLIC DOOR-TENANT DOORS FLOOR PLAN - FIRST FLOOR
MAIN LEVEL

INTERIOR DWG. SET
A RENOVATION FOR

MEDICAL CENTER II

FOR HCP

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DOOR PLAN

A7.4-2

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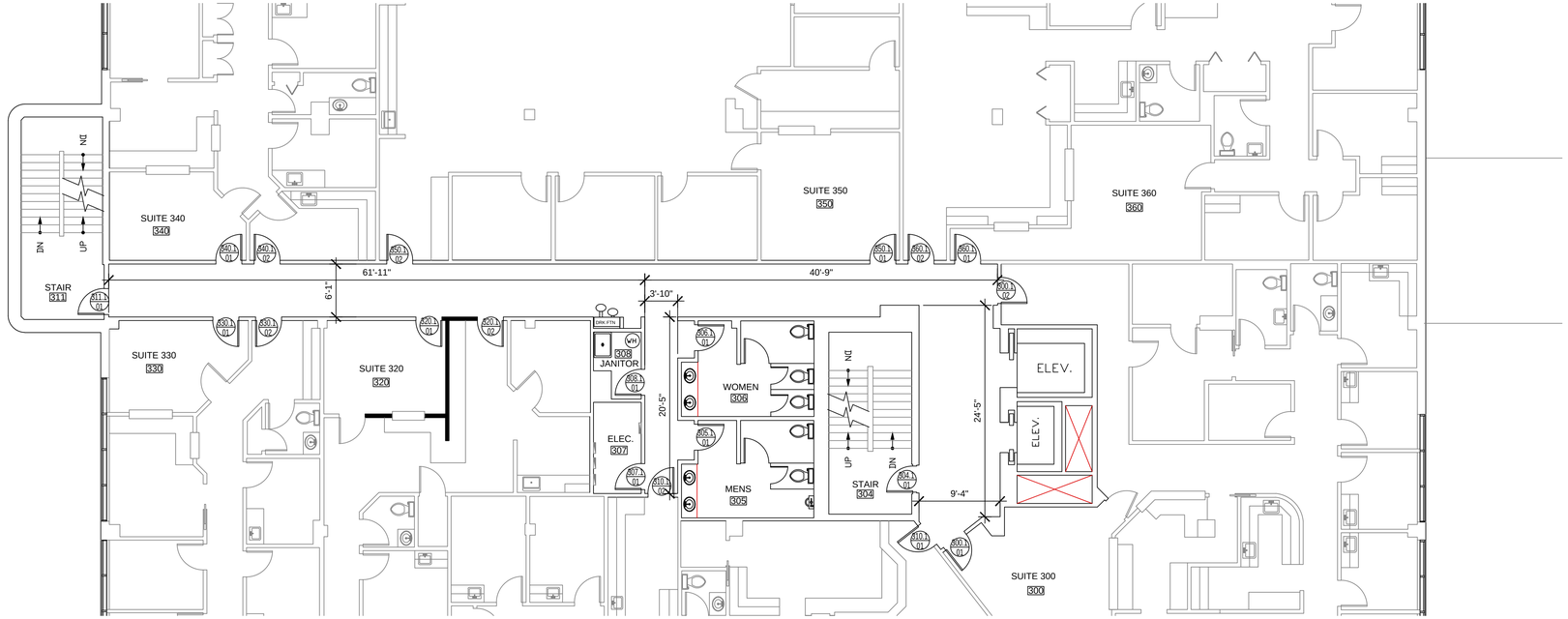
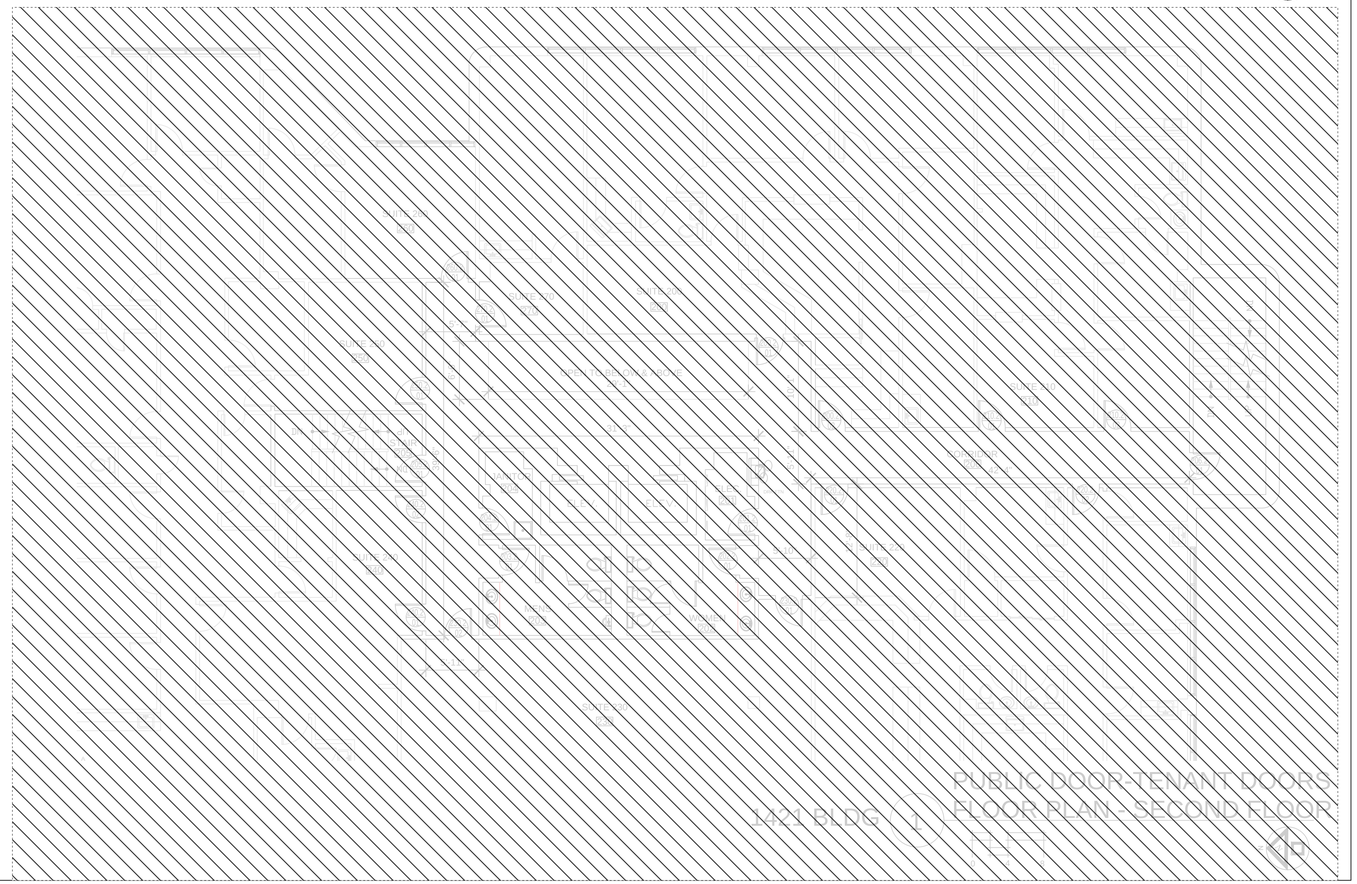


1411 BLDG 2 PUBLIC DOOR-TENANT DOORS FLOOR PLAN - THIRD FLOOR



INTERIOR DWG. SET
A RENOVATION FOR

MEDICAL CENTER II

FOR HCP

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DOOR PLAN
A7.4-3

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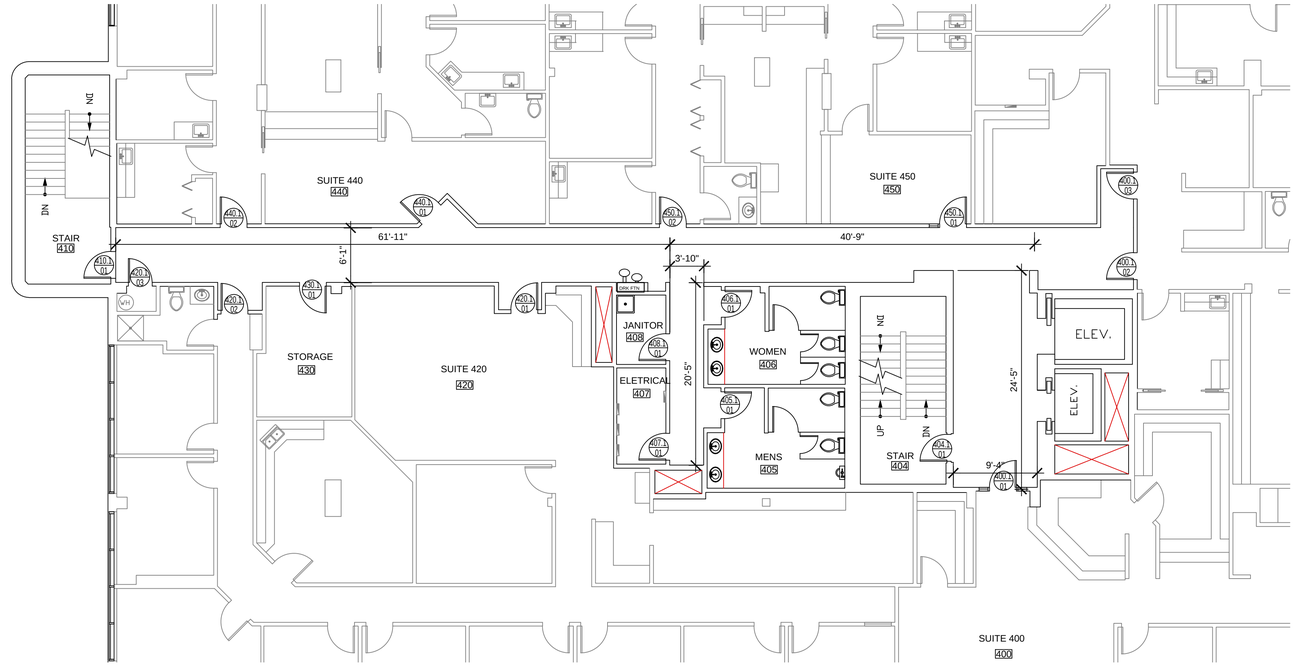
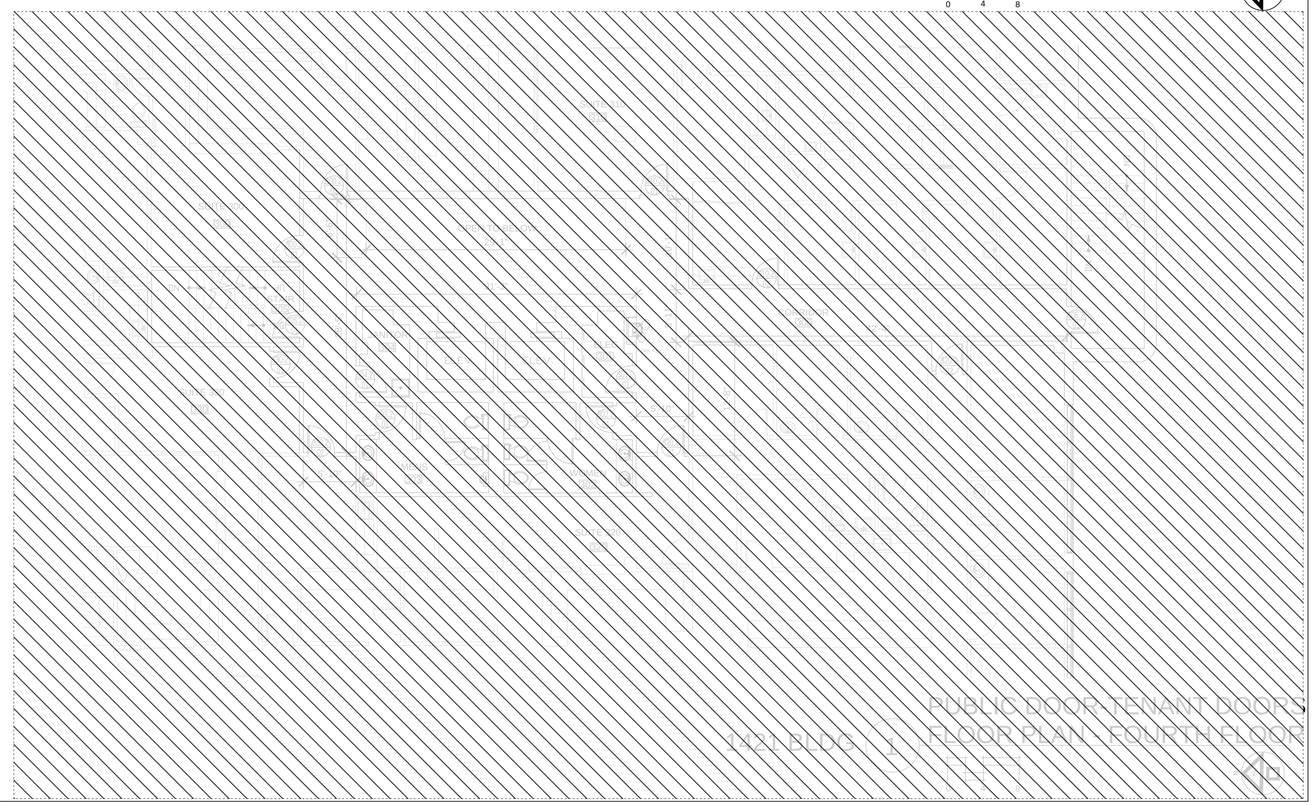
2015 INTERNATIONAL CODES & 2014 NEC



1411 BLDG 1

PUBLIC DOOR-TENANT DOORS
FLOOR PLAN - FOURTH FLOOR

0 4 8



INTERIOR DWG. SET
A RENOVATION FOR

MEDICAL CENTER II

FOR HCP

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0 4 1 6

NOTED
PLAN

A7.4-4

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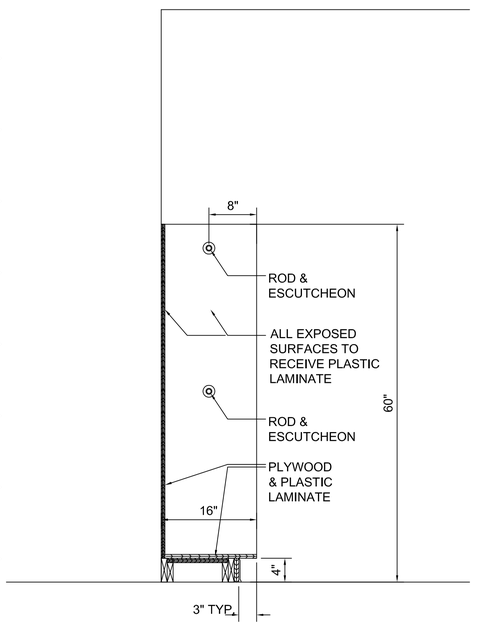
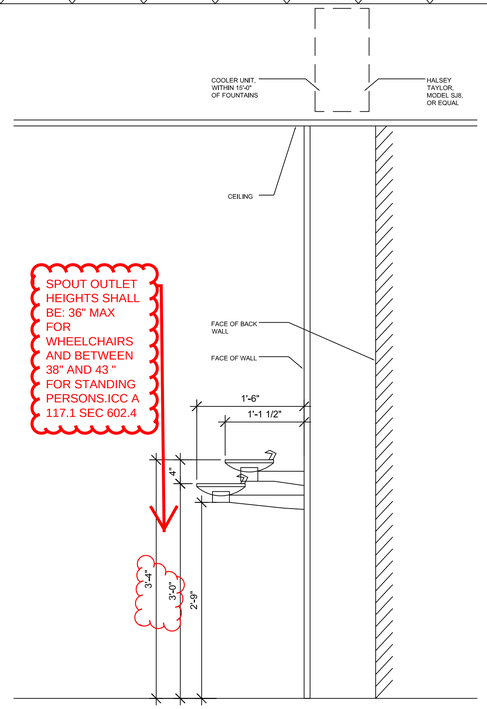


5 SECTION AT SPECIMEN BOX

1"=1'
0 1 2 3 FEET

2

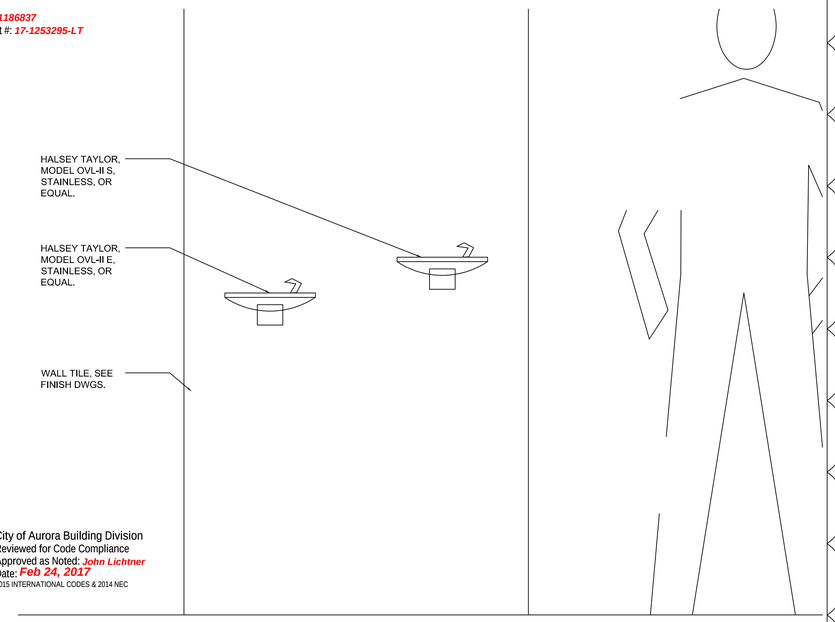


3 SECTION AT WATER COOLER

1"=1'
0 1 2 3 FEET

1

RSN: *1186837*
Permit #: *17-1253295-LT*



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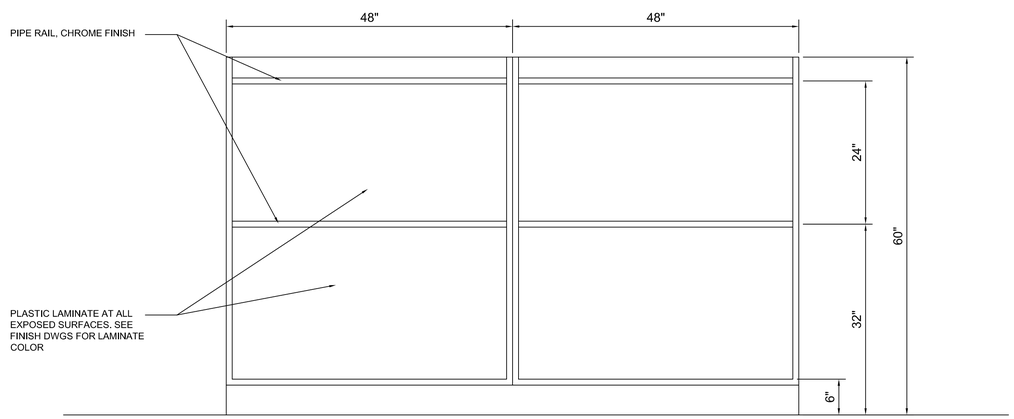
Approved as Noted: *John Lichtner*
Date: *Feb 24, 2017*
2015 INTERNATIONAL CODES & 2014 NEC

2 ELEVATION AT WATER COOLER

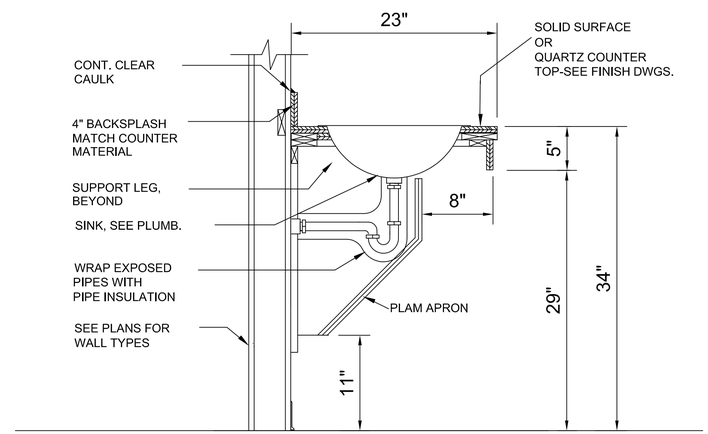
1 1/2"=1'-0"
0 4 8 12 INCHES

1



4 ELEVATION AT SPECIMEN BOX

1"=1'
0 1 2 3 FEET



1 SECTION AT LAVATORY

1 1/2"=1'-0"
0 4 8 12 INCHES

INTERIOR DWG. SET
A RENOVATION FOR

MEDICAL CENTER II

FOR HCP

1411 S POTOMAC ST
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1 1-19-17 OWNER CHG.
2 2-14-17 OWNER CHG.

PROJECT NUMBER
0 4 1 6

CASEWORK SECTIONS

A9.0

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RSN: 1186837
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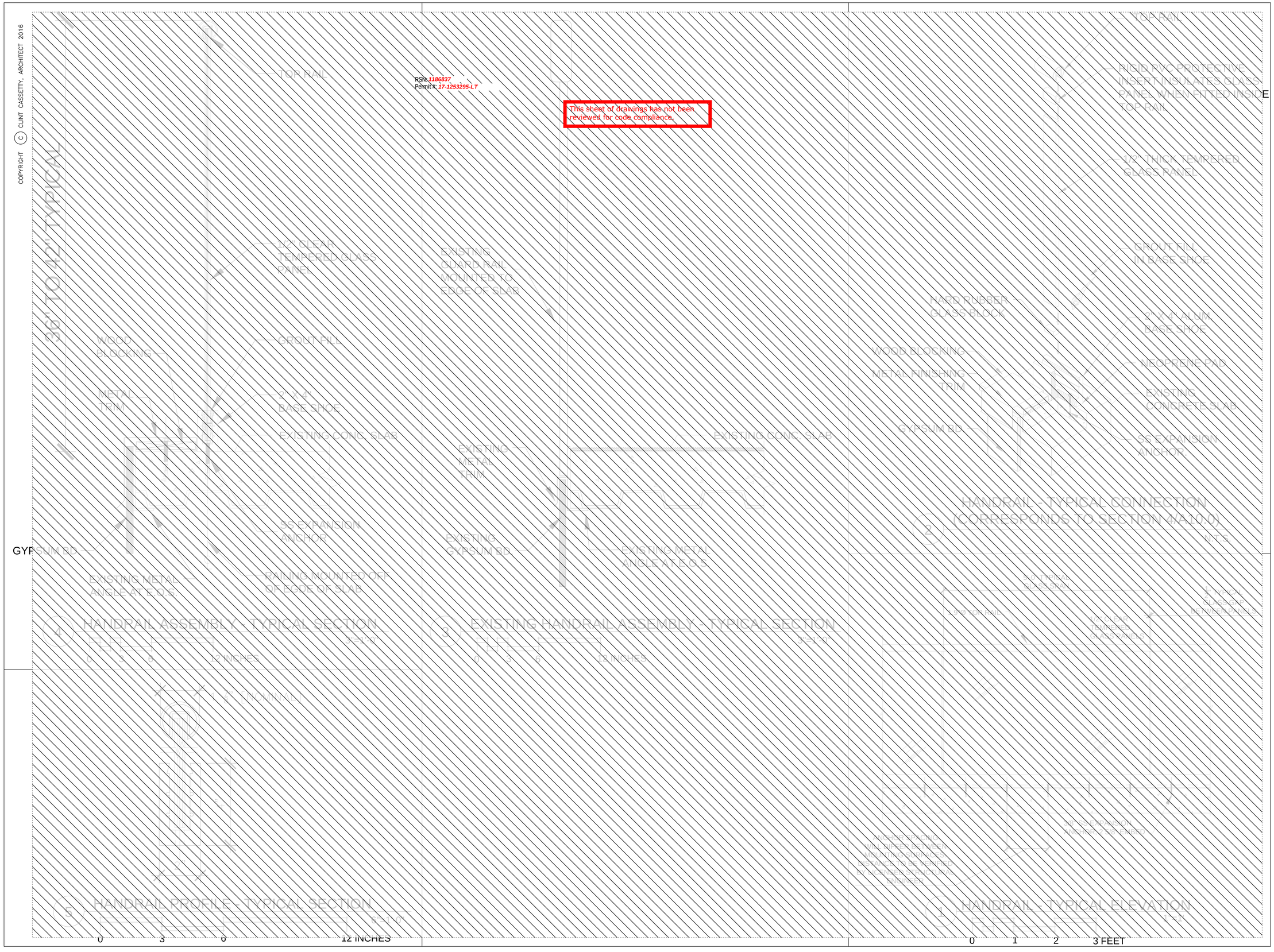
This sheet of drawings has not been reviewed for code compliance.



INTERIOR DWG. SET
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PROJECT NUMBER
0416

DETAILS
A10.0

FINISH MATERIAL SELECTIONS, GENERAL & FINISH NOTES

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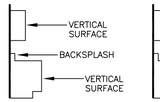
LEGEND

CEILING FINISH → ACT1
WALL FINISH → WC1
BASE → RB1
FLOORING → C1

P1/P2 — DENOTES WALL FINISH ABOVE RAIL
DENOTES WALL FINISH BELOW RAIL

PL2
PL1 — DENOTES COLOR OF COUNTERTOP AND BACKSPLASH

DENOTES COLOR OF ALL VERTICAL SURFACES



CEILING

Code	Item	Location	Manufacturer	Description
ACT1	Acoustical Ceiling Tiles	General	Armstrong	Dune Tegular 1852 24 x 24 9/16" Beveled Tegular Super Fine Grid factory painted White, *existing grid is 15/16" and can not be re-used with this selected tile.
ACT2	Acoustical Ceiling Tiles	Toilets	Armstrong	Ultima, 1943 24" x 48" x 1" Square Lay-in Tile, with Prelude 15/16" Grid. Factory painted white
GYP	Gypsum Board Ceiling	Ceiling		
EXP	Exposed Ceiling			

WALL FINISHES

Code	Item	Location	Manufacturer	Description
P1	Wall Paint	General Walls	Sherwin Williams	SW7547 Sandbar Latex Eggshell
P2	Accent Paint	Soffits	Sherwin Williams	SW7058 Magnetic Gray Latex Eggshell
P3	Ceiling Paint	Ceilings	Sherwin Williams	Ceiling White Latex Eggshell
P4	Paint	Metal door view, Metal Doors, & Door Frames	Benjamin Moore	BM2112-10 Mink Semi Gloss Alkyd Enamel Texture: Smooth
P5	Paint	Wood door window jiles/view	Benjamin Moore	BM2112-10 Mink Semi Gloss Alkyd Enamel
EP1	Epoxy Paint	Restroom Walls	Sherwin Williams	SW7547 Sandbar Low Gloss Water Base Epoxy
PWT1	Porcelain Wall Tile	Public Toilets & behind Drinking Fountain	Specialty Tile	Go Geo, Silica Size: 12"x24" honed, 1/3 offset Grout: Laticrete Spectralock 2000 IG color: 17 Marble Beige Grout Joint: 3/16"
ST1	Stack Stone	Lobby	Realstone	Latte Ledgestone Size: 6" x 24"

BASE

Code	Item	Location	Manufacturer	Description
RB1	Rubber Base	Walls	Johnsonite	Millwork, MW-47-F6, 6" high Style: Reveal Color: Brown Millwork QTR-47-A .5" high Miter cut all joints. Quarter round is to when placed on top of luxury vinyl tile. Adhesive: Johnsonite 960 Wall Base
TB1	Terrazzo Base	Walls	Terrazzo & Marble	Terroxy TM #11-1977 Flash cove 6" high. Finish: 440 Grit, 4 passes Terroxy Resin System Water Base Urethane Sealer
TB2	Terrazzo Base	Restroom Walls	Terrazzo & Marble	Terroxy TM #14-3271 Flash cove 6" high. Finish: 440 Grit, 4 passes Terroxy Resin System Water Base Urethane Sealer

FLOORING

Code	Item	Location	Manufacturer	Description	Key
WOC	Carpet	Floors	Shaw	Welcome II Tile 51031 Color: Black Chocolate 31751 Backing: EcoWorx Tile Installation: Quarter Turn Tile Size: 24"x24" Adhesive: Shaw 5900	WOC
C1	Carpet	Floors	Mannington	Linen Weave Color: Sable 42554 Backing: 100% Synthetic Installation: Monolithic Tile Size: 24"x24" Adhesive: Mannington Infinity Pressure Sensitive Adhesive	C1
LVT1	Luxury Vinyl Tile	Floors	Mannington	Nature's Path, Madison Maple, Pepper Bark 12237 Size: 6"x36" micro bevel Adhesive: Mannington V-88	LVT1
TF1	Terrazzo Flooring	Floors	Terrazzo & Marble	Terroxy TM #11-1977 Thinset 3/8" Divider Strip: L-type, zinc 16 gauge Finish: 440 Grit, 4 passes Terroxy Resin System Water Base Urethane Sealer	TF1
TF2	Terrazzo Flooring	Floors	Terrazzo & Marble	Terroxy TM #14-3271 Thinset 3/8" Divider Strip: L-type, zinc 16 gauge Finish: 440 Grit, 4 passes Terroxy Resin System Water Base Urethane Sealer	
RF1	Rubber Floor	Stairwell Treads & Risers	Johnsonite	Stair landing to be: RT-47-RD, Color: Brown Stair tread & riser: RTR-47-RD, Color: 47 Brown Grit Tape Color: Tan Adhesive: Johnsonite 975 Two-part urethane	RF1
SC	Sealed Concrete	Floors		See Architectural specifications	SC

CASEWORK

Code	Item	Location	Manufacturer	Description
PL1	Plastic Laminate	Vertical Surfaces/ Interior Door stain	Wilsonart	Mangalore Mango 7984-78
QZ1	Quartz Surface	Toilet Counter-tops & at Firepace	Coesarstone	5104 Tuscan Dawn Slab Thickness: 1.25" Edge profile: Standard Pencil Edge with 1/4" radius

MISC.

Code	Item	Location	Manuf	Description
MR1	Dec. Mirror	Public Toilets	IB Mirror	Backlit LED Mirror 55" x 28"
TP1	Toilet Partition	Public Toilets	Wilsonart	Satin Stainless 4830K-18
	Film	Secondary Doors	Solyx	Decorative Film, SXGF Clear Frosted, 54" wide See Door Schedule

MATERIAL CONTACTS

Please contact the following Representatives pricing.

MANUFACTURER	TYPE OF FINISH	NAME & PHONE NUMBER
Armstrong Ceilings	Ceilings	Bill Cook 877-276-7876 opt.8 Ext. 8080 wgcook@armstrong.com
IB Mirror	Dec. Mirror	www.ibmirror.com
Caesarstone	Quartz	Lindsey Clark 877-662-7001 lindsey.clark@caesarstoneus.com
Specialty Tile	Porcelain Tile	Whitney Bell 770-246-9224 wbell@specialtytile.com
Johnsonite	Flooring/Rubber Base	Erin Salin (704) 763-4251 erin.salin@johnsonite.com
Mannington	Flooring	Terri Bailey (615)427-8980 terri_bailey @mannington.com
Shaw	Carpet	Chuck Steen (615) 351-4015 chuck.steen@shawinc.com
Sherwin Williams	Paint	Dwight Leclair (678)261-6865 dcleclair@sherwin.com
Benjamin Moore	Paint	Dorothy Hazinski 330-353-3850 Dorothy.Hazinski@Benjaminmoore.com
Terrazzo & Marble	Terrazzo	Brad Hedges 678-360-9796 bradhedges@me.com
Realstone	Stack Stone	Erica Dickson 615-248-8453 edickson@louisville_tile.com
Wilsonart	Laminate	Julie Bruehl 615-292-2188 bruehlj@wilsonart.com
Lamps Plus	Lighting	Jennifer Ly 800-204-8120 x4375 www.lampsplus.com

GENERAL NOTES

1. All work shall be guaranteed against defect for one year.
2. All contractors shall visit jobsite and become familiar with existing conditions before submitting bids and/or proceeding with any work. Submission of bid indicates that the contractor has verified existing conditions.
3. The drawings attached have been developed from record drawings which may not reflect actual field conditions. In no case shall dimensions be scaled from drawings. The contractor shall verify all conditions and architect/designer shall be notified of any descepancies or conflicts with dimensions in the field before proceeding with subsequent work. Review drawings for clarification prior to proceeding with work.
4. Thoroughly clean all light lens and ceiling air diffusers after construction work is complete.
5. All parties responsible for delivering finishes to the site should check quantities and delivery dates as soon as bid is awarded to avoid any reselection of material.
6. The general contractor shall carefully study and compare the documents and finish plans and shall at once report to the architect any error, inconsistency or omission he may discover.
7. All furnishings, are to be owner furnished, owner installed except where noted on furniture plan.
8. For all products installed, note industry standards and manufacturer specifications for installation.
9. All interior finishes meet Class A firespread rating of 25 or less, and shall have a smoke development of 250 or less.
10. Final cleanup: The contractor shall coordinate with the project schedule to make certain that all housekeeping cleanup items are done prior to the move-in. This would include wiping down, cleaning glass, washing, waxing, vacuuming, or any other services which would be performed under the contractor's maintenance cleaning programs. Upon completion of work, all waste material, rubbish, tools, construction equipment machinery, and other surplus materials shall be removed from the site.
11. NO SUBSTITUTIONS OF SPECIFIED FINISHES WILL BE ALLOWED WITHOUT PRIOR APPROVAL FROM THE INTERIOR DESIGNER.
12. All interior flooring meets class I and II flame spread ratings.

A: GENERAL FINISH NOTES

1. Refer to attached drawings, for further clarification of work to be performed and/or for floor plan layout of facility.
2. Contractor is to provide "surplus" stock as noted below. Surplus stock shall be provided on each different product manufacturer, style, color and finish specified: Refer to Specifications Section (if applicable) for additional information. Final payment shall not be made until stock is delivered.

   Ceiling Tile: Provide 5% or a minimum of 10 tiles
   Paint: Provide 5% average or minimum of 1 (one) gallon per color and type. Each container of paint MUST have the color "formula" clearly indicated on it.
   Rubber Base: Provide 5% average or 9 linear yards.
   Porcelain Wall Tile: Provide 5% average.
   Carpet: Provide 5% average or 9 square yards.
   Luxury Vinyl Tile: Provide 5% average or a minimum of 10 tiles.
   Stack Stone: Provide 5% average

3. Contractor shall provide submittals to the Interior Designer for approval prior to fabricating or purchasing materials. All submittals shall be clearly marked with manufacturer, style, color and Finish Material Legend code All paint submittals MUST indicate paint color formula as well as store location where paint is to be purchased.
4. Wood doors are to be stained to match PL1.
5. Casework without QZ1 / PL1 symbol, laminate selection will be made with shop drawings.
6. Toilet partition is to be TP1.
7. Wood grain laminates are to have the grain running in a vertical direction, unless otherwise noted in architectural casework drawings.

B: CEILING

1. When installing lay-in ceilings, layout grid in room so cut tiles at perimeter are no less than 9" wide.
2. GYP ceilings are to be painted with P3, unless otherwise noted on Finish Plans.
3. For renovation work, replace all damaged ceiling tiles as necessary. Utilize existing tiles from one enclosed room for replacement tiles. Provide all new tiles in above mentioned enclosed room. All new tiles to match existing. Adjust tiles to lay flat in grid.
4. Edges of cut ceiling tiles to be painted with Armstrong's 5761. Touch up paint.

C: PAINTING

1. Prior to the application of paint, the Contractor shall repair new or existing surfaces by patching, smoothing and sanding as needed to achieve a surface acceptable for the application of new finish. Prepare door frames or metal surfaces by sanding chips/burrs, filling dents and caulking cracks at corners as required.
2. Miscellaneous metal (return and air supply grilles, expansion joints, etc.) located on wall surfaces is to be painted to match adjacent wall color.
3. Contractor to submit two paint samples of each paint color in the appropriate finish to the designer for approval prior to purchasing paint. Samples are to be painted on 8 1/2" x 11" poster board. Each sample shall have the color "formula" clearly indicated on it as well as the store location where the paint is to be purchased.
4. When specified in the Finish Plan, provide paint finishes as noted for the surfaces listed below. Refer to written Architectural Paint Specifications section for further information regarding products, primers, ect. If surface exist on the job that are not listed, contact the Interior Designer listed in the Project Directory.

   **Do not paint factory prefinished frames

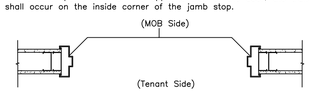
5. Caulk all plumbing fixtures, millwork and trim to adjacent surfaces. Color of caulk to match adjacent finish.

GYPSUM BOARD WALLS AND SOFFITS:	
Toilets. See Finish Sheets	Low Gloss Water Base Epoxy
Other Areas	Latex Eggshell

GYPSUM BOARD CEILINGS:	
N/A	Low Gloss Water Base Epoxy
Other Areas	Latex Eggshell

Door Frames, Metal Doors, View Window Sills, Frames, Shelving, Previously Painted Wood Trim, Previously Painted Metal:	Semi-Gloss Alkyd Enamel

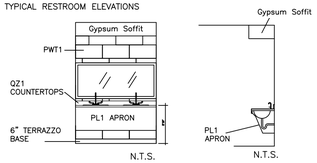
6. All prefinished store front windows shall not be painted.
7. Soffits indicated to be painted with accent paint are to be painted on all three sides. The bottom is not to be painted with ceiling white.
8. In the case where a door frame receives a paint color on one side and another paint color on the opposite side of the door, the transition shall occur on the inside corner of the jamb stop.

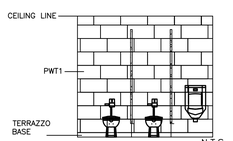


D: PORCELAIN TILE

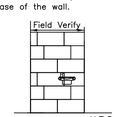
1. All porcelain tile shall have Latricrete, Spectralock grout. Refer to Finish Material Legend for color selection.
2. All transitions between porcelain wall tile and paint shall be made with a bullnose trim element that matches tile used, along with a bead of wall color matching caulk.
3. All walls in Public Toilets shall have PWT1 wall tile from terrazzo base to ceiling. Wall tile to be installed to sit directly on top of terrazzo base.

TYPICAL RESTROOM ELEVATIONS



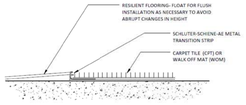


4. Below is an elevation of the Water Fountains wall. Porcelain wall tile (PWT1) is to be installed from floor to ceiling. Cut tiles should occur at the ceiling line and NOT at the base of the wall.



E: FLOORING

1. Rubber millworks base is to be 6" high.
2. All reducer strips and other thresholds to be located at centerline of door when in closed position.
3. New transition strips to be provided within project area as noted below. Refer to Material Finish Legend for manufacturer and color to be utilized on this project.
   a. "Wood" vinyl flooring to carpet: Schluter Systems, Schiene, clear aluminum edge.



   b. Terrazzo to Carpet: use Schluter systems Reno-TK Clear Aluminum edge.
4. Where new floorcovering and/or base is specified, the same floorcovering and/or base shall extend into any closets, storage areas, etc. adjacent to that space unless otherwise noted.
5. Existing flooring to be removed by the Contractor prior to applying specified floor product.
6. Epoxy adhesive to be installed under LVT in the elevator cabs.

F: ELEVATORS

Manufacturer: Snapcab- Cabs and Stainless Steel doors provided by other.

Floors are to be LVT1 (use Mannington epoxy adhesive)

All walls are to be PL1- provided by other

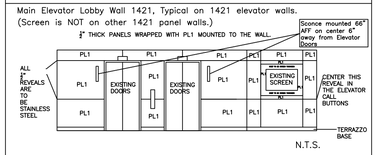
2" flat handrail on 3 walls- provided by other

Ceiling is to be stainless Island Ceiling with LED lights. - provided by other

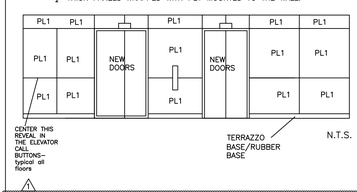
Building 1411 - to have stainless steel door & hallway finish- provided by other.
See architectural specifications for additional information.

G: ELEVATIONS

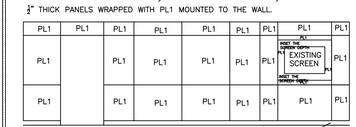
Main Elevator Lobby Wall 1421, Typical on 1421 elevator walls.
(Screen is NOT on other 1421 panel walls.)



Main Elevator Lobby Wall 1411, Typical on 1411 elevator walls
¾" THICK PANELS WRAPPED WITH PL1 MOUNTED TO THE WALL.

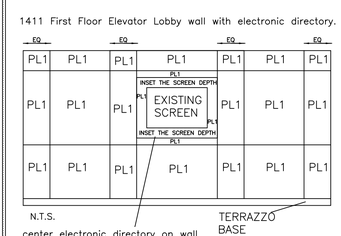


1411 Second Floor Elevator Lobby wall with electronic directory.
¾" THICK PANELS WRAPPED WITH PL1 MOUNTED TO THE WALL.



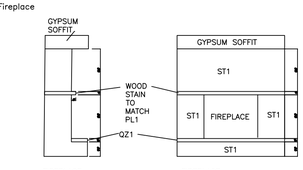
Off set screen on Elevator Lobby wall to account for bench being located in the center of the wall.

1411 First Floor Elevator Lobby wall with electronic directory.



G: ELEVATIONS CONT.

Fireplace



H: ADD ALTERNATES

Contractor to give pricing for the following

In building 1411 terrazzo to continue past Restrooms

In building 1411 terrazzo to continue on entire floor corridor space

In building 1421 terrazzo to continue on entire floor corridor space

New finishes to continue in to area by hospital

RSN: *1186837*
Permit #: *17-1253295-LT*

City of Aurora Building Division
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Date: *Feb 24, 2017*
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615 321 0696

INTERIOR DWG. SET
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MEDICAL CENTER II

FOR HCP

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ARCHITECTURE

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FINISH SPECIFICATIONS

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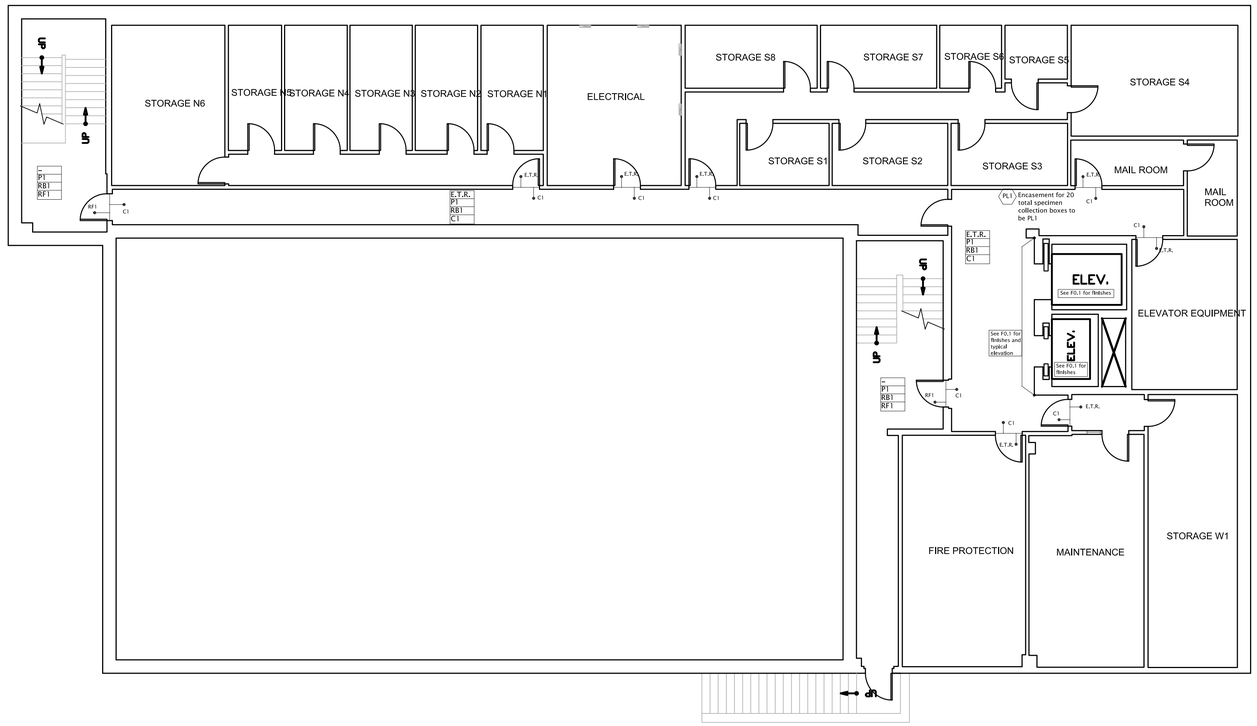

1411 Lower Level Finish Plan
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1411 LOWER LEVEL FINISH PLAN

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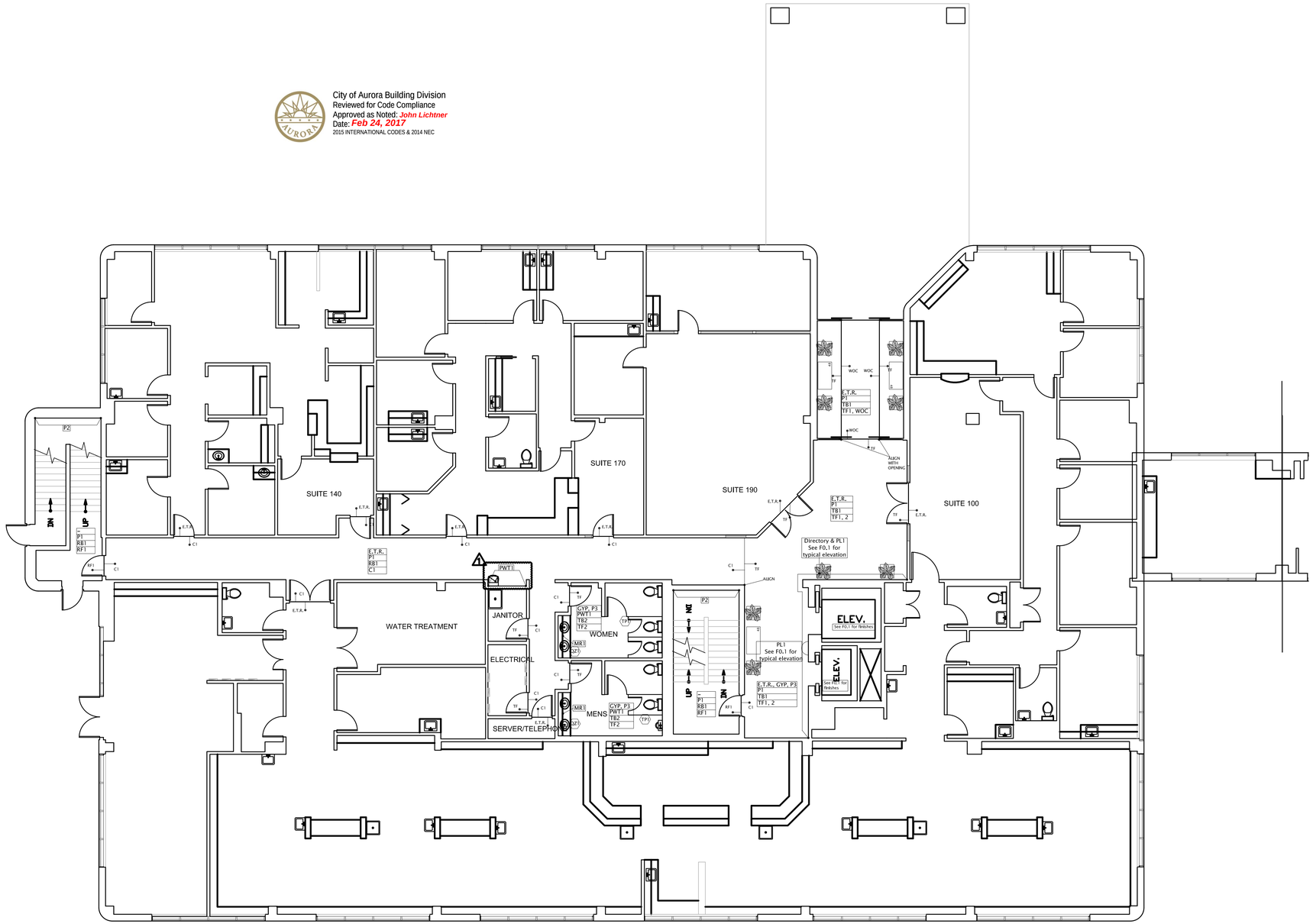

1411 First Floor Finish & Furniture Plan
Scale: 1/8" = 1'-0"

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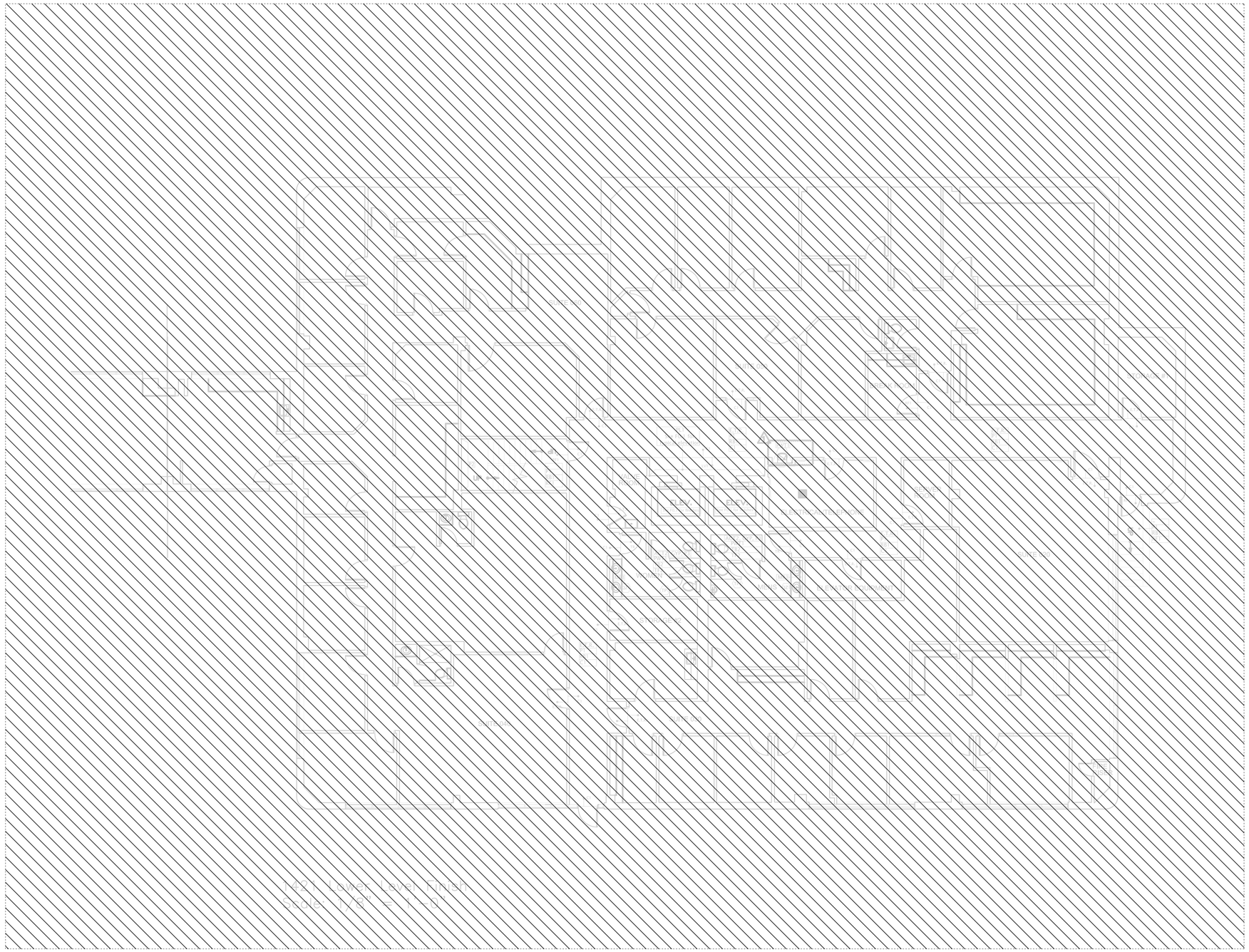

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1421 LOWER LEVEL FLOOR FINISH

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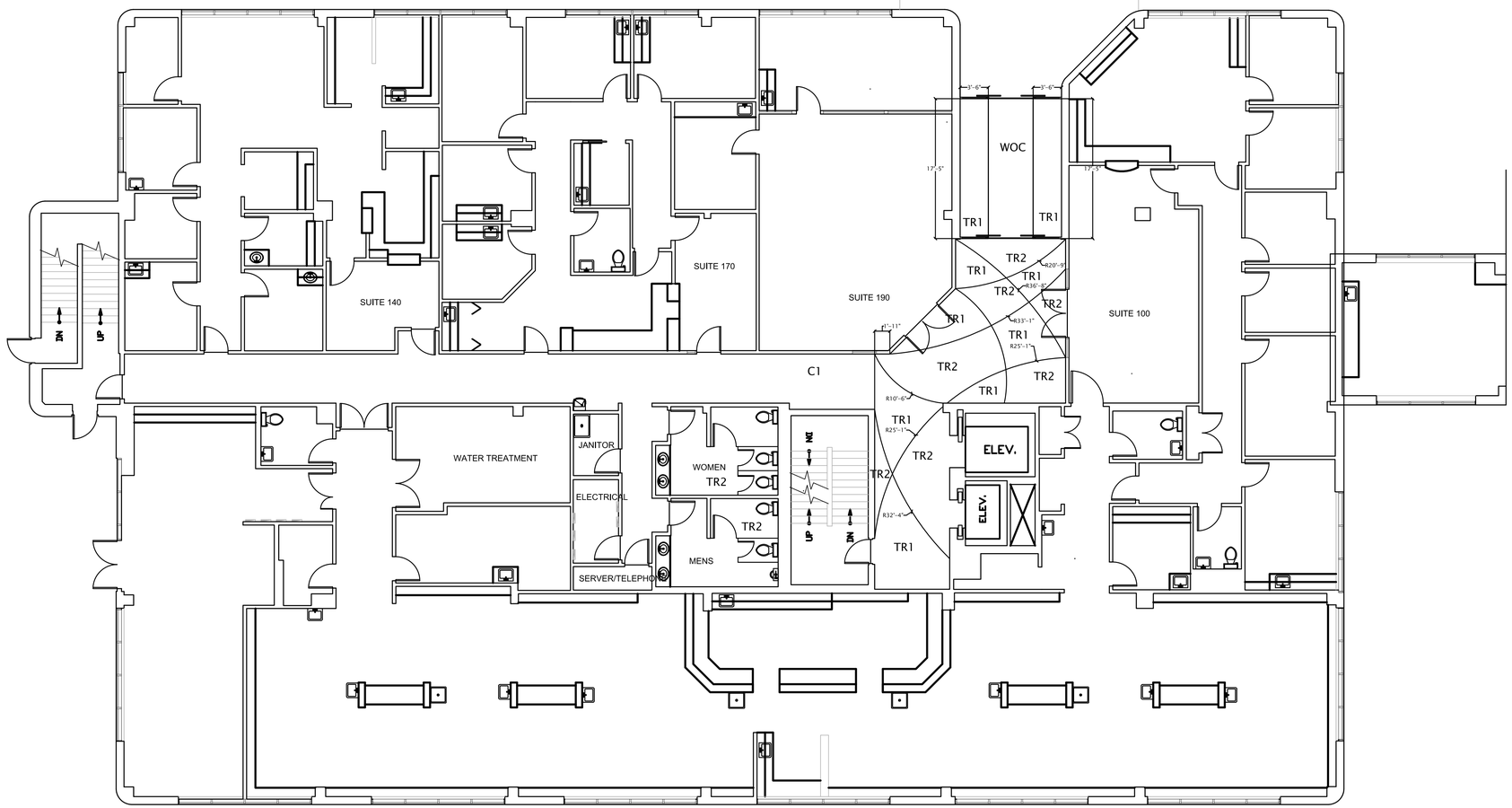
Shop Drawing are to be used to confirm terrazzo layout and joint locations



1411 First Floor Floor Pattern Plan
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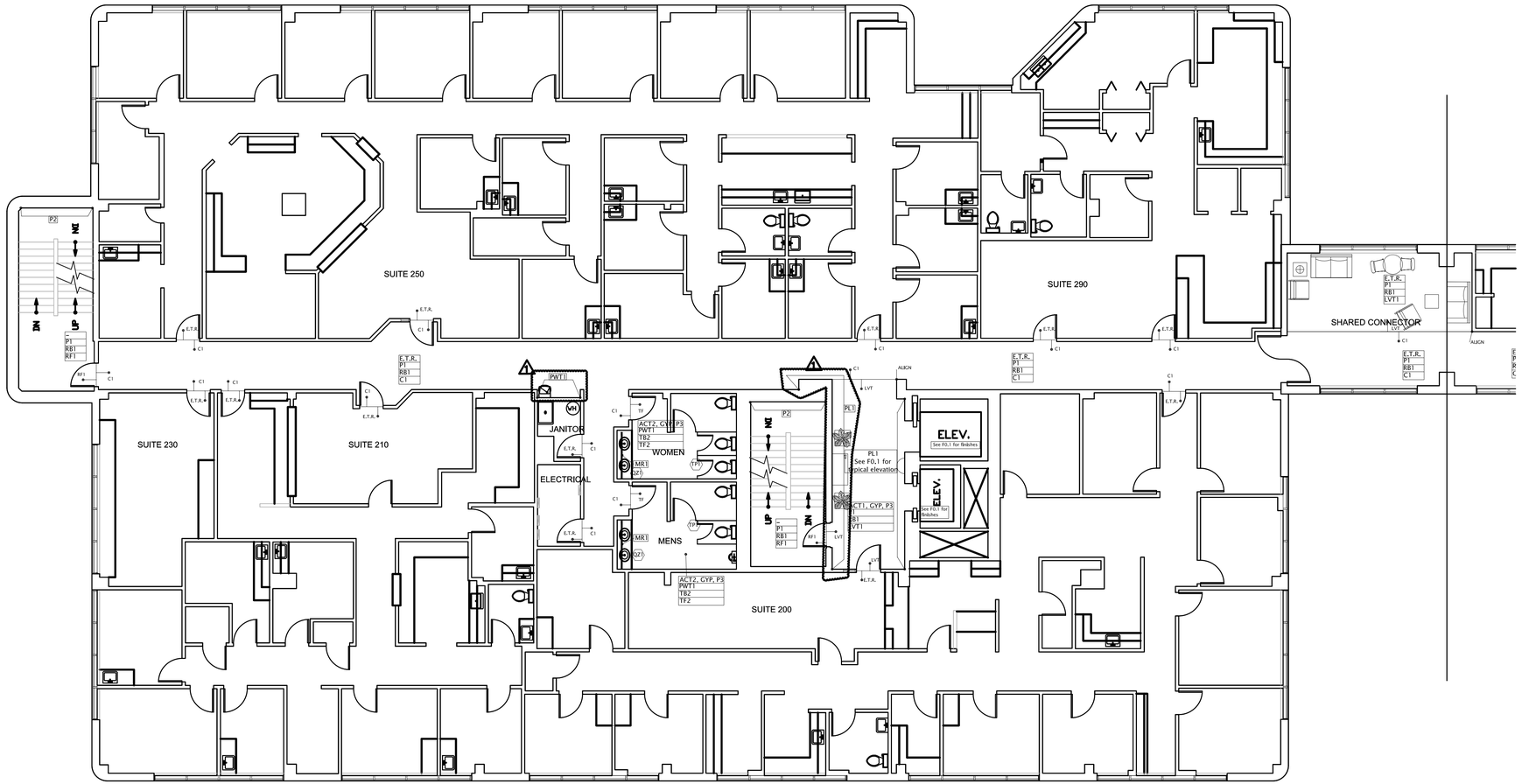

1411 Second Floor Finish & Furniture Plan
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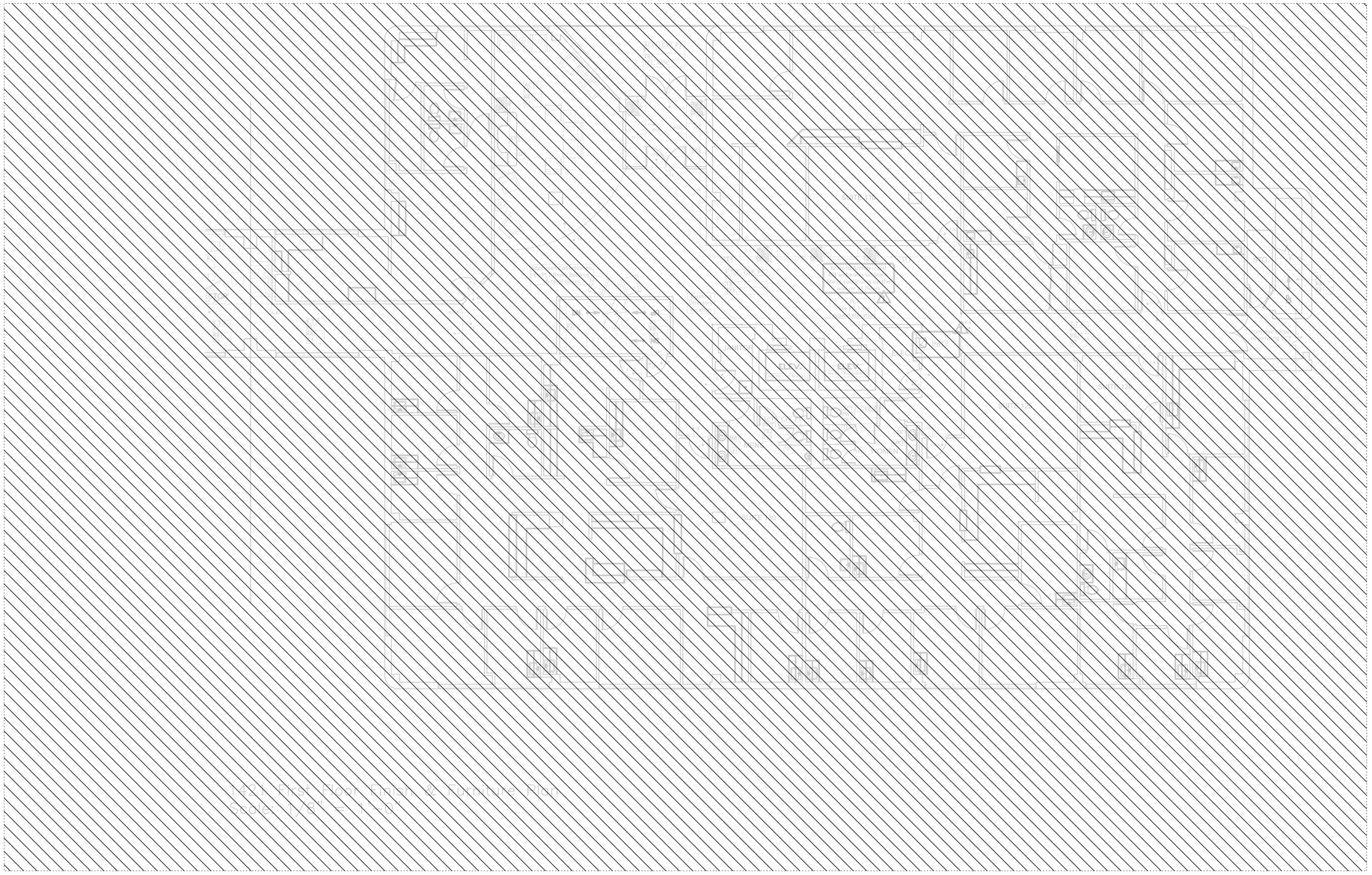

1421 First Floor Finish & Furniture Plan
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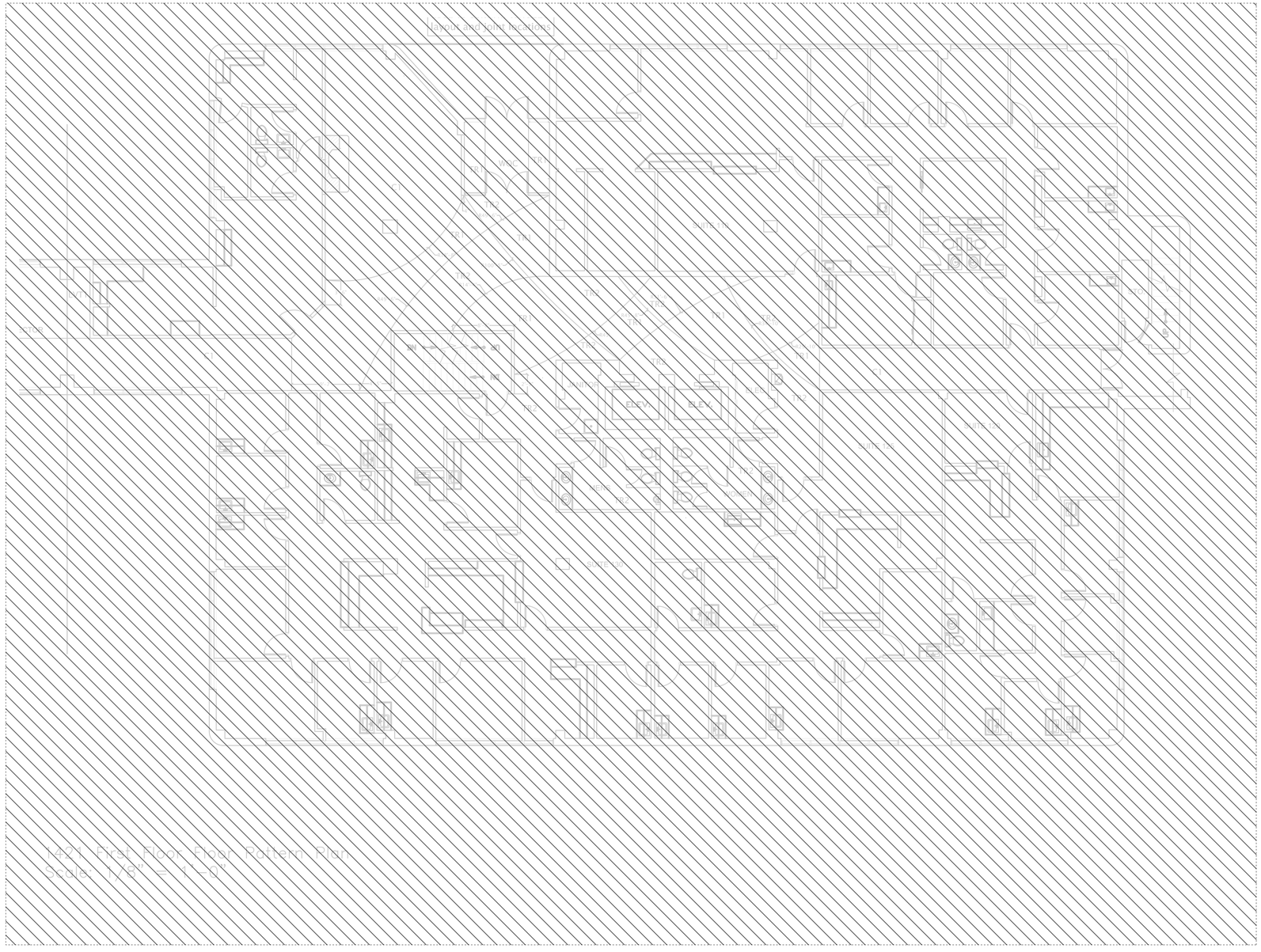

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1421 FIRST FLOOR FLOOR PATTERN PLAN

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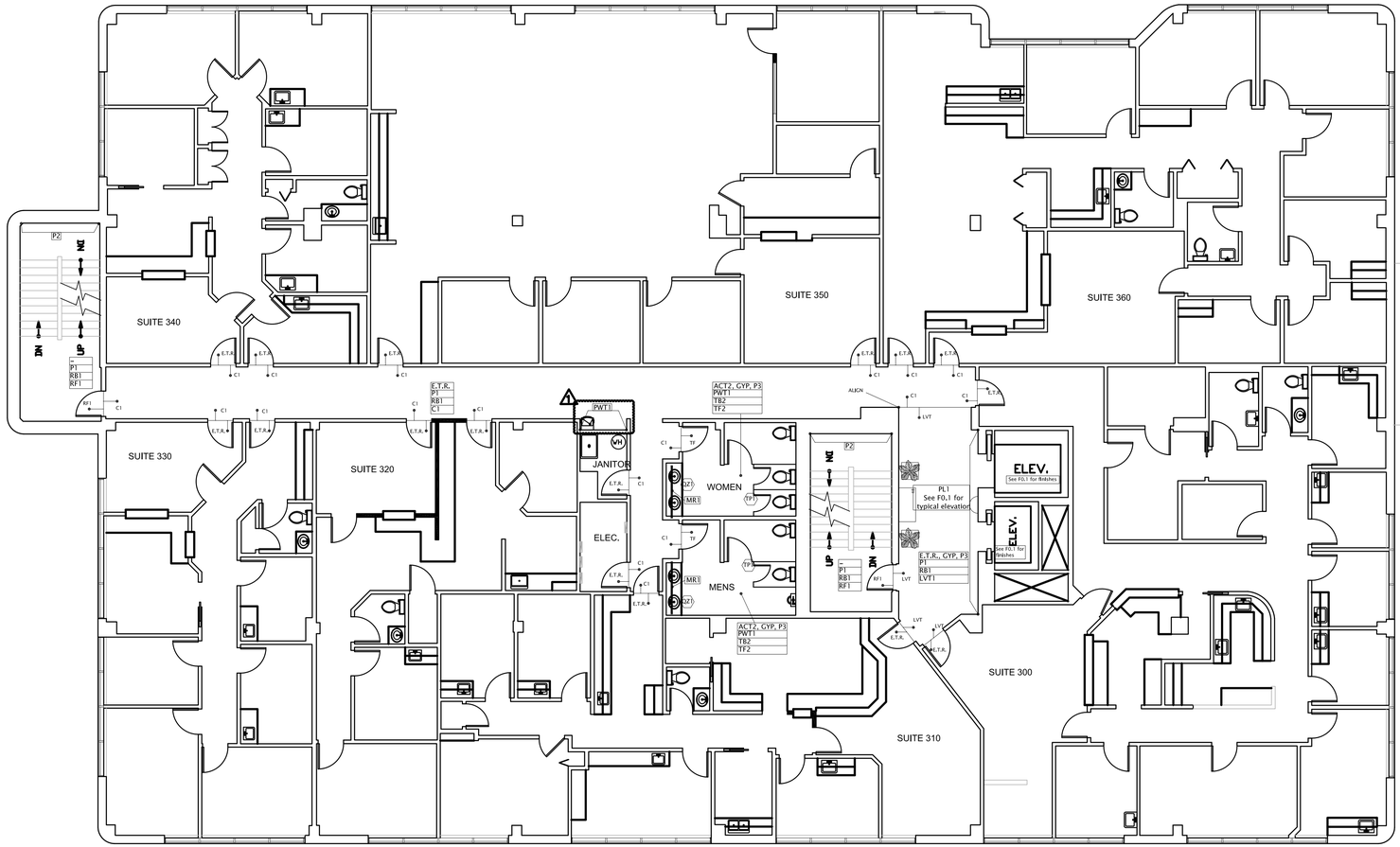

1411 Third Floor Finish & Furniture Plan
Scale: 1/8" = 1'-0"

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INTERIOR DWG. SET
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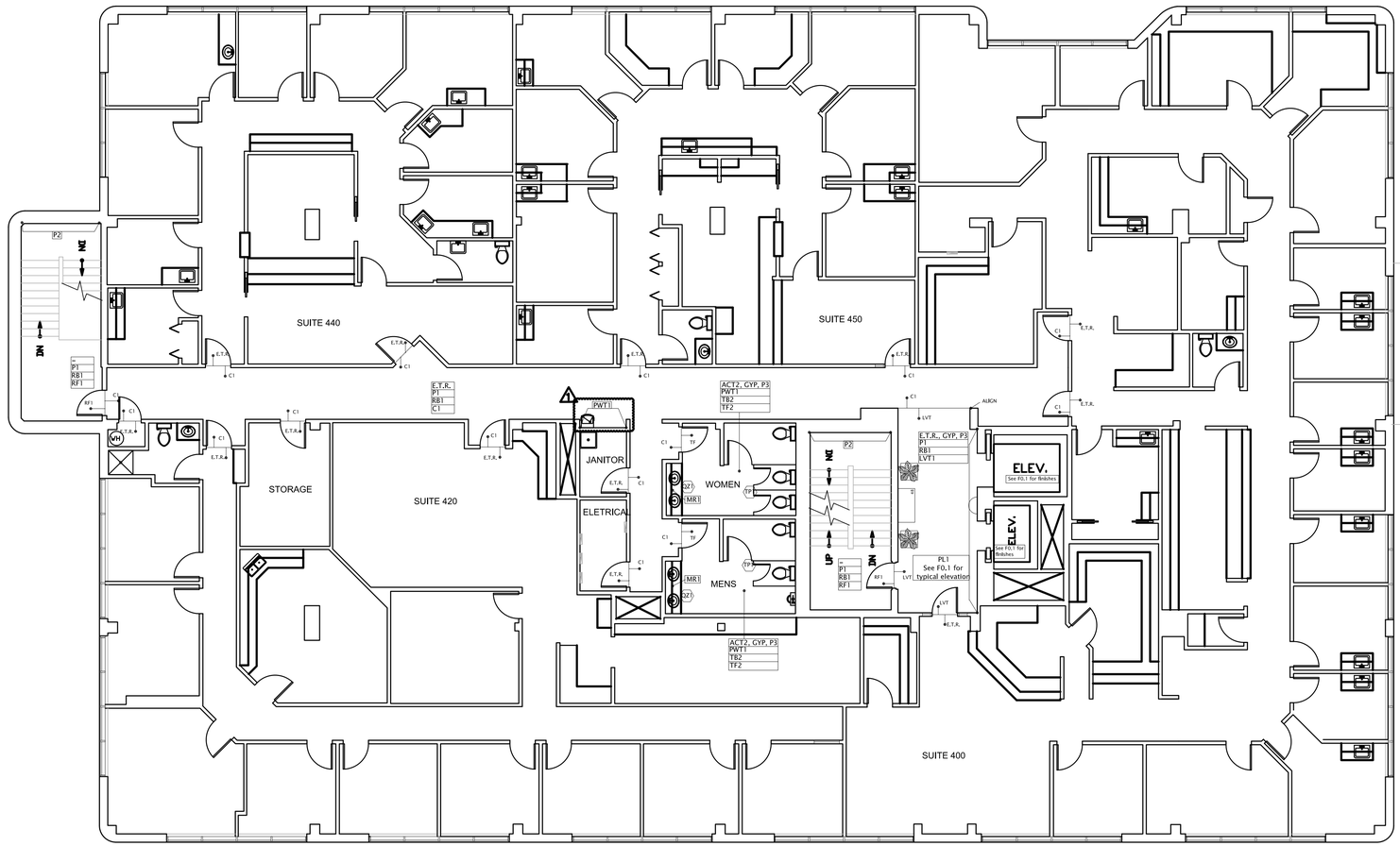

1411 Fourth Floor Finish & Furniture Plan
Scale: 1/8" = 1'-0"

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1 01-19-17

PROJECT NUMBER
0416

F5.1A
1411 FOURTH FLOOR FINISH & FURNITURE PLAN

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RSN: *1186837*
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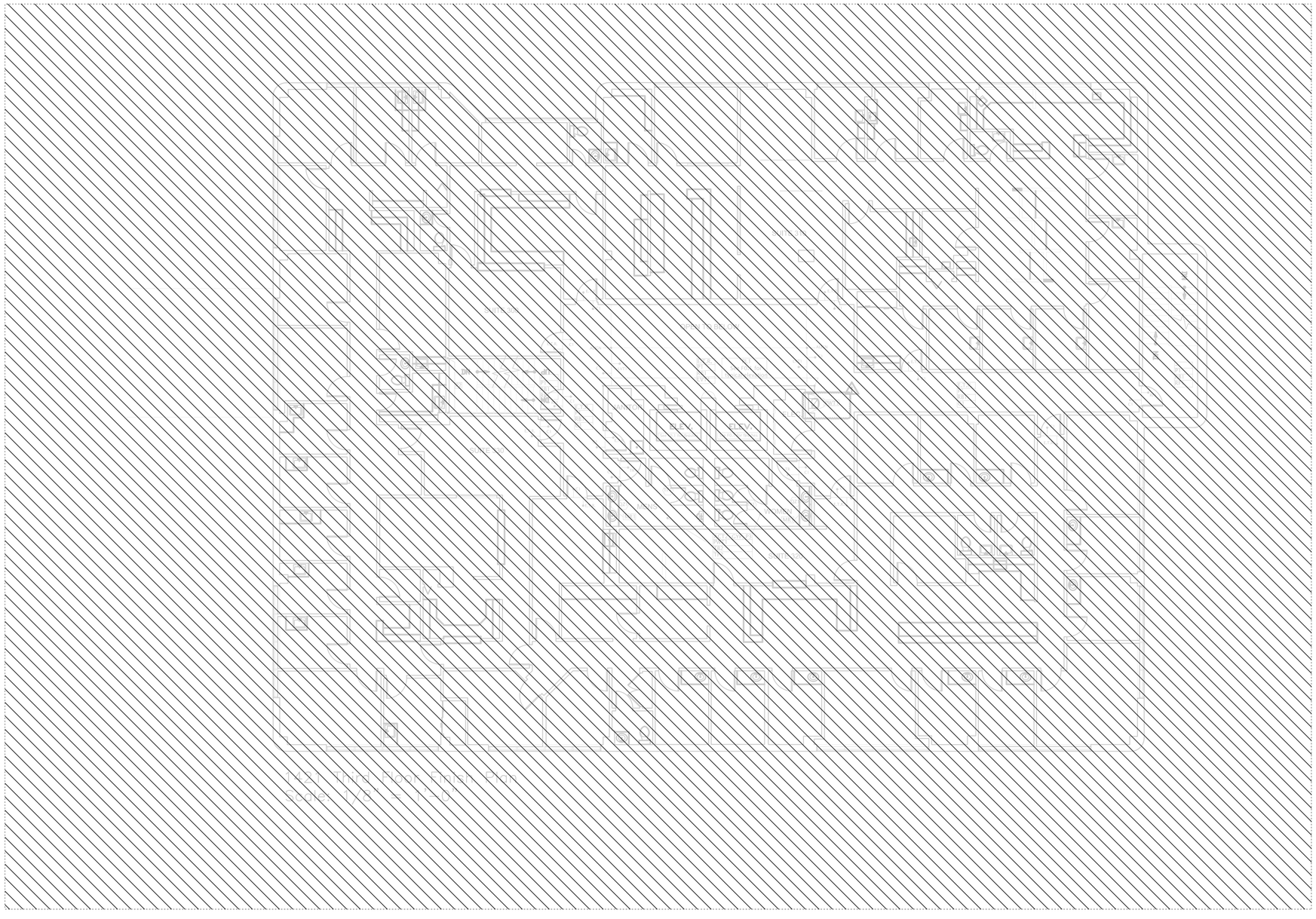

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INTERIOR DWG. SET
A RENOVATION FOR

MEDICAL CENTER II

FOR HCP

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ARCHITECTURE

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1421 THIRD FLOOR FINISH PLAN

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PLUMBING SPECIFICATIONS

ALL WETTED PARTS USED TO CONVEY WATER ANTICIPATED FOR HUMAN CONSUMPTION SHALL BE CERTIFIED LEAD-FREE IN COMPLIANCE WITH NSF/ANSI-372 OR NSF/ANSI 61G.

WATER PIPING ABOVE GRADE SHALL BE TYPE L, HARD DRAWN COPPER WITH WROUGHT COPPER FITTINGS SOLDERED WITH 95-5 TIN-ANTIMONY SOLDER OR BRAZED WITH SILVER BASED FILLER METAL.

SHUT-OFF VALVES ARE TO BE BRONZE BALL VALVES, TWO PIECE OR UNI-BODY FULL PORT WITH CHROME PLATED BALL, REINFORCED TFE SEATS AND STUFFING BOX, LEVER HANDLE AND SCREWED OR SOLDER ENDS. 400 PSI W.O.G., 150 PSI SATURATED STEAM.

WATER PIPING SHALL BE TESTED WITH WATER AT 125 PSIG. TEST PRESSURE SHALL BE MAINTAINED FOR A MINIMUM OF 30 MINUTES WITH NO LOSS. DOMESTIC WATER PIPING SHALL BE DISINFECTED IN ACCORDANCE WITH THE REQUIREMENTS OF THE JURISDICTIONAL HEALTH AND PLUMBING CODES.

ABOVE GRADE SOIL, WASTE, VENT AND STORM DRAIN PIPING SHALL BE NO-HUB, CAST IRON. INSTALLATION SHALL BE IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS.

BELOW GRADE SOIL, WASTE, VENT AND STORM DRAIN MAY BE SCHEDULE 40 DWV PVC OR ABS PIPE AND FITTINGS CONFORMING TO ASTM D-2665 AND ASTM D-3111 WHERE JURISDICTIONAL CODE ALLOWS. INSTALLATION SHALL BE IN ACCORDANCE WITH THE JURISDICTIONAL PLUMBING CODE AND MANUFACTURER'S RECOMMENDATIONS.

SOIL AND WASTE PIPING 2-1/2" AND SMALLER SHALL BE SLOPED 1/4" PER FOOT AND PIPING 3" AND LARGER SHALL BE SLOPED 1/8" PER FOOT UNLESS NOTED OTHERWISE ON DRAWINGS. STORM DRAIN PIPING SHALL BE SLOPED 1/8" PER FOOT UNLESS NOTED OTHERWISE ON DRAWINGS.

WALL CLEANOUTS FOR WASTE PIPING SHALL BE FURNISHED AND INSTALLED BELOW SINKS, LAVATORIES AND URINALS IN ACCORDANCE WITH APPLICABLE SECTIONS OF THE JURISDICTIONAL PLUMBING CODE. FLOOR/GRADE CLEANOUTS FOR WASTE PIPING SHALL BE FURNISHED AND INSTALLED IN ACCORDANCE WITH APPLICABLE SECTIONS OF THE JURISDICTIONAL PLUMBING CODE.

SOIL, WASTE, VENT AND STORM DRAIN PIPING SHALL BE TESTED WITH WATER UNDER PRESSURE EQUIVALENT TO THE HIGHEST POINT AND 10' MINIMUM. THE SYSTEM OR PORTION THEREOF SHALL BE UNDER PRESSURE FOR A MINIMUM OF 15 MINUTES BEFORE INSPECTION.

DOMESTIC WATER PIPING SHALL BE INSULATED WITH NONCOMBUSTIBLE, PREFORMED, FIBERGLASS, PIPE INSULATION WITH A CONDUCTIVITY (K-VALUE) LESS THAN 0.27 AT 75°F AND A FLAME SPREAD/ SMOKE DEVELOPED RATING OF 25/50 OR LESS. INSULATION SHALL HAVE A KRAFT REINFORCED FOIL VAPOR BARRIER WITH SELF-SEALING ADHESIVE JOINTS. INSULATION AT HANGERS AND CLAMPS SHALL BE OF HIGH DENSITY INSULATING MATERIAL. INSULATED PIPING EXPOSED TO VIEW SHALL BE COVERED AND FINISHED WITH A 30 MIL. THICK PVC JACKET.

PIPE INSULATION SCHEDULE
DOMESTIC COLD WATER COPPER PIPING = 1/2" THICK INSULATION
DOMESTIC HOT WATER SUPPLY PIPING (SMALLER THAN 1-1/2") = 1" THICK INSULATION
DOMESTIC HOT WATER RECIRC PIPING (SMALLER THAN 1-1/2") = 1" THICK INSULATION
DOMESTIC HOT WATER SUPPLY PIPING (1-1/2" AND LARGER) = 1-1/2" THICK INSULATION
DOMESTIC HOT WATER RECIRC PIPING (1-1/2" AND LARGER) = 1-1/2" THICK INSULATION

* RUN-OUTS TO INDIVIDUAL FIXTURES DO NOT NEED TO BE INSULATED UNLESS PROVIDED WITH HEAT TRACE HOT WATER TEMPERATURE MAINTENANCE SYSTEM
** INSULATE FIRST 8 FEET OF HOT AND COLD WATER PIPING BETWEEN WATER HEATER AND HEAT TRAPS ON NON-RECIRCULATING SYSTEMS WITH 1" THICK INSULATION

PIPE HANGERS FOR INSULATED PIPE SIZES 1/2" TO 1-1/2" SHALL BE ADJUSTABLE, STEEL, BAND TYPE. PIPE HANGERS FOR INSULATED PIPE SIZES 2" AND OVER SHALL BE ADJUSTABLE, STEEL CLEVIS TYPE. SHIELDS SHALL BE USED WHERE HANGER SUPPORTS INSULATED PIPE. SHIELDS SHALL BE 18 GAGE GALVANIZED STEEL OVER INSULATION 180 DEGREES AND A MINIMUM OF 12 INCHES LONG. PIPE HANGERS FOR BARE PIPE SHALL BE ADJUSTABLE, MALLEABLE STEEL, SPLIT RING TYPE. BARE COPPER PIPE SHALL BE PROTECTED FROM CORROSION BY TRISOLATOR OR SIMILAR PRODUCT. HANGERS SHALL BE PROVIDED AT INTERVALS IN ACCORDANCE WITH THE JURISDICTIONAL PLUMBING CODE. PIPING SHALL BE PROVIDED WITH SEISMIC RESTRAINTS IN ACCORDANCE WITH THE SMACNA SEISMIC RESTRAINT MANUAL – GUIDELINES FOR MECHANICAL SYSTEMS.

PENETRATIONS OF FIRE RATED WALLS OR FLOORS BY PIPE SHALL BE SEALED BY A FIRESTOPPING SYSTEM UL LISTED FOR THE APPLICATION. PENETRATION SEAL MATERIALS SHALL BE INSTALLED IN ACCORDANCE WITH PRINTED INSTRUCTIONS OF THE UL FIRE RESISTANCE DIRECTORY AND MANUFACTURERS INSTRUCTIONS. FIRESTOPPING SYSTEM SHALL BE EQUAL TO 3M FIRE BARRIER. FIRESTOPPING MATERIAL SHALL BE CAULK OR PUTTY TYPE.

CHROME PLATED ESCUTCHEONS SHALL BE PROVIDED AT PIPE SLEEVES FOR EXPOSED BARE PIPE.

GENERAL NOTES

1. ALL WORK SHALL BE INSTALLED IN ACCORDANCE WITH ALL APPLICABLE STATE CODES, LOCAL CODES, AND OWNER'S STANDARDS INDICATED BY THE CONSTRUCTION DOCUMENTS.
2. PLUMBING DRAWINGS ARE DIAGRAMMATIC AND DO NOT NECESSARILY INDICATE EVERY REQUIRED OFFSET, FITTING, ETC. DRAWINGS ARE NOT TO BE SCALED FOR DIMENSIONS. TAKE ALL DIMENSIONS FROM ARCHITECTURAL DRAWINGS, CERTIFIED EQUIPMENT DRAWINGS AND FROM THE STRUCTURE ITSELF BEFORE FABRICATING ANY WORK, VERIFY ALL SPACE REQUIREMENTS COORDINATING WITH OTHER TRADES, AND INSTALL THE SYSTEMS IN THE SPACE PROVIDED WITHOUT EXTRA CHARGES TO THE OWNER.
3. CONTRACTOR SHALL COORDINATE WORK INDICATED WITH MECHANICAL, ELECTRICAL, FIRE PROTECTION, STRUCTURAL, CIVIL, AND ARCHITECTURAL DIVISIONS. CONTRACTOR SHALL VERIFY SIZE & LOCATION OF EXISTING UTILITIES PRIOR TO COMMENCING WORK, COORDINATE WITH OTHER TRADES AND MAKE FINAL CONNECTION. VERIFY FIT OF PLUMBING SYSTEMS PRIOR TO FABRICATION.
4. PROVIDE ALL EQUIPMENT SCHEDULED OR INDICATED ON THE DRAWINGS BUT NOT INCLUDED WITHIN THE SPECIFICATIONS INCLUDING ANY REQUIRED BUT NOT LISTED MISC ITEMS REQUIRED TO PROVIDE COMPLETE OPERATIONAL SYSTEMS AS INDICATED WHETHER SPECIFICALLY CALLED FOR OR NOT. INSTALLATION SHALL CONFORM TO MANUFACTURERS RECOMMENDATIONS AND APPLICABLE CODES. PROVIDE SUBMITTALS FOR ALL PROPOSED FIXTURES, EQUIPMENT AND MATERIALS TO BE UTILIZED. PROVIDE OPERATION AND MAINTENANCE MANUAL FOR ALL SYSTEMS AND EQUIPMENT AT END OF PROJECT.
5. ELECTRICAL CHARACTERISTICS OF PLUMBING EQUIPMENT SHALL BE VERIFIED WITH ELECTRICAL DRAWINGS AND ELECTRICAL CONTRACTOR PRIOR TO EQUIPMENT ORDER RELEASE. ADDITIONAL ELECTRICAL WORK RESULTING FROM EQUIPMENT SUBSTITUTION IS THE RESPONSIBILITY OF THIS CONTRACTOR.
6. PROVIDE 18" X 18" MINIMUM ACCESS DOOR IN INACCESSIBLE CEILINGS AND WALLS FOR EQUIPMENT AND VALVES REQUIRING ACCESS OR ADJUSTMENT. COORDINATE LOCATIONS AND SUBMIT TO ARCHITECT FOR APPROVAL PRIOR TO BEGINNING WORK.
7. PROVIDE CLEANOUTS WHERE INDICATED ON DRAWINGS OR AS REQUIRED BY JURISDICTIONAL PLUMBING CODE.
8. VTR'S SHALL BE 10'-0" MINIMUM FROM BUILDING AIR INTAKES AND OPENINGS INTO BUILDING. COORDINATE WITH MECHANICAL DRAWINGS AND CONTRACTOR.
9. ALL WORK UNDER THIS CONTRACT IS TO FIVE (5) FEET OUTSIDE THE BUILDING.
10. CLEAN, TEST, AND SANITIZE ALL PLUMBING IN ACCORDANCE WITH REQUIREMENTS OF JURISDICTIONAL PLUMBING AND HEALTH CODES.
11. WHERE PIPES PASS THROUGH FIRE-RATED FLOOR OR WALLS, SEAL WITH MATERIALS EQUAL TO 3M FIRE BARRIER, MEETING TESTING PER ASTM-E-814 (UL 1479). USE CAULK OR PUTTY TYPE. ALL EXTERIOR WALL AND ROOF PENETRATIONS SHALL BE SEALED WATERPROOF.
12. AT THE COMPLETION OF THE WORK AND PRIOR TO FINAL ACCEPTANCE, ALL PARTS OF THE WORK INSTALLED UNDER THIS SPECIFICATION SHALL BE THOROUGHLY CLEANED.
13. ALL EQUIPMENT, MATERIALS, AND INSTALLATION IS TO BE WARRANTEED FOR ONE YEAR TO BE FREE FROM DEFECT. PROVIDE WRITTEN WARRANTY TO OWNER.
14. THE OWNER AND ENGINEER ARE NOT RESPONSIBLE FOR THE CONTRACTOR'S SAFETY PRECAUTIONS OR TO MEANS, METHODS, TECHNIQUES, CONSTRUCTION SEQUENCES, OR PROCEDURES REQUIRED TO PERFORM HIS WORK.
15. THIS CONTRACTOR SHALL FIELD VERIFY LOCATIONS AND SIZES OF ALL EXISTING EQUIPMENT, DUCTWORK, PIPING, ELECTRICAL CONDUIT, STRUCTURAL MEMBERS, ETC., PRIOR TO STARTING OF CONSTRUCTION. COORDINATE CONFLICTS WITH THE GENERAL CONTRACTOR.
16. THIS CONTRACTOR SHALL COORDINATE ALL REQUIRED EXISTING BUILDING SERVICE SYSTEM OUTAGES WITH BUILDING MANAGEMENT.
17. ALL PLUMBING SYSTEMS ARE REQUIRED TO BE INSTALLED PER BASE BUILDING REQUIREMENTS, LOCAL AND STATE JURISDICTIONAL CODES, ORDINANCES, AND APPLICABLE REGULATIONS.
18. SAWCUT/CORE DRILL EXISTING FLOOR AS REQUIRED FOR INSTALLATION OR CAPPING OF WASTE AND VENT PIPING. PATCH AND REPAIR TO MATCH EXISTING.
19. PATCH AND REPAIR TO MATCH EXISTING, ANY WALL/CEILINGS TO BE ACCESSED TO ROUTE PIPING.
20. EXISTING PLUMBING AND EQUIPMENT TO REMAIN IS SHOWN LIGHT. NEW PLUMBING AND EQUIPMENT IS SHOWN HEAVY. EXISTING PLUMBING AND EQUIPMENT TO BE REMOVED IS SHOWN WITH A HATCH OVER THE ITEM.

SHEET INDEX

ISSUE: 01-17-17 FOR PERMIT & CONSTRUCTION	SHEET NO.	SHEET DESCRIPTION
●	P0.0	PLUMBING LEGEND AND NOTES
●	P1.0	PLUMBING PLANS
●	P2.0	PLUMBING FIXTURE LIST

PLUMBING LEGEND

ABBR	SYMBOL	DESCRIPTION
S OR W	— — — —	EXISTING SOIL, WASTE OR SEWER BELOW GRADE OR FLOOR
S OR W	———	EXISTING SOIL, WASTE OR SEWER ABOVE GRADE OR FLOOR
V	- - - - - -	EXISTING VENT
CW	——— - ———	EXISTING COLD WATER
HW	——— - - ———	EXISTING HOT WATER
S OR W	— — — —	SOIL, WASTE OR SEWER BELOW GRADE OR FLOOR
S OR W	———	SOIL, WASTE OR SEWER ABOVE GRADE OR FLOOR
FCO/GCO	— —⊕— —	FLOOR OR GRADE CLEANOUT
CO	I├——	CLEANOUT
V	- - - - - -	VENT
CW	——— - ———	COLD WATER
HW	——— - - ———	HOT WATER
D	———D———	DRAIN
SOV	——⋈——	SHUT-OFF VALVE
UNO		UNLESS NOTED OTHERWISE
AFF		ABOVE FINISHED FLOOR
E		EXISTING
D		DEMO
	◕	POINT OF CONNECTION NEW TO EXISTING
	-×-×-×-×-	ITEMS TO BE DEMOLISHED

RSN: 1186837
Permit #: 17-1253295-LT

City of Aurora Building Division
Reviewed for Code Compliance
Approved as Noted: John Lichtner
Date: Feb 24, 2017
2015 INTERNATIONAL CODES & 2014 NEC

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FOR HCP
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PLUMBING LEGEND AND NOTES
P0.0

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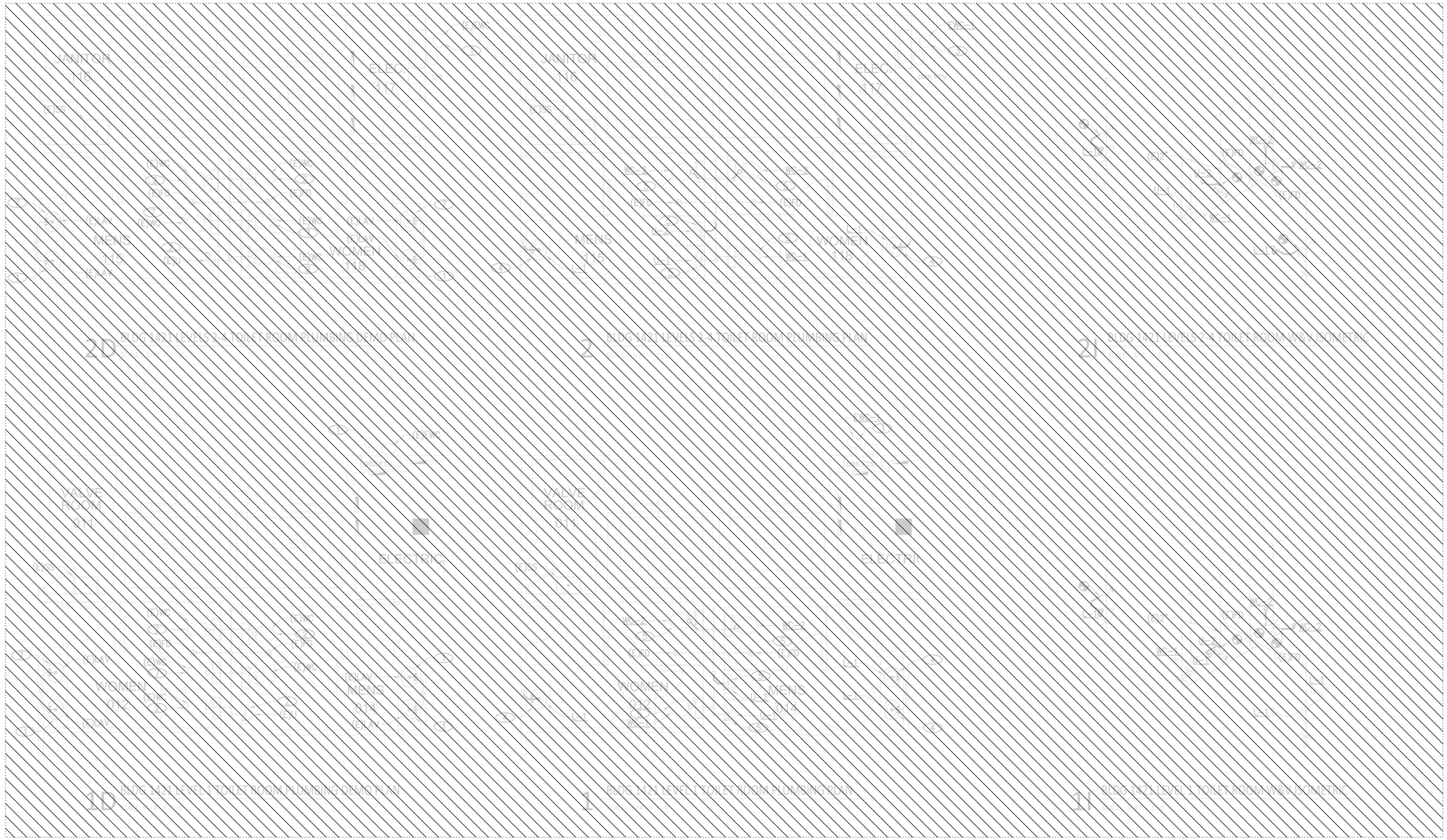
NOTES

1. EXISTING FIXTURE TO BE REMOVED. CAP EXISTING ROUGH–INS FOR CONNECTION TO FIXTURE TO BE INSTALLED IN SAME LOCATION.
2. EXISTING FIXTURE TO BE REMOVED. CAP EXISTING HW, CW, W, AND V AT MAINS FOR CONNECTION TO FIXTURE TO BE INSTALLED IN DIFFERENT LOCATION.
3. MODIFY EXISTING ROUGH–INS AND CONNECT NEW 1/2"CW AND 1–1/2"W TO NEW ELECTRIC WATER COOLER.
4. MODIFY EXISTING ROUGH–INS AND CONNECT NEW 1/2"H&CW AND 1–1/2"W TO NEW LAVATORY.
5. MODIFY EXISTING ROUGH–INS AND CONNECT NEW 1/2"CW AND 4"W TO NEW WATER CLOSET.
6. MODIFY EXISTING ROUGH–INS AND CONNECT NEW 3/4"CW AND 2"W TO NEW URINAL.
7. EXISTING FIXTURE TO BE REMOVED. CAP EXISTING HW, CW, W, AND V AT MAINS.



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PLUMBING LEGEND AND NOTES

P1.0

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Date: *Feb 24, 2017*
2015 INTERNATIONAL CODES & 2014 NEC

Provide self-closing or metered faucets in public restrooms.
2015 COA 22-326 (a)

PLUMBING FIXTURE SCHEDULE

MARK	DESCRIPTION	MFR/MODEL	ROUGH-IN (INCHES) HW	CW	V	TRAP	S/W	NOTES

WC-1	FLOOR SET FLUSH TANK TYPE CLOSE COUPLED TOILET WITH LOW CONSUMPTION 1.28 GPF WATER SENSE CERTIFIED SIPHON JET FLUSHING ACTION, ELONGATED BOWL, BOLT DOWN LOCKING TANK LID, GLAZED TRAPWAY. PROVIDE CHROME PLATED 1/2" NOM. COMP. X 3/8" NOM. COMP. ANGLE STOP AND SEAMLESS CHROME PLATED COPPER TUBE WATER SUPPLY WITH CHROME PLATED (1) PIECE SET SCREW TYPE CHROME PLATED BRASS ESCUTCHEON AT WALL PENETRATION. PROVIDE OPEN FRONT WHITE SEAT LESS COVER WITH SELF SUSTAINING CHECK HINGE. ALL TRIM TO BE CHROME PLATED COPPER OR BRASS.	TOILET = TOTO #CST744EB OR EQUAL BY AMER. STD., KOHLER, CRANE
		SEAT = TOTO #SC534 OR EQUAL BY OLSONITE, BENEKE, CHURCH, BEMIS, CENTOCO
			--	1/2	2	--	4	FLOOR MOUNTED WITH WAX OR NEOPRENE CLOSET RING. SET WITH PLASTER OF PARIS AND WHITE NON-HARDENING ADHESIVE SEALANT BETWEEN THE FLOOR AND THE FIXTURE BASE WITH "COVED" FINISHING.

WC-2	ADA FLOOR SET FLUSH TANK TYPE CLOSE COUPLED TOILET WITH LOW CONSUMPTION 1.28 GPF WATER SENSE CERTIFIED SIPHON JET FLUSHING ACTION, ELONGATED BOWL, BOLT DOWN LOCKING TANK LID, GLAZED TRAPWAY. PROVIDE CHROME PLATED 1/2" NOM. COMP. X 3/8" NOM. COMP. ANGLE STOP AND SEAMLESS CHROME PLATED COPPER TUBE WATER SUPPLY WITH CHROME PLATED (1) PIECE SET SCREW TYPE CHROME PLATED BRASS ESCUTCHEON AT WALL PENETRATION. PROVIDE OPEN FRONT WHITE SEAT LESS COVER WITH SELF SUSTAINING CHECK HINGE. ALL TRIM TO BE CHROME PLATED COPPER OR BRASS.	TOILET = TOTO #CST744ELB OR EQUAL BY AMER. STD., KOHLER, CRANE
		SEAT = TOTO #SC534-01 OR EQUAL BY OLSONITE, BENEKE, CHURCH, BEMIS, CENTOCO
			--	1/2	2	--	4	FLOOR MOUNTED WITH WAX OR NEOPRENE CLOSET RING. SET WITH PLASTER OF PARIS AND WHITE NON-HARDENING ADHESIVE SEALANT BETWEEN THE FLOOR AND THE FIXTURE BASE WITH "COVED" FINISHING. ADA WATER CLOSET TANKS ARE TO BE PROVIDED WITH LEFT OR RIGHT HAND TRIP LEVERS AS REQUIRED TO ALLOW FOR TRIP LEVERS ARE TO BE INSTALLED TO WIDE SIDE OF ADA TOILET STALL.

U-1	WALL HUNG FLUSH VALVE OPERATED URINAL WITH LOW CONSUMPTION 0.125 GPF WATER SENSE CERTIFIED SIPHON JET FLUSHING ACTION, GLAZED TRAPWAY. PROVIDE 3/4" TOP SPUD FOR TOP MOUNTED FLUSH VALVE. BATTERY POWERED SENSOR OPERATED FLUSH VALVE TO INCLUDE SET SCREW TYPE CAST BRASS ESCUTCHEON AT WALL PENETRATION, VANDAL RESISTANT STOP CAP, VACUUM BREAKER, AND ALL RED BRASS CONSTRUCTION. ADDITIONAL OPTIONS MAY BE SELECTED BY THE CONTRACTOR. ALL TRIM TO BE CHROME PLATED COPPER OR BRASS.	URINAL = ZURN #Z5755-U OR EQUAL BY TOTO, KOHLER, CRANE, ZURN, ELJER
		FLUSH VALVE = ZURN #ZTR6203-ULF-LL OR EQUAL BY SLOAN, DELANY, TOTO
		CARRIER = ZURN #Z1222 OR EQUAL BY JOSAM, J.R. SMITH, WADE, MIFAB
			--	3/4	1 1/2	--	2	SET WITH WHITE NON-HARDENING ADHESIVE SEALANT BETWEEN THE WALL AND THE BACK OF FIXTURE WITH "COVED" FINISHING. RIM OF URINAL TO BE INSTALLED AT 24" AFF.

U-2	ADA WALL HUNG FLUSH VALVE OPERATED URINAL WITH LOW CONSUMPTION 0.125 GPF WATER SENSE CERTIFIED SIPHON JET FLUSHING ACTION, GLAZED TRAPWAY. PROVIDE 3/4" TOP SPUD FOR TOP MOUNTED FLUSH VALVE. BATTERY POWERED SENSOR OPERATED FLUSH VALVE TO INCLUDE SET SCREW TYPE CAST BRASS ESCUTCHEON AT WALL PENETRATION, VANDAL RESISTANT STOP CAP, VACUUM BREAKER, AND ALL RED BRASS CONSTRUCTION. ADDITIONAL OPTIONS MAY BE SELECTED BY THE CONTRACTOR. ALL TRIM TO BE CHROME PLATED COPPER OR BRASS.	URINAL = ZURN #Z5755-U OR EQUAL BY TOTO, KOHLER, CRANE, ZURN, ELJER
		FLUSH VALVE = ZURN #ZTR6203-ULF-LL OR EQUAL BY SLOAN, DELANY, TOTO
		CARRIER = ZURN #Z1222 OR EQUAL BY JOSAM, J.R. SMITH, WADE, MIFAB
			--	3/4	1 1/2	--	2	SET WITH WHITE NON-HARDENING ADHESIVE SEALANT BETWEEN THE WALL AND THE BACK OF FIXTURE WITH "COVED" FINISHING. RIM OF URINAL TO BE INSTALLED AT 17" AFF.

L-1	ADA UNDERMOUNT LAVATORY SINK WITH HOLE DRILLINGS TO MEET FAUCET SPECIFICATIONS. PROVIDE CHROME PLATED BRASS PERFORATED GRID DRAIN WITH ADA WHEELCHAIR OFFSET DRAIN, CHROME PLATED BRASS P-TRAP AND WASTE ARM, 1/2" NOM. COMP. X 3/8" NOM. COMP. CHROME PLATED ANGLE STOPS WITH WHEEL HANDLES, CHROME PLATED FLEXIBLE SEAMLESS COPPER TUBE SUPPLIES, AND (1) PIECE SET SCREW TYPE CHROME PLATED CAST BRASS ESCUTCHEONS AT WALL PENETRATIONS. FAUCET TO BE BATTERY POWERED IR SENSOR ACTIVATED UNIT OF CHROME PLATED CAST BRASS CONSTRUCTION WITH .5 GPM VANDAL RESISTANT AERATOR AND CERAMIC DISK CARTRIDGE TYPE VALVE WITH OPTIONAL MIXING VALVE. PROVIDE ASSE 1070 MIXING VALVE BELOW LAVATORY SET AT 105 DEG F DISCHARGE TEMP. ALL TRIM TO BE CHROME PLATED COPPER OR BRASS.	LAVATORY = REFER TO ARCHITECTURAL AND INTERIOR DRAWINGS FOR SPECIFICATION FAUCET = REFER TO ARCHITECTURAL AND INTERIOR DRAWINGS FOR SPECIFICATION MIXING VALVE = LEONARD #170-LF OR EQUAL BY WATTS, SYMMONS, POWERS, WILKINS, ZURN DRAIN = DEARBORN BRASS #760W-1 OR EQUAL BY BRASSCRAFT, KOHLER, AMER. STD., DELTA, CHICAGO, T&S BRASS, PROFLO	1/2	1/2	1 1/2	1 1/4	1 1/2	BATTERY POWERED FAUCET INSTALL MIXING VALVE ON WALL BELOW LAVATORY. CONNECT 3/8"HW AND 3/8"CW TO MIXING VALVE, EXTEND 3/8" TEMPERED WATER FROM MIXING VALVE TO FAUCET HOT WATER INLET.
EWC-1	RECESSED ADA COMPLIANT ELECTRIC WATER COOLER WITH POLISHED STAINLESS STEEL BODY AND TRIM. PROVIDE WITH AUTOMATIC STREAM REGULATOR, SCREWDRIVER STOP, AND FAN COOLED REFRIGERATED CONDENSING UNIT UTILIZING R-410A REFRIGERANT RECESSED IN WALL CAVITY. MANUFACTURER TO CERTIFY UNIT TO BE LEAD FREE AS DEFINED BY THE SAFE DRINKING WATER ACT. PROVIDE CHROME PLATED BRASS P-TRAP AND WASTE ARM, 1/2" NOM. COMP. X 3/8" NOM. COMP. CHROME PLATED ANGLE STOP WITH WHEEL HANDLE, AND CHROME PLATED FLEXIBLE SEAMLESS COPPER TUBE SUPPLY.	ELECTRIC WATER COOLER = HALSEY TAYLOR #OVL-II S, REFER TO ARCHITECTURAL AND INTERIOR DRAWINGS FOR SPECIFICATION	--	1/2	1 1/2	1 1/2	1 1/2	INSTALL SPOUT HEIGHTS AS REQUIRED PER MANUFACTURER'S INSTALLATION INSTRUCTIONS TO MEET ADA REQUIREMENTS.

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PROJECT NUMBER
0416

PLUMBING LEGEND AND NOTES

P2.0

GENERAL PROJECT NOTES

NOTE: SEE ARCHITECTURAL DRAWINGS FOR ADDITIONAL CONSTRUCTION REQUIREMENTS

1. THE CONTRACTOR SHALL PROVIDE ALL LABOR AND MATERIAL NECESSARY FOR A COMPLETE, OPERATIONAL AND PROPERLY FUNCTIONING ELECTRICAL SYSTEM
2. MATERIALS AND INSTALLATION SHALL COMPLY WITH CODES, LAWS AND ORDINANCES OF FEDERAL, STATE AND LOCAL GOVERNING BODIES HAVING JURISDICTION.
3. MATERIALS AND EQUIPMENT SHALL BE LISTED AND/OR LABELED BY U.L., ETL, CSA OR ANOTHER RECOGNIZED TESTING LAB. ALL MATERIAL, EQUIPMENT, WIRING DEVICES, ETC. SHALL BE NEW, UNLESS SPECIFICALLY INDICATED AS EXISTING TO BE REUSED.
4. THE CONTRACTOR SHALL PREPARE AND SUBMIT TO GOVERNMENTAL AGENCIES AND UTILITY COMPANIES SHOP DRAWINGS REQUIRED BY THESE AGENCIES FOR APPROVAL. THE CONTRACTOR SHALL SECURE AND PAY FOR ALL PERMITS, GOVERNMENTAL FEES, TAXES AND LICENSES NECESSARY FOR THE PROPER EXECUTION AND COMPLETION OF THE ELECTRICAL WORK. THIS CONTRACTOR SHALL SECURE AND PAY ALL FEES AND PERMITS PERTAINING TO THIS CONTRACT, SHALL BE RESPONSIBLE FOR WORKER'S IDENTIFICATION AND BADGING, SAFETY, AND LIABILITY INSURANCE. PROVIDE BARRICADES, WARNING SIGNS, AND TRASH REMOVAL FOR THE SAFETY OF THE WORKERS UNDER THIS CONTRACTOR'S EMPLOY.
5. THE CONTRACTOR SHALL NOTIFY THE ARCHITECT/ENGINEER/OWNER OF ANY MATERIALS OR APPARATUS BELIEVED TO BE INADEQUATE, UNSUITABLE, IN VIOLATION OF LAWS, ORDINANCES, RULES OR REGULATIONS OF AUTHORITIES HAVING JURISDICTION.
6. THE CONTRACTOR SHALL PREPARE THE DOCUMENTS, INCLUDING DRAWINGS, REQUIRED TO OBTAIN APPROVAL OF THE EQUIPMENT AND LOCATIONS OF THE DEVICES THAT COMPRISE THE BUILDING FIRE ALARM LIFE SAFETY SYSTEM. THE DRAWINGS AND CUT SHEETS SHALL BE PROVIDED TO A PROFESSIONAL ENGINEER FOR REVIEW AND APPROVAL. THE APPROVED DRAWINGS WILL BE STAMPED, SIGNED AND RETURNED TO E.C. TO SUBMIT TO THE BUILDING DEPARTMENT.
7. THE CONTRACTOR SHALL CAREFULLY EXAMINE THE CONTRACT DOCUMENTS, VISIT THE SITE, AND THOROUGHLY BECOME FAMILIAR WITH THE BUILDING STANDARDS, LOCAL JURISDICTIONAL CODES AND REQUIREMENTS, AND LOCAL CONDITIONS RELATING TO THE WORK. FAILURE TO DO SO WILL NOT RELIEVE THE CONTRACTOR OF THE OBLIGATIONS OF THE CONTRACT. SUBMISSION OF PROPOSAL IN CONNECTION WITH THIS WORK SHALL IMPLY THAT THE BIDDER HAS EXAMINED THE JOB SITE. NO EXTRA CHARGE WILL BE ALLOWED FOR CHANGES AS A RESULT FROM FAILURE TO EXAMINE THE JOB SITE.
8. THE CONTRACTOR SHALL PROVIDE TEMPORARY POWER AND WIRING FOR THE PERFORMANCE OF ALL TRADES, FOR THE ENTIRE PERIOD OF CONSTRUCTION AND SHALL REMOVE ALL TEMPORARY WIRING AT THE COMPLETION OF CONSTRUCTION.
9. THE EXISTING POWER, SIGNAL AND COMMUNICATION SYSTEMS ARE TO REMAIN IN SERVICE TO PROVIDE FOR THE OWNER'S FUNCTION. SHOULD IT BECOME NECESSARY TO SHUT-DOWN ANY SYSTEM OR PORTION OF A SYSTEM, APPROVAL IN WRITING MUST BE OBTAINED FROM THE OWNER AND SHALL ONLY APPLY FOR THE PERIOD AND TIME AGREED UPON. THE BID IS TO INCLUDE THE COST OF ANY TEMPORARY WIRING AND PREMIUM TIME REQUIRED FOR THE SHUTDOWN.
10. ALL MATERIALS AND EQUIPMENT SHALL BE ERECTED, INSTALLED, CONNECTED, CLEANED, ADJUSTED, TESTED, CONDITIONED, AND PLACED IN SERVICE IN ACCORDANCE WITH THE MANUFACTURER'S DIRECTIONS AND RECOMMENDATIONS.
11. ALL CUTTING, DRILLING AND PATCHING OF MASONRY, STEEL OR IRON WORK BELONGING TO THE BUILDING MUST BE DONE BY THIS CONTRACTOR IN ORDER THAT HIS WORK MAY BE PROPERLY INSTALLED, BUT UNDER NO CONDITIONS MAY STRUCTURAL WORK BE CUT, EXCEPT AT THE DIRECTION OF THE ARCHITECT-DESIGNER OR THEIR REPRESENTATIVE.
12. REFER TO ARCHITECTURAL DRAWINGS FOR EXACT LOCATIONS AND MOUNTING HEIGHTS OF ELECTRICAL FIXTURES AND ELECTRICAL DEVICES. MOUNTING HEIGHTS SHALL CONFORM TO ADA/ICC/ANSI STANDARDS.
13. ALL WORK REQUIRED FOR THE INSTALLATION AS SHOWN ON DRAWINGS INCLUDING LABOR, EQUIPMENT AND MATERIALS SHALL BE IN STRICT COMPLIANCE WITH THE BUILDING STANDARDS.
14. PROVIDE COMPLETE METAL RACEWAY SYSTEMS AND ENCLOSURES FOR ALL WIRING THROUGHOUT THE EXTENT OF THE REQUIRED SYSTEM.
15. ALL TELE/ DATA BOXES SHALL BE PROVIDED WITH A 1/2" CONDUIT AND BUSHING WITH PULL STRING RUN 6" ABOVE FINISHED CEILING OR CEILING GRID. ELECTRICAL METALLIC TUBING (EMT) SHALL BE USED FOR ALL WALL OUTLETS & TELEPHONE WIRING RUNNING BELOW RAISED FLOOR OR ABOVE HARD CEILINGS.
16. ALL RECEPTACLES NOTED AS ISOLATED GROUND (IG) OR DEDICATED OR CIRCUITED AS DEDICATED SHALL BE PROVIDED WITH A DEDICATED GROUND AND NEUTRAL.
17. MINIMUM CONDUIT SIZE SHALL BE 3/4" UNLESS OTHERWISE INDICATED. CONDUITS LARGER THAN 2" DIAMETER OR CONDUITS OF ANY SIZE ROUTED OUTDOORS SHALL BE INTERMEDIATE METAL CONDUIT (IMC).
18. FLEXIBLE CONDUIT CONNECTIONS TO RECESSED LIGHTING FIXTURES SHALL BE MADE WITH FLEXIBLE STEEL CONDUIT, 3/8 INCH MINIMUM.
19. FINAL CONNECTIONS TO MOTORS SHALL BE MADE WITH LIQUID TIGHT FLEXIBLE STEEL CONDUIT, 1/2 INCH MINIMUM.
20. WIRE NO. 8 AND SMALLER INSTALLED IN DRY LOCATIONS SHALL BE TYPE THWN OR THHN THERMOPLASTIC 600V INSULATED COPPER CONDUCTORS. NO WIRE SMALLER THAN NO.12 SHALL BE USED FOR LIGHTING OR POWER WIRING. WIRE NO. 8 AND LARGER SHALL BE STRANDED. ALL CONDUCTORS INSTALLED IN EXTERIOR OR WET LOCATIONS SHALL BE TYPE THWN 600V INSULATED COPPER CONDUCTORS.
21. ALL NEW CIRCUIT BREAKERS FOR NEW OR EXISTING PANELBOARDS SHALL MATCH EXISTING OR NEW BUILDING STANDARD PANELBOARD MANUFACTURER AND BREAKER TYPE. THE CONTRACTOR SHALL PROVIDE NEW ACCURATE AND DETAILED TYPE WRITTEN PANEL DIRECTORIES PER NEC 408.4 FOR ALL NEW OR MODIFIED PANELS. NUMBERED CIRCUITS ARE FOR CONVENIENCE OF DESIGN ONLY. E.C. TO FIELD VERIFY ACTUAL CIRCUIT NUMBERS USED AND CORRECTLY INDICATE ON "AS-BUILT" DRAWINGS. THE E.C. SHALL REMOVE ALL ABANDONED CIRCUITS.
22. PROVIDE MINIMUM #10 FOR BRANCH CIRCUITS OVER 75' AT 120V AND OVER 150' AT 277V. E.C. TO FIELD VERIFY BRANCH CIRCUIT LENGTHS AND INCREASE CONDUCTOR SIZES AS REQUIRED TO COMPENSATE FOR VOLTAGE DROP.
23. EACH SWITCH, LIGHT, RECEPTACLE AND ALL OTHER DEVICES SHALL BE PROVIDED AND INSTALLED WITH A GALVANIZED OR SHERARDIZED PRESSED STEEL JUNCTION BOX OF NOT LESS THAN NO. 14 U.S. GAUGE STEEL. CONDUITS SHALL BE FASTENED WITH LOCKNUTS AND BUSHINGS AND ALL UNUSED KNOCKOUTS MUST BE LEFT SEALED. THERE MUST BE SUFFICIENT ROOM FOR WIRES AND BUSHINGS AND DEEP BOXES SHALL BE INSTALLED WHERE REQUIRED. BOXES SHALL BE SECURELY AND ADEQUATELY SUPPORTED.
24. ELECTRICAL CONTRACTOR SHALL PROVIDE ALL SPECIAL OUTLET BOXES THAT MAY BE REQUIRED TO ENCLOSE RECEPTACLES.
25. IN SUSPENDED CEILINGS SUPPORT CONDUIT AND JUNCTION BOXES DIRECT FROM THE STRUCTURAL SLAB, DECK, OR FRAMING PROVIDED FOR THAT PURPOSE. LIGHTING BRANCH CIRCUIT CONDUITS SHALL NOT BE CLIPPED TO THE CEILING SUPPORT WIRES OR SPLINE UNLESS THE CEILING SYSTEM HAS BEEN SPECIFICALLY DESIGNED FOR THAT PURPOSE.
26. PROVIDE LOCAL DISCONNECT SWITCHES FOR ALL MOTORS (PLENUM APPROVED WHERE REQUIRED).
27. THE E.C. SHALL INCLUDE IN HIS COST THE REMOVAL OF ALL EXISTING ELECTRICAL DEVICES, CONDUITS, FIXTURES AND EQUIPMENT THAT IS NOT TO BE REUSED. DISCARD ALL EQUIPMENT AS REQUIRED. E.C. SHALL BE RESPONSIBLE FOR DISCONNECTING PRIMARY SERVICE AND TEMPORARY POWER.
28. PROVIDE WARRANTY GUARANTEED FOR A PERIOD OF ONE YEAR AFTER COMPLETION AND ACCEPTANCE. REPLACE ALL DEFECTIVE WORKMANSHIP, EQUIPMENT AND MATERIALS WITHOUT ADDITIONAL CHARGES.
29. THIS CONTRACTOR SHALL BE RESPONSIBLE FOR THE SAFEKEEPING OF HIS/HER OWN PROPERTY ON THE JOB SITE. THE OWNER OR TENANT ASSUMES NO RESPONSIBILITY FOR PROTECTION OF THIS CONTRACTOR'S PROPERTY AGAINST FIRE, THEFT, OR ENVIRONMENTAL CONDITIONS.
30. WHERE CONDUIT, CABLES, DUCTWORK OR PIPING PASSES THROUGH FIRE RATED FLOORS, WALLS, OR PARTITIONS, THE SLEEVES SHALL BE COMPLETELY SEALED WITH A FIRE STOP MATERIAL THAT IS U.L. LISTED (EQUAL TO DOW CORNING) AND ACCEPTED BY THE BUILDING DEPARTMENT AND FIRE DEPARTMENT AS BEING SUITABLE FOR THE SERVICE. THIS MATERIAL SHALL BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S PUBLISHED INSTRUCTIONS IN ORDER TO MAINTAIN THE FIRE RATING OF THE PENETRATED WALL, FLOOR, OR PARTITION. INSTALLATION SHALL BE A THROUGH-PENETRATION FIRESTOP SYSTEM INSTALLED AS TESTED IN ACCORDANCE WITH ASTM AND UL . THE FIRE RATING SHALL MATCH THE RATING OF THE BARRIER BEING PENETRATED.
31. SUBMIT AN ELECTRONIC COPY OR SIX (6) SETS OF SHOP DRAWINGS, CONTROL DIAGRAMS, AND EQUIPMENT CUTS TO THE ENGINEER FOR APPROVAL PRIOR TO STARTING RELATED WORK. SHOP DRAWINGS SHALL INCLUDE MANUFACTURER'S NAMES, CATALOG NUMBERS, CUTS, DIAGRAMS AND OTHER SUCH DESCRIPTIVE DATA AS MAY BE REQUIRED TO IDENTIFY AND REVIEW THE EQUIPMENT. SUBMITTALS SHALL BE IN LOGICAL GROUPS, PARTIAL SUBMITTALS WILL NOT BE REVIEWED.
32. UPON COMPLETION OF CONSTRUCTION, SUPPLY THE ENGINEER WITH ONE COMPLETE SET OF FULL SIZE AS-BUILT DRAWINGS. PROVIDE THE OWNER WITH THREE (3) SETS OF OPERATION AND MAINTENANCE MANUALS FOR EACH TYPE OF EQUIPMENT INSTALLED.
33. THIS CONTRACTOR SHALL ASSUME ALL ADDED EXPENSES TO ALL TRADES ASSOCIATED WITH THE INSTALLATION OF SUBMITTED AND APPROVED ALTERNATE EQUIPMENT.
34. THE CONTRACTOR SHALL COORDINATE THE LAYOUT OF THE FIRE ROOM WITH ALL OTHER DISCIPLINES, ESPECIALLY THE FIRE ALARM AND FIRE PROTECTION DESIGN-BUILD CONTRACTORS PRIOR TO ANY WORK.
35. IF ANY CHANGES ARE MADE TO ACCOMMODATE FIELD CONDITIONS NOTIFY THE ENGINEER IMMEDIATELY OF WHAT THE CHANGES WERE, THE REASON FOR THE CHANGES, AND THE COST IMPACTS.
36. LOCATE ALL ELECTRICAL SWITCHBOARDS, PANELBOARDS AND ELECTRICAL DISTRIBUTION EQUIPMENT IN DEDICATED SPACES AND PROTECTED FROM DAMAGE WITH ADEQUATE WORKING CLEARANCE ACCORDANCE WITH NEC 110 REQUIREMENTS. PROVIDE PROTECTION FROM ANY FOREIGN SYSTEM INSTALLED ABOVE THE DEDICATED EQUIPMENT SPACE PER NEC 110.26(E).
37. SERVICE EQUIPMENT SHALL BE MARKED TO IDENTIFY IT AS BEING SUITABLE FOR USE AS SERVICE EQUIPMENT PER NEC 230.66.
38. ELECTRICAL ROOM DOORS SHALL BE EQUIPPED WITH PANIC BARS, PRESSURE PLATES, OR OTHER DEVICES THAT ARE NORMALLY LATCHED BUT OPEN UNDER SIMPLE PRESSURE IN ACCORDANCE WITH NEC 110.26(C)(3).

FIRE ALARM SYSTEM NOTES

FIRE ALARM SYSTEM IS TO BE DESIGN/BUILD BY THE CONTRACTOR.

CODE COMPLIANCE STATEMENT

THIS PROJECT SHALL COMPLY WITH THE FOLLOWING CODES:

- 2014 NATIONAL ELECTRIC CODE (NEC)
- 2015 INTERNATIONAL ENERGY CONSERVATION CODE (IECC)

ELECTRICAL LEGEND

NOTE: NOT ALL ITEMS APPEAR ON DRAWINGS. SYMBOLS MAY DIFFER FROM EXISTING AND DEMO WORK OR DEVICES REFERENCED OR SYMBOLS USED FROM DRAWINGS BY OTHERS.

POWER AND LIGHTING

- GROUNDED SWITCHED DUPLEX RECEPTACLE
- GROUNDED SPLIT-WIRED RECEPTACLE
- GROUNDED DUPLEX RECEPTACLE
- GROUNDED QUADRAPLEX RECEPTACLE
- SPECIAL PURPOSE RECEPTACLE
- FLOOR/CEILING MOUNTED RECEPTACLE
- JUNCTION BOX
- WALL MOUNTED JUNCTION BOX
- DISCONNECT SWITCH
- FUSED DISCONNECT SWITCH
- THERMAL OVERLOAD SWITCH
- ELECTRICAL PANEL BOARD
- TRANSFORMER
- CIRCUIT 'W' HOMERUN TO PANEL 'X' (ARROWS NOT USED IF CIRCUIT NUMBERS APPEAR NEXT TO DEVICES)
- PORCELAIN LAMP HOLDER
- RECESSED FLUORESCENT LIGHT FIXTURE
- SURFACE MOUNTED FLUORESCENT FIXTURE
- CEILING FIXTURE
- WALL WASHER or ADJUSTABLE DOWNLIGHT
- SINGLE POLE SWITCH, OR 4-POLE
- DIMMER SWITCH
- EXIT SIGN
- EMERGENCY FIXTURE - SHADED
- BATTERY PACK EMERGENCY LIGHT or COMBO EXIT - SEE SCHEDULE
- MOTOR

LOW VOLTAGE SYSTEMS

- TELEPHONE TERMINAL BOARD
- FLOOR/CEILING MOUNTED DATA OUTLET
- FLOOR/CEILING MOUNTED TELEPHONE OUTLET
- DATA OUTLET
- TELEPHONE/DATA OUTLET PROJECT STANDARD
- TELEPHONE OUTLET
- CATV/MONITOR A/V OUTLET
- SPEAKER
- FACP — FIRE ALARM PANEL
- FAA — FIRE ALARM REMOTE ANNUNCIATOR PANEL
- S-SMOKE, T-HEAT DETECTOR
- DUCT FIRE DETECTOR

ABBREVIATIONS

EWC	ELECTRIC WATER COOLER
EF	EXHAUST FAN
GFI	GROUND FAULT INTERRUPTING
AFI	ARC FAULT INTERRUPTING
CCT	CIRCUIT
E.C.	ELECTRICAL CONTRACTOR
AG	ABOVE COUNTER GFI - VERIFY HEIGHT
AC	ABOVE COUNTER - VERIFY HEIGHT
WP	WEATHER PROOF
TTB	TELEPHONE TERMINAL BOARD
AFF	ABOVE FINISH FLOOR
AHJ	AUTHORITY HAVING JURISDICTION
(E)	EXISTING TO REMAIN
(EX)	EXISTING TO BE REMOVED
(ER)	EXISTING TO BE RELOCATED
(R) (RL)	RELOCATE/RELOCATED LOCATION

REFERENCE SYMBOLS

- KEYED NOTE
- EQUIPMENT - SEE SCHEDULE
- FEEDER - SEE SCHEDULE
- TRANSFORMER WITH GROUNDING AND OVERCURRENT DEVICES SEE TRANSFORMER SCHEDULE

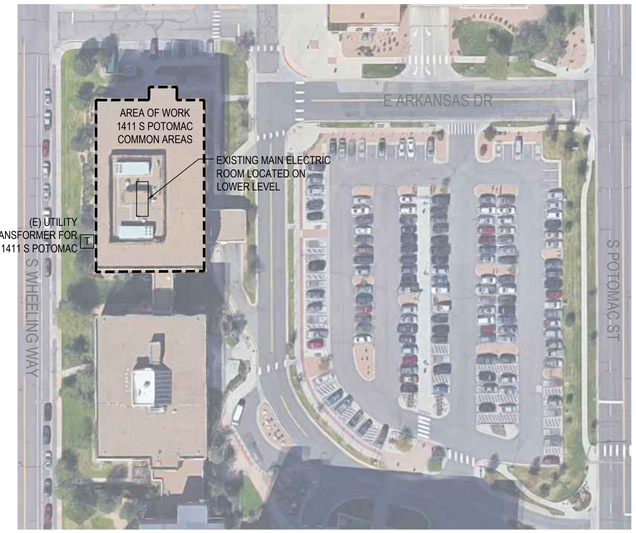
Feeder Schedule

3000/W	8[W-500kcmil, 400kcmil, 3-1/2"C]
2000/W	6[W-400kcmil, 250kcmil, 3"C]
1600/W	5[W-400kcmil, 4/0G, 3"C]
1200/W	4[W-350kcmil, 3/0G, 3"C]
1000/W	3[W-400kcmil, 2/0G, 3"C]
800/W	3[W-300kcmil, 1/0G, 3"C]
750/W	3[W-250kcmil, 1/0G, 3"C]
600/W	2[W-350kcmil, #1G, 3"C]
500/W	2[W-250kcmil, #2G, 3"C]
400/W	2[W-3/0, #3G, 2"C]
350/W	2[W-2/0, #3G, 2"C]
300/W	W-350kcmil, #4G, 3"C
250/W	W-250kcmil, #4G, 3"C
225/W	W-4/0, #4G, 2"C
200/W	W-3/0, #6G, 2"C
175/W	W-2/0, #6G, 2"C
150/W	W-1/0, #6G, 2"C
125/W	W#1, #6G, 1-1/2"C
100/W	W#1, #6G, 1-1/2"C
90/W	W#2, #6G, 1-1/4"C
80/W	W#3, #6G, 1-1/4"C
70/W	W#4, #8G, 1-1/4"C
60/W	W#4, #8G, 1-1/4"C
50/W	W#6, #10G, 1"C
40/W	W#8, #10G, 1"C
30/W	W#10, #10G, 3/4"C
20/W	W#12, #12G, 3/4"C

This table indicates minimum conductor size for feeders of the ampacity indicated where #/W indicates the #-Ampacity and W-numbers of wire, #S/W indicates no ground.
All conductors shall be Copper unless noted as Aluminum 'Al'
*Conductor Ampacities shall be based on table 310.15(B)(16) 60 degree column up to 100 Amps and 75 degree column above 100 Amps unless otherwise permitted by NEC. Ampacity rating shall be selected in accordance NEC 110.14 (C).
The master electrician shall be responsible for ensuring that no feeders or branch circuits are installed in a manner or sized in such a way as to violate the NEC.

Service Ground Table		Equipment Ground Table	
150G	#6	20EG	#12
200G	#4	60EG	#10
300G	#2	100EG	#8
500G	1/0	200-1200A per Above	
800G	2/0	1600EG	4/0
>800G	3/0	2000EG	250kcmil

Service Ground Conductors sized Per NEC Table 250.66
Equipment Ground Conductors sized Per NEC Table 250.122
All conductors shall be Copper unless noted as Aluminum 'Al'
The service ground chart indicates the minimum Service Ground Conductor based on #G where # is the ampacity from the chart above, and the equipment ground chart indicates the minimum equipment grounding conductor size #EG where # is the rating/ setting of the overcurrent device protecting the conductors and equipment.
Where discrepancies occur between the Feeder Schedule Schedule and the Grounding Tables, the larger conductor shall be used unless otherwise permitted by the NEC
The installation shall meet all NEC 250 grounding and bonding requirements including 250.4 Path for Fault Current. Provide complete raceway systems metallically joined, connected, and fittings as required for electrical continuity per NEC 300.10



PROJECT NORTH

2 / E0.0 PROXIMITY PLAN

SCALE: NTS

GENERAL NOTES:

1. PLAN SHOWN FOR REFERENCE ONLY. E.C. SHALL FIELD VERIFY EXISTING CONDITIONS.

Code violations that are found during inspection are required to be corrected. Permit issuance does not grant approval of a code violation.

Failure to follow approved plans may result in an hourly fee to review the field changes for code compliance.

LUMINAIRE SCHEDULE February 13, 2017

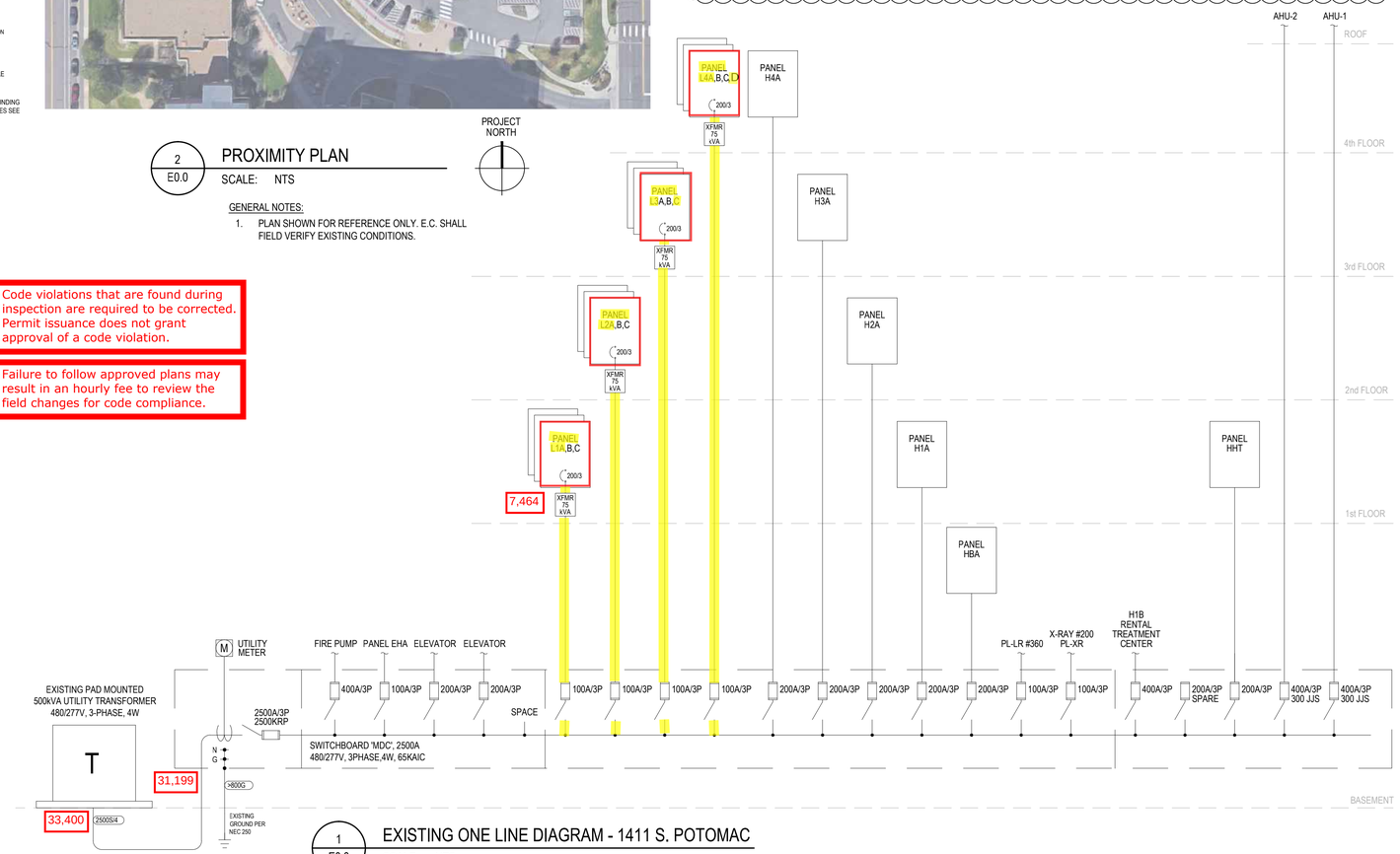
Label	Light Fixture Description	Specification	Lamping	Voltage	Mounting	Comment
Interior Lighting						
A	2'x2' Recessed Troffer Acrylic Lens, LED	Orion OLRL-035L-L-UNV-FDX-835-22-1P-CT-M-LF	32W LED 3500K/80CRI	120/277	Recessed	1
AEM	2'x2' Recessed Troffer Acrylic Lens, LED with Battery Back-up	Orion LDRA-U-22-B-35	32W LED 3500K/80CRI	120/277	Recessed	1
D	8" Dimmable LED Downlight 2000 Lumen LED with Frame-In Kit	Sylvania 72504, Lithonia LED/RT8/2000/835, RV8RGIN	27W LED 3500K/82CRI	120/277	Recessed	1
P	30" LED Drum Pendant Decorative, Light Silver Finish	Winona WFP6100 30DIA LDP1A 35K MVOLT ID LSP	63.8W LED 3500K/81CRI	120/277	Suspended Verify Mounting	1
ST	Stairwell Light - Self-Powered with Occupancy Sensor and Step-Dimming	Lithonia Lighting WL4 30L EZ1 LP840 NES7 DIM50 EL7L	28.2W LED 4000K/82CRI	120/277	Surface	
WS	Wall Sconce Decorative, Chrome, Dimmable, LED	George Kovacs - Provided by Owner P5040-077-L	10W LED Max	120	Surface Verify Mounting	1
Emergency Lighting						
X	Surface Mount Edge-Lit LED Exit Sign with 90-Minute Battery Pack	NaviLite NXESBA	5W LED Included	120/277	Surface 18' on Center	

NOTES: Apply to all fixtures where applicable

1. EMERGENCY FIXTURES - All Fixtures Indicated as Emergency shall be provided with a 90-Minute Battery Pack with minimum 1300 Lumen output.
2. VERIFY VOLTAGES - The E.C. shall verify voltages on drawings prior to ordering or any work, the engineer shall be notified of any discrepancies in the voltage of the circuiting on the drawings and the luminaire schedule prior to any purchase or work.
3. VERIFY LAMPING - The E.C. shall verify lamping with the manufacturer prior to ordering and notify the engineer of any lamping discrepancies.
4. PROVIDE A COMPLETE INSTALLATION - The E.C. shall provide all labor and material to provide a complete and functional system per the design intent as dictated by the switching type and location (including dimmer switches and compatible ballasts or transformers), ceiling type and location, circuiting, voltages, and lamping types.
5. BALLAST DISCONNECT - All electric discharge luminaires shall comply with NEC 410.130 and shall have a means of disconnect for the ballast.
6. DUAL LEVEL SWITCHING - For fixtures with more than one switch designation shown on plans provide fixtures with additional ballasts for dual level light control by separate switching of inboard and outboard lamps as required to conform to IECC Requirements.
7. OWNER APPROVAL - Approve all light fixture types with tenant/owner before ordering any materials or any work.

COMMENTS: Apply to specific fixture types as noted on schedule

1. 0-12V Dimming - Provide low voltage wiring between all fixtures and low-voltage wallbox dimmer. Verify requirements with provider and provide all work required for a complete installation.



1 / E0.0 EXISTING ONE LINE DIAGRAM - 1411 S. POTOMAC

SCALE: NTS

ONE LINE DIAGRAM GENERAL NOTES:

1. E.C. TO FIELD VERIFY EXISTING CONDITIONS
2. ALL EQUIPMENT IS EXISTING - NO NEW WORK.
3. ALL EXTERIOR EQUIPMENT TO BE WEATHERPROOF
4. FIELD VERIFY INSTALLATION REQUIREMENTS WITH UTILITY PRIOR TO ANY ROUGH-IN.
5. THE E.C. SHALL PROVIDE LABELING OF ALL DISCONNECTING MEANS IN ACCORDANCE WITH NEC 110.22:
   - 5.a. PROVIDE LABEL ON EACH DISCONNECTING MEANS PER NEC 110.22(A)
   - 5.b. SERVICE EQUIPMENT SHALL BE LABELED WITH THE MAXIMUM AVAILABLE FAULT CURRENT AND DATE PER NEC 110.24(A).
   - 5.c. WHERE ANY SERIES RATED COMBINATION SYSTEMS ARE UTILIZED, PROVIDE LABEL ON EQUIPMENT CLOSURE INDICATING THE SERIES RATED SYSTEM COMPONENTS INCLUDING FUSE AND BREAKER TYPES AND RATINGS IN ACCORDANCE WITH NEC 110.22(B) AND 110.22(C): CAUTION – SERIES COMBINATION SYSTEM RATED ____ AMPERES. IDENTIFIED REPLACEMENT COMPONENTS REQUIRED.

FAULT CURRENT CALCULATION TABLE February 8, 2017

500 kVA Utility Transformer — VOLTAGE 480 — AVAILABLE FAULT CURRENT (F) 33,400

LOCATION (n)	# of RUNS	CONDUCTOR	VOLTAGE	L(ft)	C	Total C	f	M	F
2500A Main	8	500	480	125	26,706	213,648	0.07	0.93	**31,202**
Panels L1A,L1B,L1C				Secondary of a 75kVA Transformer with Minimum %Z=2.50%					**8,333**
Panels L2A,2B,L2C				Secondary of a 75kVA Transformer with Minimum %Z=2.50%					**8,333**
Panels L3A,L3B,L3C				Secondary of a 75kVA Transformer with Minimum %Z=2.50%					**8,333**
Panels L4A,L4B,L4C,L4D				Secondary of a 75kVA Transformer with Minimum %Z=2.50%					**8,333**

NOTES:

1. All Calculations use Bussman "Point-To-Point" Method.
2. Variables: L=Feeder Length (LF); C=Conductor "C" Value; M(n) =1 ÷ (1+f(n)); f(n) = (1.73 x L x F(n-1))/(C x # of runs x Voltage) in Amperes; F(n)=F(n-1) x M(n)
3. The E.C. shall report any discrepancies to the Engineer.
4. Conductor lengths shall not be less than the values listed. The E.C. shall field verify conductor lengths and contact engineer immediately if conductor lengths are less than the values shown.
5. Conductor Lengths listed in this table are for fault study purposes only and shall not be used for bidding or other calculations.
6. All in-line Utility Meters shall be protected to limit the Fault Current to no more than 10kA at the Meter per the Utility Company requirements.
7. Label and date available fault current value at the main service disconnect per NEC 110.24(A)
8. Provide Arc-Flash Hazard study and labeling for personnel and protective equipment prior to energizing equipment per NEC 110.16 and NFPA 70E.

City of Aurora Building Division
Reviewed for Code Compliance
Approved as Noted: *W. Griffin*
Date: *Mar 27, 2017*
2015 INTERNATIONAL CODES & 2014 NEC

RSN: *1186837*
Permit #: *17-1253295 LT*

MEDICAL CENTER I FOR HCP
1411 S POTOMAC STREET

AURORA, COLORADO 80012

d.keller
D.Keller Electrical Design
7498 West Layton Place
Littleton, Colorado 80123
303.918.9475
Dwm@dkellereng.com

ISSUED FOR:	DATE:
CONSTRUCTION	01.12.17
ADDENDUM #1	02.10.17

PROJECT: DK16.012.1411

COLORADO LICENSED PROFESSIONAL ENGINEER — 41304

1411 S POTOMAC ST ONELINE, NOTES AND SCHEDULES

E0.0

COM*check* Software Version 4.0.2.0

Interior Lighting Compliance Certificate

Project Information

Energy Code: 2015 IECC
Project Title: Medical Center I for HCP
Project Type: New Construction

Construction Site:
1411 S Potomac Street
Aurora, CO 80012

Owner/Agent:

Designer/Contractor:
Dawn Keller
D.Keller Electrical Design
7498 West Layton Place
Littleton, CO 80123
303.918.9475
Dawn@dkellereng.com

Additional Efficiency Package

High efficiency HVAC. Systems that do not meet the performance requirement will be identified in the mechanical requirements checklist report.

Allowed Interior Lighting Power

A Area Category	B Floor Area (ft2)	C Allowed Watts / ft2	D Allowed Watts (B X C)
1-1411 First Floor Common Areas (Health Care-Clinic)	2020	0.90	1818
2-1411 Second Floor Common Areas (Health Care-Clinic)	1720	0.90	1548
3-1411 Third Floor Common Areas (Health Care-Clinic)	1415	0.90	1274
4-1411 Fourth Floor Common Areas (Health Care-Clinic)	1525	0.90	1372
		Total Allowed Watts =	6012

Proposed Interior Lighting Power

A Fixture ID : Description / Lamp / Wattage Per Lamp / Ballast	B Lamps/ Fixture	C # of Fixtures	D Fixture Watt.	E (C X D)
1-1411 First Floor Common Areas (Health Care-Clinic)				
LED 1: A,AEM: 2'x2' Troffer: Other:	1	19	32	608
LED 13: D: 6" Downlight: Other:	1	26	27	702
LED 21: P: Pendant: Other:	3	1	64	64
LED 23: WS: Wall Sconce: Other:	1	2	10	20
2-1411 Second Floor Common Areas (Health Care-Clinic)				
LED 1 copy 1: A,AEM: 2'x2' Troffer: Other:	1	17	32	544
LED 13 copy 1: D: 6" Downlight: Other:	1	20	27	540
LED 23 copy 1: WS: Wall Sconce: Other:	1	2	10	20
3-1411 Third Floor Common Areas (Health Care-Clinic)				
LED 1 copy 2: A,AEM: 2'x2' Troffer: Other:	1	10	32	320
LED 13 copy 2: D: 6" Downlight: Other:	1	20	27	540
LED 23 copy 2: WS: Wall Sconce: Other:	1	2	10	20
4-1411 Fourth Floor Common Areas (Health Care-Clinic)				
LED 1 copy 3: A,AEM: 2'x2' Troffer: Other:	1	10	32	320
LED 13 copy 3: D: 6" Downlight: Other:	1	20	27	540
LED 23 copy 3: WS: Wall Sconce: Other:	1	2	10	20
			Total Proposed Watts =	4258

Interior Lighting PASSES: Design 29% better than code

Interior Lighting Compliance Statement

Compliance Statement: The proposed interior lighting design represented in this document is consistent with the building plans, specifications, and other calculations submitted with this permit application. The proposed interior lighting systems have been designed to meet the 2015 IECC requirements in COM*check* Version 4.0.2.0 and to comply with the mandatory requirements listed in the Inspection Checklist.

Dawn Keller — Name - Title
Signature
02.07.17 — Date

Service equipment shall be permanently and legibly marked to show the available fault current and date.
2014 NEC 110.24(A)(B).

Legibly identify each breaker or switch for it's use or purpose on the circuit directory in the panel/switchboard per 2014 NEC 408.4.

PANEL SCHEDULE: L4D

February 8, 2017

BUS RATING: 60 Amperes 3Ø, 4-WIRE
MAIN C.B.: or M.L.O: 60A
MOUNTING: Surface
COMMENTS: New Panelboard

VOLTAGE L-L: 208
VOLTAGE L-G: 120
S.C. RMS RATING (AIC): 10,000

NO.	AMPS	POLE	LOAD (VA)	NEC Demand	LOAD DESCRIPTION	Phase	LOAD DESCRIPTION	NEC Demand	LOAD (VA)	POLE	AMPS	NO.
1	20	1	1200	1.00	Auto Door Operator	A	Floor Directory	1.00	500	1	20	2
3	20	1	1200	1.00	Auto Door Operator	B	Bussed Space					4
5					Bussed Space	C	Bussed Space					6
7	20	1	500	1.00	Auto Door Controls	A	Bussed Space					8
9					Bussed Space	B	Bussed Space					10
11	30	2	1050	1.00	Film Proc Ste 400	C	Bussed Space					12
13	30	2	1050	1.00	Film Proc Ste 400	A	Bussed Space					14
15					Bussed Space	B	Bussed Space					16
17	20	1	500	1.00	Film Rm Suite 400	C	Bussed Space					18

CONNECTED LOAD:
PHASE A (VA): 3,250
PHASE B (VA): 1,200
PHASE C (VA): 1,550
TOTAL LOAD (VA): 6,000

CALCULATED DEMAND LOAD:
PHASE A (VA): 3,250
PHASE B (VA): 1,200
PHASE C (VA): 1,550
CALCULATED DEMAND LOAD (VA): 6,000 **16.65 A**

NOTES:
1. Not Used.

City of Aurora Building Division
Reviewed for Code Compliance
Approved as Noted: *W. Griffin*
Date: *Mar 27, 2017*
2015 INTERNATIONAL CODES & 2014 NEC

RSN: *1186837*
Permit #: *17-1253295 LT*

MEDICAL CENTER I FOR HCP
1411 S POTOMAC STREET
AURORA, COLORADO 80012

d.keller
D.Keller Electrical Design
7498 West Layton Place
Littleton, Colorado 80123
303.918.9475
Dawn@dkellereng.com

ISSUED FOR:	DATE:
CONSTRUCTION	01.12.17
ADDENDUM #1	02.10.17

PROJECT: DK16.012.1411

COLORADO LICENSED
DIMITRIOS T. VARVING
41304
PROFESSIONAL ENGINEER

1411 S POTOMAC ST
COMCHECK

E0.1

Legibly identify each breaker or switch for it's use or purpose on the circuit directory in the panel/switchboard per 2014 NEC 408.4.

Install electrical connections per 2014 NEC 110.14, identify disconnects per 2014 NEC 110.22 and provide working space around electrical equipment per 2014 NEC 110.26.

Wiring in air handling spaces must comply with 2014 NEC 300.22. Firestop penetrations per 2014 NEC 300.21. Secure and support equipment per 2014 NEC 300.11.

Provide emergency illumination equipment that complies with 2014 NEC 700.12 (F) or 2014 NEC 700.

PANEL SCHEDULE: L1C

January 23, 2017

BUS RATING: 200 Amperes 3Ø, 4-WIRE
MAIN C.B.: ____ or M.L.O: 200A
MOUNTING: Surface
COMMENTS: Existing Panelboard

VOLTAGE L-L: 208
VOLTAGE L-G: 120
S.C.RMS RATING (AIC): 10,000

NO.	AMPS	POLE	LOAD (VA)	NEC Demand	LOAD DESCRIPTION	Phase	LOAD DESCRIPTION	NEC Demand	LOAD (VA)	POLE	AMPS	NO.
1	20	1	500	1.00	Existing Load	A	FA,DAC	1.00	500	1	20	2
3	20	1	500	1.00	Existing Load	B	Existing Load	1.00	500	1	20	4
5	20	1	500	1.00	Existing Load	C	Existing Load	1.00	500	1	20	6
7	20	1	500	1.00	Existing Load	A	Existing Load	1.00	500	1	20	8
9	20	1	500	1.00	Existing Load	B	Existing Load	1.00	500	1	20	10
11	20	1	500	1.00	Existing Load	C	Existing Load	1.00	500	1	20	12
13	20	1	500	1.00	Existing Load	A	Bussed Space					14
15					Bussed Space	B	Bussed Space					16
17					Bussed Space	C	Bussed Space					18
19					Bussed Space	A	Bussed Space					20
21					Bussed Space	B	Bussed Space					22
23					Bussed Space	C	Bussed Space					24
25					Bussed Space	A	Bussed Space					26
27					Bussed Space	B	Bussed Space					28
29					Bussed Space	C	Bussed Space					30
31					Bussed Space	A	Bussed Space					32
33					Bussed Space	B	Bussed Space					34
35					Bussed Space	C	Bussed Space					36
37					Bussed Space	A	Bussed Space					38
39					Bussed Space	B	Bussed Space					40
41					Bussed Space	C	Bussed Space					42

CONNECTED LOAD:
PHASE A (VA): 2,500
PHASE B (VA): 2,000
PHASE C (VA): 2,000
TOTAL LOAD (VA): 6,500

CALCULATED DEMAND LOAD:
PHASE A (VA): 2,500
PHASE B (VA): 2,000
PHASE C (VA): 2,000
CALCULATED DEMAND LOAD (VA): 6,500 **18.04 A**

NOTES:
1. No new work - shown for reference only

PANEL SCHEDULE: L1B

January 23, 2017

BUS RATING: 200 Amperes 3Ø, 4-WIRE
MAIN C.B.: ____ or M.L.O: 200A
MOUNTING: Surface
COMMENTS: Existing Panelboard

VOLTAGE L-L: 208
VOLTAGE L-G: 120
S.C.RMS RATING (AIC): 10,000

NO.	AMPS	POLE	LOAD (VA)	NEC Demand	LOAD DESCRIPTION	Phase	LOAD DESCRIPTION	NEC Demand	LOAD (VA)	POLE	AMPS	NO.
1	20	1	540	1.00	Waiting Room Recepts	A	Spare			1	20	2
3	20	1	720	1.00	Reception Recepts	B	Spare			1	20	4
5	20	1	540	1.00	Blood Draw Recepts	C	Spare			1	20	6
7	20	1	540	1.00	Exam Room Recepts	A	Spare			1	20	8
9	20	1	720	1.00	Office Recepts	B	Spare			1	20	10
11	20	1	540	1.00	Exam Room Recepts	C	Existing Load	1.00	500	1	20	12
13	20	1	720	1.00	Office Recepts	A	Existing Load	1.00	500	1	20	14
15	20	1	500	1.00	Existing Load	B	Existing Load	1.00	500	1	20	16
17	20	1	500	1.00	Existing Load	C	Existing Load	1.00	500	1	20	18
19	20	1	500	1.00	Existing Load	A	Existing Load	1.00	500	1	20	20
21	20	1	500	1.00	Existing Load	B	Bussed Space					22
23	30	2	1248	1.00	Heater - Entry	C	Bussed Space					24
25	30	2	1248	1.00	Heater - Entry	A	Bussed Space					26
27					Bussed Space	B	Bussed Space					28
29					Bussed Space	C	Bussed Space					30
31					Bussed Space	A	Bussed Space					32
33					Bussed Space	B	Bussed Space					34
35					Bussed Space	C	Bussed Space					36
37					Bussed Space	A	Bussed Space					38
39					Bussed Space	B	Bussed Space					40
41					Bussed Space	C	Bussed Space					42

CONNECTED LOAD:
PHASE A (VA): 4,548
PHASE B (VA): 2,940
PHASE C (VA): 3,828
TOTAL LOAD (VA): 11,316

CALCULATED DEMAND LOAD:
PHASE A (VA): 4,548
PHASE B (VA): 2,940
PHASE C (VA): 3,828
CALCULATED DEMAND LOAD (VA): 11,316 **31.41 A**

NOTES:
1. No new work - shown for reference only

PANEL SCHEDULE: L1A

February 8, 2017

BUS RATING: 200 Amperes 3Ø, 4-WIRE
MAIN C.B.: 200A MLO or M.L.O: ____
MOUNTING: Surface
COMMENTS: Existing Panelboard

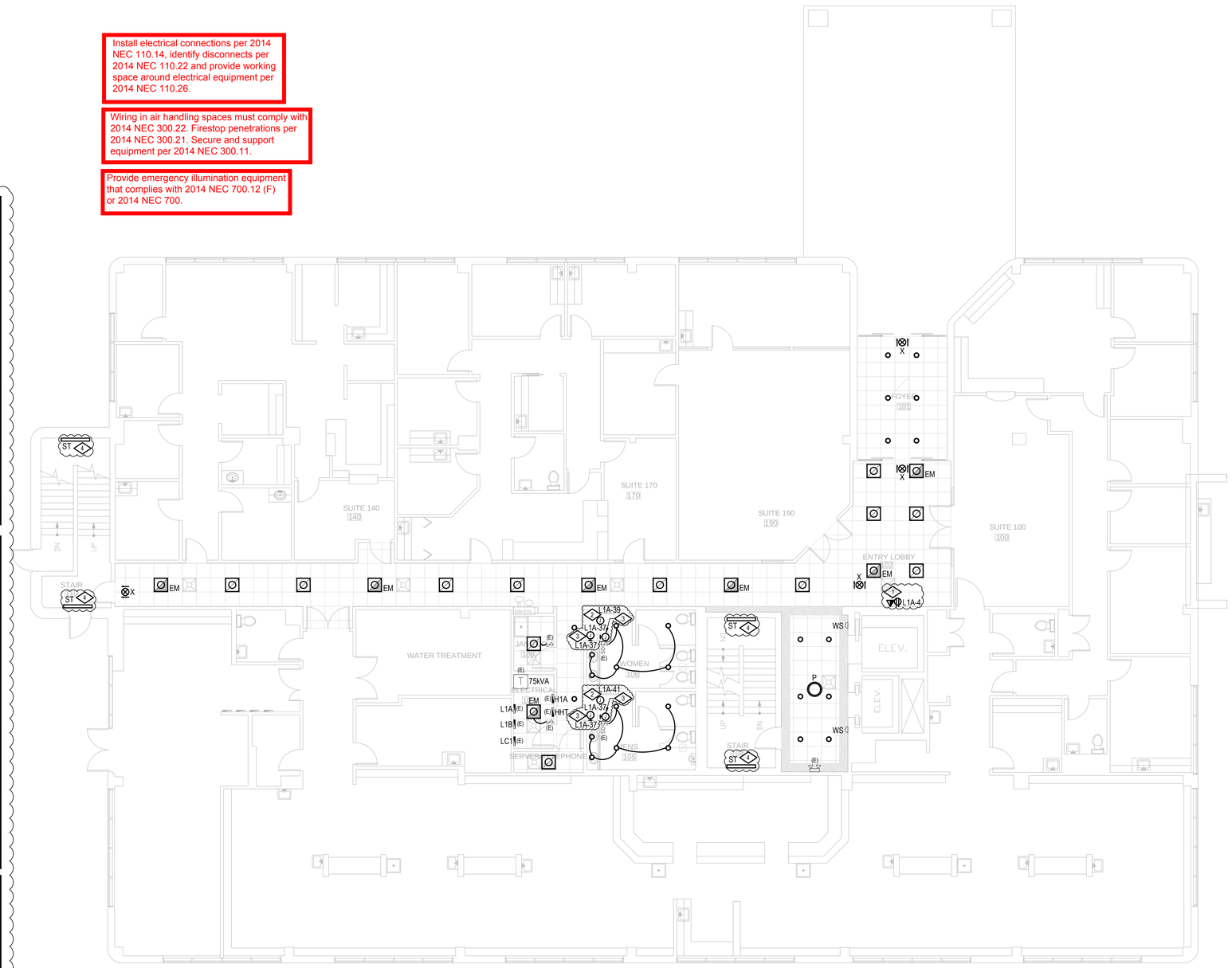
VOLTAGE L-L: 208
VOLTAGE L-G: 120
S.C.RMS RATING (AIC): 10,000

NO.	AMPS	POLE	LOAD (VA)	NEC Demand	LOAD DESCRIPTION	Phase	LOAD DESCRIPTION	NEC Demand	LOAD (VA)	POLE	AMPS	NO.
1	20	1	540	1.00	Hall Recepts	A	Restroom Recepts	1.00	360	1	20	2
3	20	1	500	1.00	Drinking Fountain	B	**Building Directory**	**1.00**	**500**	**1**	**20**	4
5	20	1	500	1.00	Existing Load	C	Water Heater	1.00	832	1	20	6
7	20	1	500	1.00	Existing Load	A	Water Heater	1.00	832	1	20	8
9	20	1	500	1.00	Existing Load	B	Suite 109 Recepts	1.00	540	1	20	10
11	20	1	500	1.00	Existing Load	C	Suite 109 Recepts	1.00	720	1	20	12
13	20	1	500	1.00	Existing Load	A	Suite 109 Recepts	1.00	360	1	20	14
15	20	1	500	1.00	Existing Load	B	Suite 109 Recepts	1.00	720	1	20	16
17	20	1	500	1.00	Existing Load	C	Suite 109 Recepts	1.00	900	1	20	18
19	20	1	500	1.00	Existing Load	A	Suite 109 Recepts	1.00	540	1	20	20
21	20	1	500	1.00	Existing Load	B	Suite 109 Recepts	1.00	540	1	20	22
23	20	1	500	1.00	Existing Load	C	Suite 109 Recepts	1.00	540	1	20	24
25	20	1	500	1.00	Existing Load	A	Suite 109 Recepts	1.00	720	1	20	26
27	20	1	500	1.00	Existing Load	B	Suite 109 Recepts	1.00	720	1	20	28
29	20	1	500	1.00	Existing Load	C	Suite 109 Recepts	1.00	540	1	20	30
31	30	2	1248	1.00	Existing Load	A	Suite 109 Recepts	1.00	540	1	20	32
33	30	2	1248	1.00	Existing Load	B	Suite 109 Recepts	1.00	360	1	20	34
35					Bussed Space	C	Suite 109 Recepts	1.00	900	1	20	36
37	**20**	**1**	**500**	**1.00**	**Auto Door Controls**	A	Suite 109 Recepts	1.00	360	1	20	38
39	**20**	**1**	**1200**	**1.00**	**Auto Door Operator**	B	Suite 109 Recepts	1.00	360	1	20	40
41	**20**	**1**	**1200**	**1.00**	**Auto Door Operator**	C	Suite 109 Recepts	1.00	540	1	20	42
			4548	1.00	Panel L1C	A	Panel L1C	1.00	2500			
			2940	1.00	Panel L1B	B	Panel L1C	1.00	2000			
			3828	1.00	Panel L1B	C	Panel L1C	1.00	2000			

CONNECTED LOAD:
PHASE A (VA): 15,048
PHASE B (VA): 13,628
PHASE C (VA): 14,500
TOTAL LOAD (VA): 43,176

CALCULATED DEMAND LOAD:
PHASE A (VA): 15,048
PHASE B (VA): 13,628
PHASE C (VA): 14,500
CALCULATED DEMAND LOAD (VA): 43,176 **119.85 A**

NOTES:
1. New work shown in BOLD



POWER PLAN GENERAL NOTES:

1. PROVIDE OUTLET WITHIN 25' OF EQUIPMENT IN ACCORDANCE WITH NEC 210-63. PROVIDE WEATHERPROOF GFI OUTLET ON ROOFTOPS WITHIN 25' OF ROOFTOP EQUIPMENT.
2. ALL EXTERIOR RECEPTACLES SHALL BE WEATHER RESISTANT AND ENCLOSED IN A WEATHERPROOF EXTRA DUTY ENCLOSURE WHILE IN USE IN ACCORDANCE WITH NEC 406.9
3. FIELD VERIFY FINAL LOCATION OF ALL EQUIPMENT WITH PROVIDER PRIOR TO ROUGH-IN.
4. ALL RECEPTACLES IN BATHROOMS, KITCHENS, ROOFTOPS, OUTDOORS, AND WITHIN 6FT. OF A SINK SHALL BE GFCI (OR SERVED BY A GFI CIRCUIT BREAKER) PER NEC 210.8(B) AND 406.9(B). THE E.C. SHALL PROVIDE GFCI OUTLETS (OR CIRCUIT BREAKERS) IN ALL LOCATIONS REQUIRED BY THE NEC. PROVIDE GFCI TEST SWITCH (OR GFCI BREAKER) IN READILY ACCESSIBLE LOCATION PER NEC.
5. NUMBERS NEXT TO DEVICES REFER TO CIRCUIT DESIGNATION IN FIRST FLOOR PANEL AS NOTED.
6. ALL TELE/DATA LOCATIONS SHALL INCLUDE 4" SQUARE J-BOX AND 3/4" CONDUIT TO CEILING SPACE. ALL TELEPHONE/DATA CABLE IS TO BE PLENUM RATED WIRE OR SHALL BE INSTALLED IN CONDUIT ABOVE CEILING OR IN WALLS.
7. PROVIDE ALL DEMOLITION WORK AS REQUIRED TO ACCOMMODATE THE NEW WORK AS INDICATED ON THE ELECTRICAL PLANS. FIELD VERIFY EXISTING CONDITIONS. PROVIDE ANY ADDITIONAL WORK NECESSARY AS REQUIRED TO PRESERVE EXISTING DEVICES AND BRANCH CIRCUIT COMPONENTS TO REMAIN. REFER TO THE ARCHITECTURAL PLANS FOR DEMOLITION SCOPE OF WORK AND VISIT THE SITE PRIOR TO BID TO DETERMINE THE ELECTRICAL SCOPE OF WORK REQUIRED.

1 / E1.0

ELECTRICAL PLAN - 1411 FIRST FLOOR

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

Project North

LIGHTING PLAN GENERAL NOTES:

1. CONNECT EGRESS LIGHTING FIXTURES AND EXIT SIGNS TO AREA LIGHTING CIRCUIT AHEAD OF ANY SWITCH PER NEC 700-12(F) INCLUDING ANY NIGHT LIGHTS. FIXTURES SHOWN SHADED OR LABELED ARE EMERGENCY EGRESS (EM) WITH BATTERY PACK, NIGHT LIGHT (NL) OR BOTH (EM/NL).
2. 2x2 LIGHT FIXTURES ARE TYPE 'A' AND DOWNLIGHTS ARE TYPE 'D' UNLESS NOTED.
3. EXIT SIGNS TYPE 'X' AND/OR 'XEM' AND EGRESS LIGHTS TYPE 'EM' SHALL BE NEW WITH EMERGENCY BATTERY PACK, MATCH EXISTING BUILDING STANDARD FIXTURES.
4. PROVIDE NEUTRAL AND GROUND CONDUCTORS THROUGHOUT ALL LIGHTING BRANCH CIRCUITS INCLUDING ALL SWITCH OR LIGHTING CONTROL DEVICE LOCATIONS IN ACCORDANCE WITH NEC.
5. CONNECT NEW LIGHT FIXTURES TO EXISTING CORRIDOR LIGHTING CIRCUIT AND CONTROLS. FIELD VERIFY EXISTING CONDITIONS.

2 ELECTRICAL PLAN KEYED NOTES:

1. TOUCH SCREEN DIRECTORY - PROVIDE 120V DUPLEX OUTLET TO BE FLUSH-MOUNTED BEHIND CABINET AND CAT5 DATA CABLE WITH RJ-45 CONNECTOR AS REQUIRED IN CEILING AND PROVIDE RACEWAY TO VIDEO SOURCE. FIELD VERIFY REQUIREMENTS WITH TENANT AND EQUIPMENT PROVIDER. FIELD VERIFY FINAL LOCATION WITH ARCHITECT PRIOR TO ANY ROUGH-IN.
2. AUTOMATIC DOOR OPERATOR - PROVIDE 120V 15A 3-WIRE POWER CONNECTION AT THE SIDE JAMB OF THE DOOR WITH A MINIMUM OF 12" OF WIRE AVAILABLE TO CONNECT TO THE AUTOMATIC DOOR OPERATOR. PROVIDE DEDICATED CIRCUIT WITH DEDICATED GROUND AND NEUTRAL CONDUCTOR. FIELD VERIFY REQUIREMENTS WITH PROVIDER PRIOR TO ROUGH-IN OR ANY WORK
3. AUTOMATIC DOOR CONTROL BOX - PROVIDE J-BOX AND DATA RACEWAY AT EACH EXTERIOR DOOR, ONE INSIDE AND ONE OUTSIDE, FOR AUTOMATIC DOOR OPERATOR, CONTROLS AND HARDWARE. FIELD VERIFY REQUIREMENTS WITH TENANT/PROVIDER PRIOR TO INSTALLATION.
4. STAIRWELL LIGHT FIXTURES - PROVIDE STAIRWELL LIGHT FIXTURE WITH OCCUPANCY SENSOR. STAIRWELL FIXTURES SHALL REMAIN ILLUMINATED AT ALL TIMES, BUT WILL DIM TO 50% WHEN THE STAIRWELL IS NO OCCUPIED. CONNECT NEW LIGHT FIXTURES TO EXISTING STAIRWELL LIGHTING CIRCUIT. FIELD VERIFY EXISTING CONDITIONS.

City of Aurora Building Division
Reviewed for Code Compliance
Approved as Noted: *W. Griffin*
Date: *Mar 27, 2017*
2015 INTERNATIONAL CODES & 2014 NEC

RSN: *1186837*
Permit #: *17-1253295 LT*

MEDICAL CENTER I FOR HCP
1411 S POTOMAC STREET

AURORA, COLORADO 80012

d.keller
D.Keller Electrical Design
7498 West Layton Place
Littleton, Colorado 80123
303.918.9475
Dawn@dkellereng.com

ISSUED FOR:	DATE:
CONSTRUCTION	01.12.17
ADDENDUM #1	02.10.17

PROJECT: DK16.012.1411

COLORADO LICENSED PROFESSIONAL ENGINEER 41304

1411 S POTOMAC ST
FIRST FLOOR
ELECTRICAL PLAN

E1.0

Legibly identify each breaker or switch for it's use or purpose on the circuit directory in the panel/switchboard per 2014 NEC 408.4.

Install electrical connections per 2014 NEC 110.14, identify disconnects per 2014 NEC 110.22 and provide working space around electrical equipment per 2014 NEC 110.26.

Wiring in air handling spaces must comply with 2014 NEC 300.22. Firestop penetrations per 2014 NEC 300.21. Secure and support equipment per 2014 NEC 300.11.

Provide emergency illumination equipment that complies with 2014 NEC 700.12 (F) or 2014 NEC 700.

PANEL SCHEDULE: L2C

January 23, 2017

BUS RATING: 200 Amperes 3Ø, 4-WIRE
MAIN C.B.: _____ or M.L.O: 200A
MOUNTING: Surface
COMMENTS: Existing Panelboard

VOLTAGE L-L: 208
VOLTAGE L-G: 120
S.C.RMS RATING (AIC): 10,000

NO.	AMPS	POLE	LOAD (VA)	NEC Demand	LOAD DESCRIPTION	Phase	LOAD DESCRIPTION	NEC Demand	LOAD (VA)	POLE	AMPS	NO.
1	20	1	500	1.00	Existing Load	A	Existing Load	1.00	500	1	20	2
3	20	1	500	1.00	Existing Load	B	Existing Load	1.00	500	1	20	4
5	20	1	500	1.00	Existing Load	C	Bussed Space					6
7	20	1	500	1.00	Existing Load	A	Rec 200 (Dr Off 4,5,6)	1.00	1080	1	20	8
9	20	1	500	1.00	Existing Load	B	Existing Load	1.00	500	1	20	10
11	20	1	500	1.00	Existing Load	C	Rec 200 (Labs)	1.00	540	1	20	12
13	20	1	500	1.00	Existing Load	A	Rec 200 (Nurse Alcove)	1.00	540	1	20	14
15	20	1	500	1.00	Existing Load	B	Dishwasher 200	1.00	650	1	20	16
17	20	1	500	1.00	Existing Load	C	Lounge Rec 200	1.00	540	1	20	18
19	20	1	500	1.00	Existing Load	A	Microwave 200	1.00	1200	1	20	20
21	20	1	500	1.00	Existing Load	B	Disposal 200	1.00	1176	1	20	22
23	20	1	500	1.00	Existing Load	C	Refrigerator 200	1.00	750	1	20	24
25	20	1	500	1.00	Existing Load	A	Phone Rec 200	1.00	360	1	20	26
27	20	1	540	1.00	Rec 200 (Exam Rm 4)	B	Bussed Space					28
29	20	1	540	1.00	Rec 200 (Inf Exam Rm)	C	Bussed Space					30
31	20	1	500	1.00	Existing Load	A	Bussed Space					32
33					Bussed Space	B	Bussed Space					34
35					Bussed Space	C	Bussed Space					36
37					Bussed Space	A	Bussed Space					38
39	20	1	500	1.00	Copier 200	B	Bussed Space					40
41					Bussed Space	C	Bussed Space					42

CONNECTED LOAD:
PHASE A (VA): 6,680
PHASE B (VA): 5,866
PHASE C (VA): 4,370
TOTAL LOAD (VA): 16,916

CALCULATED DEMAND LOAD:
PHASE A (VA): 6,680
PHASE B (VA): 5,866
PHASE C (VA): 4,370
CALCULATED DEMAND LOAD (VA): 16,916 **46.96 A**

NOTES:
1. No new work - shown for reference only

PANEL SCHEDULE: L2B

January 20, 2017

BUS RATING: 200 Amperes 3Ø, 4-WIRE
MAIN C.B.: _____ or M.L.O: 200A
MOUNTING: Surface
COMMENTS: Existing Panelboard

VOLTAGE L-L: 208
VOLTAGE L-G: 120
S.C.RMS RATING (AIC): 10,000

NO.	AMPS	POLE	LOAD (VA)	NEC Demand	LOAD DESCRIPTION	Phase	LOAD DESCRIPTION	NEC Demand	LOAD (VA)	POLE	AMPS	NO.
1	20	1	540	1.00	Receptsl 290	A	Existing Load	1.00	500	1	20	2
3	20	1	540	1.00	Receptsl 291	B	Phone Board 200	1.00	360	1	20	4
5	20	1	540	1.00	Receptsl 292	C	Existing Load	1.00	500	1	20	6
7	20	1	540	1.00	Receptsl 293	A	Break Rm Rec 200	1.00	360	1	20	8
9	20	1	540	1.00	Receptsl 294	B	Break Rm Rec 200	1.00	360	1	20	10
11	20	1	540	1.00	Receptsl 295	C	TF IT Room 200	1.00	360	1	20	12
13	20	1	540	1.00	Receptsl 296	A	Existing Load	1.00	500	1	20	14
15	20	1	540	1.00	Receptsl 297	B	Hall Receptsl 200	1.00	540	1	20	16
17	20	1	540	1.00	Receptsl 298	C	Existing Load	1.00	500	1	20	18
19	20	1	720	1.00	Plug Mold 290	A	Existing Load	1.00	500	1	20	20
21	20	1	720	1.00	Plug Mold 291	B	Existing Load	1.00	500	1	20	22
23	20	1	720	1.00	Plug Mold 292	C	Existing Load	1.00	500	1	20	24
25	20	1	720	1.00	Plug Mold 293	A	Existing Load	1.00	500	1	20	26
27	20	1	500	1.00	Existing Load	B	Existing Load	1.00	500	1	20	28
29	20	1	500	1.00	Existing Load	C	Existing Load	1.00	500	1	20	30
31	20	1	500	1.00	Existing Load	A	Existing Load	1.00	500	1	20	32
33	20	1	500	1.00	Existing Load	B	Existing Load	1.00	500	1	20	34
35	20	1	500	1.00	Existing Load	C	Existing Load	1.00	500	1	20	36
37	20	1	500	1.00	Existing Load	A	Existing Load	1.00	500	1	20	38
39	20	1	500	1.00	Existing Load	B	Existing Load	1.00	500	1	20	40
41	20	1	500	1.00	Comp 210(Spine One)	C	Existing Load	1.00	500	1	20	42

CONNECTED LOAD:
PHASE A (VA): 7,420
PHASE B (VA): 7,100
PHASE C (VA): 7,200
TOTAL LOAD (VA): 21,720

CALCULATED DEMAND LOAD:
PHASE A (VA): 7,420
PHASE B (VA): 7,100
PHASE C (VA): 7,200
CALCULATED DEMAND LOAD (VA): 21,720 **60.29 A**

NOTES:
1. No new work - shown for reference only

PANEL SCHEDULE: L2A

February 8, 2017

BUS RATING: 200 Amperes 3Ø, 4-WIRE
MAIN C.B.: 200A/SP or M.L.O: _____
MOUNTING: Surface
COMMENTS: Existing Panelboard

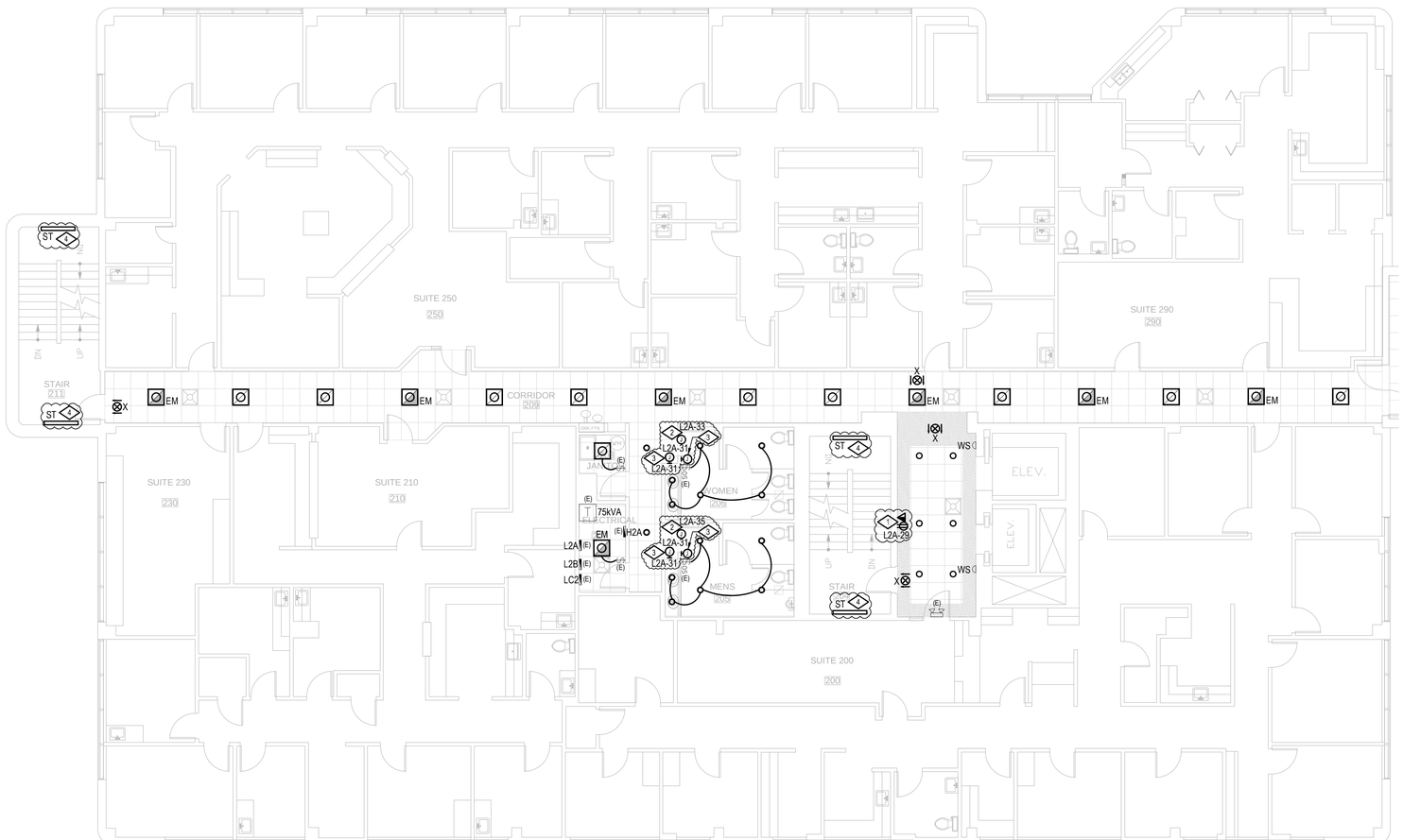
VOLTAGE L-L: 208
VOLTAGE L-G: 120
S.C.RMS RATING (AIC): 10,000

NO.	AMPS	POLE	LOAD (VA)	NEC Demand	LOAD DESCRIPTION	Phase	LOAD DESCRIPTION	NEC Demand	LOAD (VA)	POLE	AMPS	NO.
1	20	1	540	1.00	Receptsl	A	Receptsl 200(Exam 1&2)	1.00	720	1	20	2
3	20	1	540	1.00	Receptsl	B	Receptsl	1.00	540	1	20	4
5	20	1	540	1.00	Receptsl	C	Receptsl	1.00	540	1	20	6
7	20	1	500	1.00	EWC	A	Receptsl	1.00	540	1	20	8
9	20	1	540	1.00	Receptsl 200	B	Receptsl	1.00	540	1	20	10
11	20	1	640	1.25	Lights	C	Receptsl 200(Wait&Lab)	1.00	720	1	20	12
13	20	1	640	1.25	Lights	A	Receptsl 200 (Ex Rm.1)	1.00	720	1	20	14
15	20	1	500	1.00	Existing Load	B	EIF	1.00	500	1	20	16
17	20	1	500	1.00	Existing Load	C	Receptsl	1.00	540	1	20	18
19	20	1	500	1.00	Existing Load	A	Receptsl	1.00	540	1	20	20
21	20	1	500	1.00	Existing Load	B	PM	1.00	720	1	20	22
23	20	2	832	1.00	Existing Load	C	PM	1.00	720	1	20	24
25	20	2	832	1.00	Existing Load	A	Refrigerator	1.00	750	1	20	26
27	20	1	500	1.00	Existing Load	B	Refrigerator	1.00	750	1	20	28
29	**20**	**1**	**500**	**1.00**	**Floor Directory**	C	Disposal	1.00	1176	1	20	30
31	**20**	**1**	**500**	**1.00**	**Auto Door Controls**	A	Receptsl	1.00	540	1	20	32
33	**20**	**1**	**1200**	**1.00**	**Auto Door Operator**	B	Receptsl	1.00	540	1	20	34
35	**20**	**1**	**1200**	**1.00**	**Auto Door Operator**	C	Receptsl	1.00	540	1	20	36
37					Bussed Space	A	Receptsl	1.00	540	1	20	38
39					Bussed Space	B	Receptsl 200 (Peggy)	1.00	540	1	20	40
41	20	1	500	1.00	Comp 210 (Spine One)	C	Receptsl 200	1.00	540	1	20	42
			7420	1.00	Panel L2B	A	Panel L2C	1.00	6680			
			7100	1.00	Panel L2B	B	Panel L2C	1.00	5866			
			7200	1.00	Panel L2B	C	Panel L2C	1.00	4370			

CONNECTED LOAD:
PHASE A (VA): 21,962
PHASE B (VA): 20,876
PHASE C (VA): 21,058
TOTAL LOAD (VA): 63,896

CALCULATED DEMAND LOAD:
PHASE A (VA): 22,122
PHASE B (VA): 20,876
PHASE C (VA): 21,218
CALCULATED DEMAND LOAD (VA): 64,216 **178.25 A**

NOTES:
1. New work shown in BOLD



POWER PLAN GENERAL NOTES:

1. PROVIDE OUTLET WITHIN 25' OF EQUIPMENT IN ACCORDANCE WITH NEC 210-63. PROVIDE WEATHERPROOF GFI OUTLET ON ROOFTOPS WITHIN 25' OF ROOFTOP EQUIPMENT.
2. ALL EXTERIOR RECEPTACLES SHALL BE WEATHER RESISTANT AND ENCLOSED IN A WEATHERPROOF EXTRA DUTY ENCLOSURE WHILE IN USE IN ACCORDANCE WITH NEC 406.9
3. FIELD VERIFY FINAL LOCATION OF ALL EQUIPMENT WITH PROVIDER PRIOR TO ROUGH-IN.
4. ALL RECEPTACLES IN BATHROOMS, KITCHENS, ROOFTOPS, OUTDOORS, AND WITHIN 6FT. OF A SINK SHALL BE GFCI (OR SERVED BY A GFI CIRCUIT BREAKER) PER NEC 210.8(B) AND 406.9(B). THE E.C. SHALL PROVIDE GFCI OUTLETS (OR CIRCUIT BREAKERS) IN ALL LOCATIONS REQUIRED BY THE NEC. PROVIDE GFCI TEST SWITCH (OR GFCI BREAKER) IN READILY ACCESSIBLE LOCATION PER NEC.
5. NUMBERS NEXT TO DEVICES REFER TO CIRCUIT DESIGNATION IN SECOND FLOOR PANEL AS NOTED.
6. ALL TELE/DATA LOCATIONS SHALL INCLUDE 4" SQUARE J-BOX AND 3/4" CONDUIT TO CEILING SPACE. ALL TELEPHONE/DATA CABLE IS TO BE PLENUM RATED WIRE OR SHALL BE INSTALLED IN CONDUIT ABOVE CEILING OR IN WALLS.
7. PROVIDE ALL DEMOLITION WORK AS REQUIRED TO ACCOMMODATE THE NEW WORK AS INDICATED ON THE ELECTRICAL PLANS. FIELD VERIFY EXISTING CONDITIONS. PROVIDE ANY ADDITIONAL WORK NECESSARY AS REQUIRED TO PRESERVE EXISTING DEVICES AND BRANCH CIRCUIT COMPONENTS TO REMAIN. REFER TO THE ARCHITECTURAL PLANS FOR DEMOLITION SCOPE OF WORK AND VISIT THE SITE PRIOR TO BID TO DETERMINE THE ELECTRICAL SCOPE OF WORK REQUIRED.

1 / E1.1

ELECTRICAL PLAN - 1411 SECOND FLOOR

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

Project North

LIGHTING PLAN GENERAL NOTES:

1. CONNECT EGRESS LIGHTING FIXTURES AND EXIT SIGNS TO AREA LIGHTING CIRCUIT AHEAD OF ANY SWITCH PER NEC 700-12(F) INCLUDING ANY NIGHT LIGHTS. FIXTURES SHOWN SHADED OR LABELED ARE EMERGENCY EGRESS (EM) WITH BATTERY PACK, NIGHT LIGHT (NL) OR BOTH (EM/NL).
2. 2x2 LIGHT FIXTURES ARE TYPE 'A' AND DOWNLIGHTS ARE TYPE 'D' UNLESS NOTED.
3. EXIT SIGNS TYPE 'X' AND/OR 'XEM' AND EGRESS LIGHTS TYPE 'EM' SHALL BE NEW WITH EMERGENCY BATTERY PACK, MATCH EXISTING BUILDING STANDARD FIXTURES.
4. PROVIDE NEUTRAL AND GROUND CONDUCTORS THROUGHOUT ALL LIGHTING BRANCH CIRCUITS INCLUDING ALL SWITCH OR LIGHTING CONTROL DEVICE LOCATIONS IN ACCORDANCE WITH NEC.
5. CONNECT NEW LIGHT FIXTURES TO EXISTING CORRIDOR LIGHTING CIRCUIT AND CONTROLS. FIELD VERIFY EXISTING CONDITIONS.

City of Aurora Building Division
Reviewed for Code Compliance
Approved as Noted: *W. Griffin*
Date: *Mar 27, 2017*
2015 INTERNATIONAL CODES & 2014 NEC

RSN: *1186837*
Permit #: *17-1253295 LT*

ELECTRICAL PLAN KEYED NOTES:

1. TOUCH SCREEN DIRECTORY - PROVIDE 120V DUPLEX OUTLET TO BE FLUSH-MOUNTED BEHIND CABINET AND CAT5 DATA CABLE WITH RJ-45 CONNECTOR AS REQUIRED IN CEILING AND PROVIDE RACEWAY TO VIDEO SOURCE. FIELD VERIFY REQUIREMENTS WITH TENANT AND EQUIPMENT PROVIDER. FIELD VERIFY FINAL LOCATION WITH ARCHITECT PRIOR TO ANY ROUGH-IN.
2. AUTOMATIC DOOR OPERATOR - PROVIDE 120V 15A 3-WIRE POWER CONNECTION AT THE SIDE JAMB OF THE DOOR WITH A MINIMUM OF 12" OF WIRE AVAILABLE TO CONNECT TO THE AUTOMATIC DOOR OPERATOR. PROVIDE DEDICATED CIRCUIT WITH DEDICATED GROUND AND NEUTRAL CONDUCTOR. FIELD VERIFY REQUIREMENTS WITH PROVIDER PRIOR TO ROUGH-IN OR ANY WORK
3. AUTOMATIC DOOR CONTROL BOX - PROVIDE J-BOX AND DATA RACEWAY AT EACH EXTERIOR DOOR, ONE INSIDE AND ONE OUTSIDE, FOR AUTOMATIC DOOR OPERATOR, CONTROLS AND HARDWARE. FIELD VERIFY REQUIREMENTS WITH TENANT/PROVIDER PRIOR TO INSTALLATION.
4. STAIRWELL LIGHT FIXTURES - PROVIDE STAIRWELL LIGHT FIXTURE WITH OCCUPANCY SENSOR. STAIRWELL FIXTURES SHALL REMAIN ILLUMINATED AT ALL TIMES, BUT WILL DIM TO 50% WHEN THE STAIRWELL IS NO OCCUPIED. CONNECT NEW LIGHT FIXTURES TO EXISTING STAIRWELL LIGHTING CIRCUIT. FIELD VERIFY EXISTING CONDITIONS.

MEDICAL CENTER I FOR HCP
1411 S POTOMAC STREET

AURORA, COLORADO 80012

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Dawn@dkellereng.com

ISSUED FOR:	DATE:
CONSTRUCTION	01.12.17
ADDENDUM #1	02.10.17

PROJECT: DK16.012.1411

COLORADO LICENSED PROFESSIONAL ENGINEER DAWN M. KELLER 41304

1411 S POTOMAC ST
SECOND FLOOR
ELECTRICAL PLAN

E1.1

Legibly identify each breaker or switch for it's use or purpose on the circuit directory in the panel/switchboard per 2014 NEC 408.4.

Install electrical connections per 2014 NEC 110.14, identify disconnects per 2014 NEC 110.22 and provide working space around electrical equipment per 2014 NEC 110.26.

Provide water, gas, and electrical utilities to each individually addressed building on an individually platted lot directly from the platted easement without crossing other platted lots or buildings per 2014 NEC 230.3, 2009 IFGC, 2009 IRC G2420.3.

Provide emergency illumination equipment that complies with 2014 NEC 700.12 (F) or 2014 NEC 700.

PANEL SCHEDULE: L3C

February 8, 2017

BUS RATING: 200 Amperes 3Ø, 4-WIRE
MAIN C.B.: _____ or M.L.O: 200A
MOUNTING: Surface
COMMENTS: Existing Panelboard

VOLTAGE L-L: 208
VOLTAGE L-G: 120
S.C.RMS RATING (AIC): 10,000

NO.	AMPS	POLE	LOAD (VA)	NEC Demand	LOAD DESCRIPTION	Phase	LOAD DESCRIPTION	NEC Demand	LOAD (VA)	POLE	AMPS	NO.
1	20	1	540	1.00	Suite 340 Recepts	A	Suite 340 Exam Recepts	1.00	540	1	20	2
3	20	1	540	1.00	Suite 340 Recepts	B	Existing Load	1.00	500	1	20	4
5	20	1	540	1.00	Suite 340 Recepts	C	Existing Load	1.00	500	1	20	6
7	20	1	500	1.00	Suite 340 Copier	A	Suite 340 Computer	1.00	360	1	20	8
9	20	1	360	1.00	Suite 340 Tele Term	B	Suite 340 Night Lights	1.25	640	1	20	10
11	20	1	360	1.00	Suite 340 Tele Recept	C	Existing Load	1.00	500	1	20	12
13	20	1	540	1.00	Suite 330 Exam Recepts	A	Ded Rec 300 Network	1.00	360	1	20	14
15	20	1	540	1.00	Suite 330 Exam Recepts	B	Existing Load	1.00	500	1	20	16
17	20	1	540	1.00	Suite 330 Exam Recepts	C	Existing Load	1.00	500	1	20	18
19	20	1	540	1.00	Suite 330 Exam Recepts	A	Existing Load	1.00	500	1	20	20
21	20	1	540	1.00	Suite 330 Exam Recepts	B	**Floor Directory**	**1.00**	**500**	**1**	**20**	22
23	20	1	540	1.00	Suite 330 Exam Recepts	C	**Auto Door Controls**	**1.00**	**500**	**1**	**20**	24
25	20	1	540	1.00	Suite 330 Exam Recepts	A	Bussed Space					26
27	20	1	360	1.00	Suite 330 Tele Term	B	**Auto Door Operator**	**1.00**	**1200**	**1**	**20**	28
29	20	1	500	1.00	Suite 330 Copier	C	**Auto Door Operator**	**1.00**	**1200**	**1**	**20**	30
31	20	1	540	1.00	Suite 330 Recepts	A	Bussed Space					32
33	20	1	540	1.00	Suite 330 Recepts	B	Bussed Space					34
35	20	1	1200	1.00	Suite 330 Microwave	C	Bussed Space					36
37	20	1	540	1.00	Suite 330 Recepts	A	Bussed Space					38
39					Bussed Space	B	Bussed Space					40
41					Bussed Space	C	Bussed Space					42

CONNECTED LOAD:
PHASE A (VA): 5,500
PHASE B (VA): 6,220
PHASE C (VA): 6,880
TOTAL LOAD (VA): 18,600

CALCULATED DEMAND LOAD:
PHASE A (VA): 5,500
PHASE B (VA): 6,380
PHASE C (VA): 6,880
CALCULATED DEMAND LOAD (VA): 18,760 **52.07 A**

NOTES:
1. New work shown in BOLD

PANEL SCHEDULE: L3B

February 8, 2017

BUS RATING: 200 Amperes 3Ø, 4-WIRE
MAIN C.B.: _____ or M.L.O: 200A
MOUNTING: Surface
COMMENTS: Existing Panelboard

VOLTAGE L-L: 208
VOLTAGE L-G: 120
S.C.RMS RATING (AIC): 10,000

NO.	AMPS	POLE	LOAD (VA)	NEC Demand	LOAD DESCRIPTION	Phase	LOAD DESCRIPTION	NEC Demand	LOAD (VA)	POLE	AMPS	NO.
1	20	1	500	1.00	Existing Load	A	Suite 350 Downlights	1.25	420	1	20	2
3	20	1	500	1.00	Existing Load	B	Existing Load	1.00	500	1	20	4
5	20	1	420	1.25	Suite 310 Downlights	C	Existing Load	1.00	500	1	20	6
7	20	1	500	1.25	Suite 310 Surg Light	A	Suite 350 Receps	1.00	540	1	20	8
9	20	1	540	1.00	Suite 310 Exam Receps	B	Suite 350 Receps	1.00	540	1	20	10
11	20	1	720	1.00	Suite 310 Surge TA	C	Suite 350 Receps	1.00	540	1	20	12
13	20	1	720	1.00	Suite 310 Surge TA	A	Suite 350 Tele Term	1.00	360	1	20	14
15	20	1	540	1.00	Suite 310 Exam Receps	B	Suite 350 Receps	1.00	540	1	20	16
17	20	1	750	0.65	Suite 310 UC Refrigerator	C	Suite 350 Receps	1.00	540	1	20	18
19	20	1	1176	0.65	Suite 310 Disposal	A	Suite 350 Copier	1.00	500	1	20	20
21	20	1	1200	0.65	Suite 310 Microwave	B	Suite 350 Receps	1.00	540	1	20	22
23	20	1	540	1.00	Suite 310 Receps	C	Suite 350 Microwave	0.65	1200	1	20	24
25	20	1	360	1.00	Suite 310 Tele Term	A	Suite 350 Disposal	0.65	1176	1	20	26
27	20	1	540	1.00	Suite 310 Receps	B	Suite 350 Refrigerator	0.65	750	1	20	28
29	20	1	540	1.00	Suite 310 Receps	C	Suite 350 Exam Rec	1.00	540	1	20	30
31	20	1	750	0.65	Suite 310 UC Refrigerator	A	Suite 350 Exam Rec	1.00	540	1	20	32
33	20	1	500	1.00	Suite 310 Autoclave	B	Suite 350 Disposal	0.65	1176	1	20	34
35	20	1	540	1.00	Suite 310 Receps	C	Suite 350 Proc Rec	1.00	720	1	20	36
37	30	2	2500	0.65	Suite 310 Dryer	A	Suite 350 Proc Table	1.00	500	1	20	38
39	30	2	2500	0.65	Suite 310 Dryer	B	Bussed Space					40
41	20	1	1200	0.65	Suite 310 Washer	C	Bussed Space					42

CONNECTED LOAD:
PHASE A (VA): 10,542
PHASE B (VA): 10,366
PHASE C (VA): 8,750
TOTAL LOAD (VA): 29,658

CALCULATED DEMAND LOAD:
PHASE A (VA): 8,811
PHASE B (VA): 8,397
PHASE C (VA): 7,753
CALCULATED DEMAND LOAD (VA): 24,961 **69.29 A**

NOTES:
1. No new work - shown for reference only

PANEL SCHEDULE: L3A

February 8, 2017

BUS RATING: 200 Amperes 3Ø, 4-WIRE
MAIN C.B.: 200A/3P or M.L.O: _____
MOUNTING: Surface
COMMENTS: Existing Panelboard

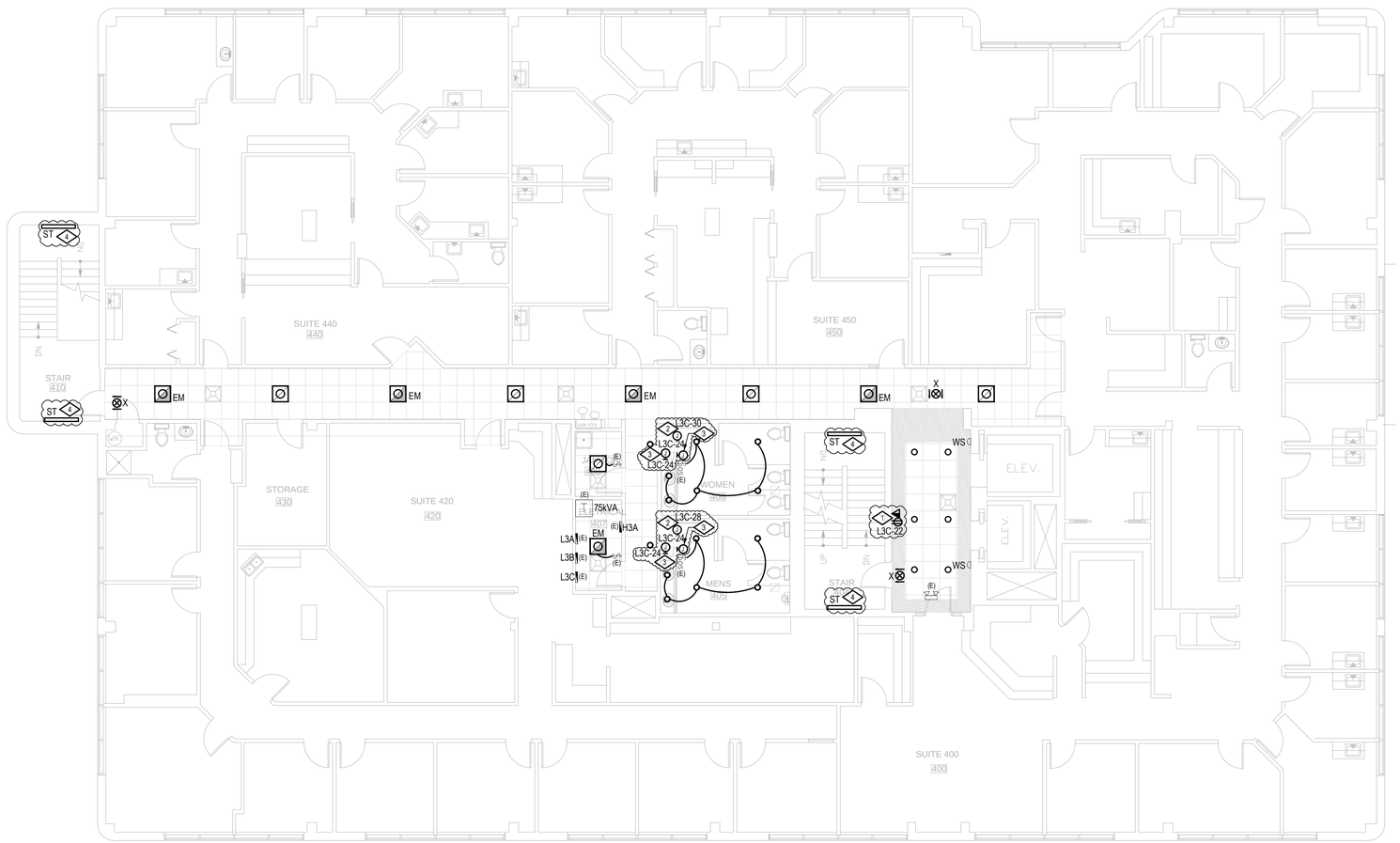
VOLTAGE L-L: 208
VOLTAGE L-G: 120
S.C.RMS RATING (AIC): 10,000

NO.	AMPS	POLE	LOAD (VA)	NEC Demand	LOAD DESCRIPTION	Phase	LOAD DESCRIPTION	NEC Demand	LOAD (VA)	POLE	AMPS	NO.
1	20	1	360	1.00	Core Receptacle	A	Suite 300 Exam Receptacles	1.00	540	1	20	2
3	20	1	360	1.00	Tele Receptacle	B	Suite 300 Exam Receptacles	1.00	540	1	20	4
5	20	1	500	1.00	EWC	C	Suite 300 Exam Receptacles	1.00	540	1	20	6
7	20	1	540	1.00	Suite 300 Receptacles	A	Suite 300 Exam Receptacles	1.00	540	1	20	8
9	20	1	640	1.25	Suite 300 Wall Sconce	B	Suite 300 Test Receptacles	1.00	540	1	20	10
11	20	2	832	1.00	Water Heater	C	Suite 300 Test Receptacles	1.00	540	1	20	12
13	20	2	832	1.00	Water Heater	A	Suite 300 Test Receptacles	1.00	540	1	20	14
15	20	1	500	1.00	Fire Alarm Booster Pump	B	Suite 300 Receptacles	1.00	540	1	20	16
17	30	2	1248	1.25	Suite 300 Downlights	C	Suite 300 Receptacles	1.00	540	1	20	18
19	30	2	1248	1.25	Suite 300 Downlights	A	Suite 300 Receptacles	1.00	540	1	20	20
21	20	1	540	1.00	Suite 300 Nurse Lab	B	Suite 320 Exam Receptacles	1.00	540	1	20	22
23	20	1	540	1.00	Suite 300 Nurse Lab	C	Suite 320 Exam Receptacles	1.00	540	1	20	24
25	20	1	540	1.00	Suite 300 Receptacles	A	Suite 320 Exam Receptacles	1.00	540	1	20	26
27	20	1	1200	0.65	Suite 300 Microwave	B	Suite 320 Exam Receptacles	1.00	540	1	20	28
29	20	1	650	0.65	Suite 300 Dishwasher	C	Suite 320 Telephone	1.00	360	1	20	30
31	20	1	360	1.00	Suite 300 Kitchen	A	Suite 320 Refrigerator	0.65	750	1	20	32
33	20	1	1176	0.65	Suite 300 Disposal	B	Suite 320 Disposal	0.65	1176	1	20	34
35	20	1	750	0.65	Suite 300 Refrigerator	C	Suite 320 Ded Rec	1.00	360	1	20	36
37	20	1	900	1.00	Suite 300 Wiremold	A	Suite 320 Ded Rec	1.00	360	1	20	38
39	20	1	900	1.00	Suite 300 Wiremold	B	Suite 320 Receptacles	1.00	540	1	20	40
41	20	1	360	1.00	Suite 300 Tele Term	C	Existing Load	1.00	500	1	20	42
			8811	1.00	Panel L3B	A	Panel L3C	1.00	5500			
			8397	1.00	Panel L3B	B	Panel L3C	1.00	6380			
			7753	1.00	Panel L3B	C	Panel L3C	1.00	6880			

CONNECTED LOAD:
PHASE A (VA): 22,901
PHASE B (VA): 24,509
PHASE C (VA): 22,893
TOTAL LOAD (VA): 70,303

CALCULATED DEMAND LOAD:
PHASE A (VA): 22,951
PHASE B (VA): 23,426
PHASE C (VA): 22,715
CALCULATED DEMAND LOAD (VA): 69,091 **191.78 A**

NOTES:
1. No new work - shown for reference only



POWER PLAN GENERAL NOTES:

1. PROVIDE OUTLET WITHIN 25' OF EQUIPMENT IN ACCORDANCE WITH NEC 210-63. PROVIDE WEATHERPROOF GFI OUTLET ON ROOFTOPS WITHIN 25' OF ROOFTOP EQUIPMENT.
2. ALL EXTERIOR RECEPTACLES SHALL BE WEATHER RESISTANT AND ENCLOSED IN A WEATHERPROOF EXTRA DUTY ENCLOSURE WHILE IN USE IN ACCORDANCE WITH NEC 406.9
3. FIELD VERIFY FINAL LOCATION OF ALL EQUIPMENT WITH PROVIDER PRIOR TO ROUGH-IN.
4. ALL RECEPTACLES IN BATHROOMS, KITCHENS, ROOFTOPS, OUTDOORS, AND WITHIN 6FT. OF A SINK SHALL BE GFCI (OR SERVED BY A GFI CIRCUIT BREAKER) PER NEC 210.8(B) AND 406.9(B). THE E.C. SHALL PROVIDE GFCI OUTLETS (OR CIRCUIT BREAKERS) IN ALL LOCATIONS REQUIRED BY THE NEC. PROVIDE GFCI TEST SWITCH (OR GFCI BREAKER) IN READILY ACCESSIBLE LOCATION PER NEC.
5. NUMBERS NEXT TO DEVICES REFER TO CIRCUIT DESIGNATION IN THIRD FLOOR PANEL AS NOTED.
6. ALL TELE/DATA LOCATIONS SHALL INCLUDE 4" SQUARE J-BOX AND 3/4" CONDUIT TO CEILING SPACE. ALL TELEPHONE/DATA CABLE IS TO BE PLENUM RATED WIRE OR SHALL BE INSTALLED IN CONDUIT ABOVE CEILING OR IN WALLS.
7. PROVIDE ALL DEMOLITION WORK AS REQUIRED TO ACCOMMODATE THE NEW WORK AS INDICATED ON THE ELECTRICAL PLANS. FIELD VERIFY EXISTING CONDITIONS. PROVIDE ANY ADDITIONAL WORK NECESSARY AS REQUIRED TO PRESERVE EXISTING DEVICES AND BRANCH CIRCUIT COMPONENTS TO REMAIN. REFER TO THE ARCHITECTURAL PLANS FOR DEMOLITION SCOPE OF WORK AND VISIT THE SITE PRIOR TO BID TO DETERMINE THE ELECTRICAL SCOPE OF WORK REQUIRED.

1 / E1.2

ELECTRICAL PLAN - 1411 THIRD FLOOR

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

Project North

LIGHTING PLAN GENERAL NOTES:

1. CONNECT EGRESS LIGHTING FIXTURES AND EXIT SIGNS TO AREA LIGHTING CIRCUIT AHEAD OF ANY SWITCH PER NEC 700-12(F) INCLUDING ANY NIGHT LIGHTS. FIXTURES SHOWN SHADED OR LABELED ARE EMERGENCY EGRESS (EM) WITH BATTERY PACK, NIGHT LIGHT (NL) OR BOTH (EM/NL).
2. 2x2 LIGHT FIXTURES ARE TYPE 'A' AND DOWNLIGHTS ARE TYPE 'D' UNLESS NOTED.
3. EXIT SIGNS TYPE 'X' AND/OR 'XEM' AND EGRESS LIGHTS TYPE 'EM' SHALL BE NEW WITH EMERGENCY BATTERY PACK, MATCH EXISTING BUILDING STANDARD FIXTURES.
4. PROVIDE NEUTRAL AND GROUND CONDUCTORS THROUGHOUT ALL LIGHTING BRANCH CIRCUITS INCLUDING ALL SWITCH OR LIGHTING CONTROL DEVICE LOCATIONS IN ACCORDANCE WITH NEC.
5. CONNECT NEW LIGHT FIXTURES TO EXISTING CORRIDOR LIGHTING CIRCUIT AND CONTROLS. FIELD VERIFY EXISTING CONDITIONS.

City of Aurora Building Division
Reviewed for Code Compliance
Approved as Noted: *W. Griffin*
Date: *Mar 27, 2017*
2015 INTERNATIONAL CODES & 2014 NEC

RSN: *1186837*
Permit #: *17-1253295 LT*

ELECTRICAL PLAN KEYED NOTES:

1. TOUCH SCREEN DIRECTORY - PROVIDE 120V DUPLEX OUTLET TO BE FLUSH-MOUNTED BEHIND CABINET AND CAT5 DATA CABLE WITH RJ-45 CONNECTOR AS REQUIRED IN CEILING AND PROVIDE RACEWAY TO VIDEO SOURCE. FIELD VERIFY REQUIREMENTS WITH TENANT AND EQUIPMENT PROVIDER. FIELD VERIFY FINAL LOCATION WITH ARCHITECT PRIOR TO ANY ROUGH-IN.
2. AUTOMATIC DOOR OPERATOR - PROVIDE 120V 15A 3-WIRE POWER CONNECTION AT THE SIDE JAMB OF THE DOOR WITH A MINIMUM OF 12" OF WIRE AVAILABLE TO CONNECT TO THE AUTOMATIC DOOR OPERATOR. PROVIDE DEDICATED CIRCUIT WITH DEDICATED GROUND AND NEUTRAL CONDUCTOR. FIELD VERIFY REQUIREMENTS WITH PROVIDER PRIOR TO ROUGH-IN OR ANY WORK
3. AUTOMATIC DOOR CONTROL BOX - PROVIDE J-BOX AND DATA RACEWAY AT EACH EXTERIOR DOOR, ONE INSIDE AND ONE OUTSIDE, FOR AUTOMATIC DOOR OPERATOR, CONTROLS AND HARDWARE. FIELD VERIFY REQUIREMENTS WITH TENANT/PROVIDER PRIOR TO INSTALLATION.
4. STAIRWELL LIGHT FIXTURES - PROVIDE STAIRWELL LIGHT FIXTURE WITH OCCUPANCY SENSOR. STAIRWELL FIXTURES SHALL REMAIN ILLUMINATED AT ALL TIMES, BUT WILL DIM TO 50% WHEN THE STAIRWELL IS NO OCCUPIED. CONNECT NEW LIGHT FIXTURES TO EXISTING STAIRWELL LIGHTING CIRCUIT. FIELD VERIFY EXISTING CONDITIONS.

MEDICAL CENTER I FOR HCP
1411 S POTOMAC STREET

AURORA, COLORADO 80012

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Littleton, Colorado 80123
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Dwm@dkellereng.com

ISSUED FOR:	DATE:
CONSTRUCTION	01.12.17
ADDENDUM #1	02.10.17

PROJECT: DK16.012.1411

COLORADO LICENSED
THOMAS T. VARTANIAN
41304
PROFESSIONAL ENGINEER

1411 S POTOMAC ST
THIRD FLOOR
ELECTRICAL PLAN

E1.2

Legibly identify each breaker or switch for it's use or purpose on the circuit directory in the panel/switchboard per 2014 NEC 408.4.

Install electrical connections per 2014 NEC 110.14, identify disconnects per 2014 NEC 110.22 and provide working space around electrical equipment per 2014 NEC 110.26.

Wiring in air handling spaces must comply with 2014 NEC 300.22. Firestop penetrations per 2014 NEC 300.21. Secure and support equipment per 2014 NEC 300.11.

Provide emergency illumination equipment that complies with 2014 NEC 700.12 (F) or 2014 NEC 700.

PANEL SCHEDULE: L4C

January 23, 2017

BUS RATING: 200 Amperes 3Ø, 4-WIRE
MAIN C.B.: ______ or M.L.O: 200A
MOUNTING: Surface
COMMENTS: Existing Panelboard

VOLTAGE L-L: 208
VOLTAGE L-G: 120
S.C.RMS RATING (AIC): 10,000

NO.	AMPS	POLE	LOAD (VA)	NEC Demand	LOAD DESCRIPTION	Phase	LOAD DESCRIPTION	NEC Demand	LOAD (VA)	POLE	AMPS	NO.
1	20	1	360	1.00	Recepts Ste 440	A	Microwave Ste 450	1.00	850	1	20	2
3	20	1	360	1.00	Recepts Ste 440	B	Disposal Ste 450	1.00	1120	1	20	4
5	20	1	360	1.00	Recepts Ste 440	C	Refrig Ste 450	1.00	750	1	20	6
7	20	1	360	1.00	Recepts Ste 440	A	Downlights Ste 450	1.25	640	1	20	8
9	20	1	360	1.00	Recepts Ste 440	B	Existing Load	1.00	450	1	20	10
11	20	1	360	1.00	Recepts Ste 440	C	Recepts 400	1.00	360	1	20	12
13	20	1	360	1.00	Recepts Ste 440	A	Copier Ste 400	1.00	500	3	20	14
15	20	1	180	1.00	TT4A	B	Disp + DW Ste 400	1.00	1000	3	20	16
17	20	1	540	1.00	Recepts Ste 440	C	Break Rm Ste 400	1.00	360	3	20	18
19	20	1	1120	1.00	Disposal	A	Microwave Ste 400	1.00	850	3	20	20
21	20	1	750	1.00	Refrig Ste 440	B	Break Rm Ste 400	1.00	360	3	20	22
23	20	1	1000	1.00	Microwave Ste 440	C	Refrig Ste 400	1.00	750	3	20	24
25	20	1	540	1.00	Recepts Ste 440	A	Existing Load	1.00	450	2	20	26
27	20	1	540	1.00	Recepts Ste 440	B	Reception Ste 400	1.00	360	2	20	28
29	20	1	540	1.00	Recepts Ste 440	C	X-Ray Rm Ste 400	1.00	350	1	20	30
31	20	1	360	1.00	Exam Rm Ste 440	A	RTU Ste 400	1.00	1200	2	40	32
33	20	1	360	1.00	Exam Rm Ste 440	B	RTU Ste 400	1.00	1200	2	40	34
35	20	1	360	1.00	Exam Rm Ste 440	C	X-Ray Rm Ste 400	1.00	350	1	20	36
37	20	1	450	1.00	EMG Mac Ste 440	A	AC Server Rm Ste 400	1.00	350	2	15	38
39	20	1	450	1.00	Existing Load	B	AC Server Rm Ste 400	1.00	350	2	15	40
41	20	1	450	1.00	Existing Load	C	Bussed Space					42

CONNECTED LOAD:
PHASE A (VA): 8,390
PHASE B (VA): 7,840
PHASE C (VA): 6,530
TOTAL LOAD (VA): 22,760

CALCULATED DEMAND LOAD:
PHASE A (VA): 8,550
PHASE B (VA): 7,840
PHASE C (VA): 6,530
CALCULATED DEMAND LOAD (VA): 22,920 **63.62 A**

NOTES:
1. No new work - shown for reference only

PANEL SCHEDULE: L4B

January 23, 2017

BUS RATING: 200 Amperes 3Ø, 4-WIRE
MAIN C.B.: ______ or M.L.O: 200A
MOUNTING: Surface
COMMENTS: Existing Panelboard

VOLTAGE L-L: 208
VOLTAGE L-G: 120
S.C.RMS RATING (AIC): 10,000

NO.	AMPS	POLE	LOAD (VA)	NEC Demand	LOAD DESCRIPTION	Phase	LOAD DESCRIPTION	NEC Demand	LOAD (VA)	POLE	AMPS	NO.
1	20	1	540	1.00	Recepts Suite 400	A	Copier Suite 400	1.00	500	1	20	2
3	20	1	540	1.00	Recepts Suite 401	B	Furn Sys Suite 400	1.00	720	1	20	4
5	20	1	540	1.00	Recepts Suite 402	C	Furn Sys Suite 400	1.00	720	1	20	6
7	20	1	540	1.00	Recepts Suite 403	A	Recepts Suite 400	1.00	540	1	20	8
9	20	1	180	1.00	Computer Suite 400	B	EMG Mach Suite 450	1.00	450	1	20	10
11	20	1	180	1.00	Computer Suite 400	C	Exam Rec Suite 450	1.00	540	1	20	12
13	20	1	1120	1.00	Disposal Suite 400	A	Exam Rec Suite 450	1.00	540	1	20	14
15	20	1	540	1.00	Recepts Suite 400	B	Recept Suite 450	1.00	540	1	20	16
17	20	1	1000	1.00	Microwave Suite 400	C	Recept Suite 450	1.00	540	1	20	18
19	20	1	650	1.00	Dishwasher Suite 400	A	Exam Rec Suite 450	1.00	360	1	20	20
21	20	1	750	1.00	Refrig Suite 400	B	Exam Rec Suite 450	1.00	360	1	20	22
23	20	1	500	1.00	Copy Suite 400	C	Recept Suite 450	1.00	540	1	20	24
25	20	1	360	1.00	Recepts Suite 400	A	View Box Suite 450	1.00	350	1	20	26
27	20	1	540	1.00	Furn Sys Suite 400	B	Copier Suite 450	1.00	500	1	20	28
29	20	1	540	1.00	Furn Sys Suite 400	C	Recept Suite 450	1.00	540	1	20	30
31	20	1	500	1.00	Copier Suite 400	A	Tele Term Suite 450	1.00	360	1	20	32
33	20	1	360	1.00	Recepts Suite 400	B	Recept Suite 450	1.00	540	1	20	34
35	20	1	360	1.00	Recepts Suite 400	C	Recept Suite 450	1.00	540	1	20	36
37	20	1	250	1.00	Cir Pump Suite 400	A	Water Heater	1.00	832	2	20	38
39	20	1	360	1.00	Suite 440 TTB	B	Water Heater	1.00	832	2	20	40
41	20	1	360	1.00	Suite 440 IT	C	Suite 440 Office Equip	1.00	500	1	20	42

CONNECTED LOAD:
PHASE A (VA): 7,442
PHASE B (VA): 7,212
PHASE C (VA): 7,400
TOTAL LOAD (VA): 22,054

CALCULATED DEMAND LOAD:
PHASE A (VA): 7,442
PHASE B (VA): 7,212
PHASE C (VA): 7,400
CALCULATED DEMAND LOAD (VA): 22,054 **61.22 A**

NOTES:
1. No new work - shown for reference only

PANEL SCHEDULE: L4A

February 8, 2017

BUS RATING: 200 Amperes 3Ø, 4-WIRE
MAIN C.B.: 200A/3P or M.L.O: ______
MOUNTING: Surface
COMMENTS: Existing Panelboard

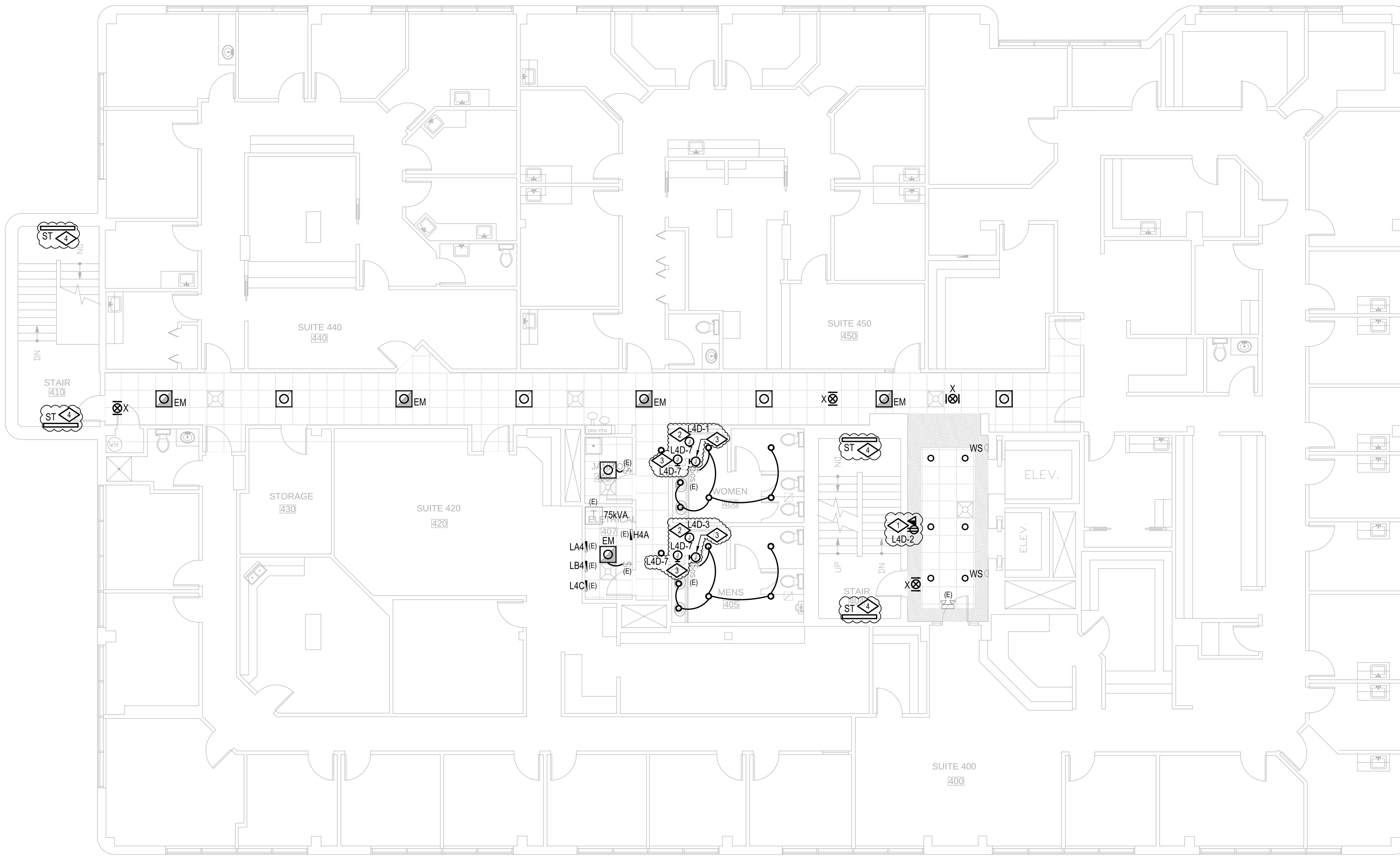
VOLTAGE L-L: 208
VOLTAGE L-G: 120
S.C.RMS RATING (AIC): 10,000

NO.	AMPS	POLE	LOAD (VA)	NEC Demand	LOAD DESCRIPTION	Phase	LOAD DESCRIPTION	NEC Demand	LOAD (VA)	POLE	AMPS	NO.
1	20	1	360	1.00	Roof Receptacle	A	Down Ltg Suite 400	1.25	640	1	20	2
3	20	1	500	1.00	Existing Load	B	Down Ltg Suite 400	1.25	640	1	20	4
5	20	1	360	1.00	Core Receptacles	C	Down Ltg Suite 400	1.25	640	1	20	6
7	20	1	350	1.00	Drinking Fountain	A	Down Ltg Suite 400	1.25	640	1	20	8
9	20	1	360	1.00	Telephone Recept	B	Down Ltg Suite 400	1.25	640	1	20	10
11	20	1	540	1.00	Exam Rm Suite 400	C	**Spare**			**1**	**20**	12
13	20	1	540	1.00	Exam Rm Suite 401	A	Recepts Suite 400	1.00	540	1	20	14
15	20	1	540	1.00	Exam Rm Suite 402	B	Recepts Suite 400	1.00	540	1	20	16
17	20	1	540	1.00	Exam Rm Suite 403	C	Recepts Suite 400	1.00	540	1	20	18
19	20	1	540	1.00	Exam Rm Suite 404	A	Bathroom Exhaust Fan	1.00	150	1	20	20
21	20	1	540	1.00	Exam Rm Suite 405	B	Dark Rm Rec 400	1.00	360	1	20	22
23	20	1	540	1.00	Exam Rm Suite 406	C	Recepts Suite 400	1.00	540	1	20	24
25	20	1	540	1.00	Exam Rm Suite 407	A	Recepts Suite 400	1.00	540	1	20	26
27	20	1	540	1.00	Exam Rm Suite 408	B	Recepts Suite 400	1.00	540	1	20	28
29	20	1	540	1.00	Exam Rm Suite 409	C	Recepts Suite 400	1.00	540	1	20	30
31	20	1	500	1.00	Xray CCT Ste 400	A	Recepts Suite 400	1.00	540	1	20	32
33	20	1	500	1.00	Xray CCT Ste 400	B	Switchboard Suite 400	1.00	360	1	20	34
35	**60**	**3**	**3250**	**1.00**	**Sub Panel L4D**	C	Vending Suite 400	1.00	500	1	20	36
37	**60**	**3**	**1200**	**1.00**	**Sub Panel L4D**	A	Recepts Suite 400	1.00	540	1	20	38
39	**60**	**3**	**1550**	**1.00**	**Sub Panel L4D**	B	Furn Sys Suite 400	1.00	720	1	20	40
41	20	1	250	1.00	Exhaust Fan #1	C	Furn Sys Suite 400	1.00	720	1	20	42
			7442	1.00	Panel L4B	A	Panel L4C	1.00	8550			
			7212	1.00	Panel L4B	B	Panel L4C	1.00	7840			
			7400	1.00	Panel L4B	C	Panel L4C	1.00	6530			

CONNECTED LOAD:
PHASE A (VA): 23,612
PHASE B (VA): 23,382
PHASE C (VA): 23,430
TOTAL LOAD (VA): 70,424

CALCULATED DEMAND LOAD:
PHASE A (VA): 23,932
PHASE B (VA): 23,702
PHASE C (VA): 23,590
CALCULATED DEMAND LOAD (VA): 71,224 **197.70 A**

NOTES:
1. New work shown in BOLD



Project North

POWER PLAN GENERAL NOTES:

1. PROVIDE OUTLET WITHIN 25' OF EQUIPMENT IN ACCORDANCE WITH NEC 210-63. PROVIDE WEATHERPROOF GFI OUTLET ON ROOFTOPS WITHIN 25' OF ROOFTOP EQUIPMENT.
2. ALL EXTERIOR RECEPTACLES SHALL BE WEATHER RESISTANT AND ENCLOSED IN A WEATHERPROOF EXTRA DUTY ENCLOSURE WHILE IN USE IN ACCORDANCE WITH NEC 406.9
3. FIELD VERIFY FINAL LOCATION OF ALL EQUIPMENT WITH PROVIDER PRIOR TO ROUGH-IN.
4. ALL RECEPTACLES IN BATHROOMS, KITCHENS, ROOFTOPS, OUTDOORS, AND WITHIN 6FT. OF A SINK SHALL BE GFCI (OR SERVED BY A GFI CIRCUIT BREAKER) PER NEC 210.8(B) AND 406.9(B). THE E.C. SHALL PROVIDE GFCI OUTLETS (OR CIRCUIT BREAKERS) IN ALL LOCATIONS REQUIRED BY THE NEC. PROVIDE GFCI TEST SWITCH (OR GFCI BREAKER) IN READILY ACCESSIBLE LOCATION PER NEC.
5. NUMBERS NEXT TO DEVICES REFER TO CIRCUIT DESIGNATION IN FOURTH FLOOR PANEL AS NOTED.
6. ALL TELE/DATA LOCATIONS SHALL INCLUDE 4" SQUARE J-BOX AND 3/4" CONDUIT TO CEILING SPACE. ALL TELEPHONE/DATA CABLE IS TO BE PLENUM RATED WIRE OR SHALL BE INSTALLED IN CONDUIT ABOVE CEILING OR IN WALLS.
7. PROVIDE ALL DEMOLITION WORK AS REQUIRED TO ACCOMMODATE THE NEW WORK AS INDICATED ON THE ELECTRICAL PLANS. FIELD VERIFY EXISTING CONDITIONS. PROVIDE ANY ADDITIONAL WORK NECESSARY AS REQUIRED TO PRESERVE EXISTING DEVICES AND BRANCH CIRCUIT COMPONENTS TO REMAIN. REFER TO THE ARCHITECTURAL PLANS FOR DEMOLITION SCOPE OF WORK AND VISIT THE SITE PRIOR TO BID TO DETERMINE THE ELECTRICAL SCOPE OF WORK REQUIRED.

1 / E1.3

ELECTRICAL PLAN - 1411 FOURTH FLOOR

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

LIGHTING PLAN GENERAL NOTES:

1. CONNECT EGRESS LIGHTING FIXTURES AND EXIT SIGNS TO AREA LIGHTING CIRCUIT AHEAD OF ANY SWITCH PER NEC 700-12(F) INCLUDING ANY NIGHT LIGHTS. FIXTURES SHOWN SHADED OR LABELED ARE EMERGENCY EGRESS (EM) WITH BATTERY PACK, NIGHT LIGHT (NL) OR BOTH (EM/NL).
2. 2x2 LIGHT FIXTURES ARE TYPE 'A' AND DOWNLIGHTS ARE TYPE 'D' UNLESS NOTED.
3. EXIT SIGNS TYPE 'X' AND/OR 'XEM' AND EGRESS LIGHTS TYPE 'EM' SHALL BE NEW WITH EMERGENCY BATTERY PACK, MATCH EXISTING BUILDING STANDARD FIXTURES.
4. PROVIDE NEUTRAL AND GROUND CONDUCTORS THROUGHOUT ALL LIGHTING BRANCH CIRCUITS INCLUDING ALL SWITCH OR LIGHTING CONTROL DEVICE LOCATIONS IN ACCORDANCE WITH NEC.
5. CONNECT NEW LIGHT FIXTURES TO EXISTING CORRIDOR LIGHTING CIRCUIT AND CONTROLS. FIELD VERIFY EXISTING CONDITIONS.

City of Aurora Building Division
Reviewed for Code Compliance
Approved as Noted: *W. Griffin*
Date: *Mar 27, 2017*
2015 INTERNATIONAL CODES & 2014 NEC

RSN: *1186837*
Permit #: *17-1253295 LT*

ELECTRICAL PLAN KEYED NOTES:

1. TOUCH SCREEN DIRECTORY - PROVIDE 120V DUPLEX OUTLET TO BE FLUSH-MOUNTED BEHIND CABINET AND CAT5 DATA CABLE WITH RJ-45 CONNECTOR AS REQUIRED IN CEILING AND PROVIDE RACEWAY TO VIDEO SOURCE. FIELD VERIFY REQUIREMENTS WITH TENANT AND EQUIPMENT PROVIDER. FIELD VERIFY FINAL LOCATION WITH ARCHITECT PRIOR TO ANY ROUGH-IN.
2. AUTOMATIC DOOR OPERATOR - PROVIDE 120V 15A 3-WIRE POWER CONNECTION AT THE SIDE JAMB OF THE DOOR WITH A MINIMUM OF 12" OF WIRE AVAILABLE TO CONNECT TO THE AUTOMATIC DOOR OPERATOR. PROVIDE DEDICATED CIRCUIT WITH DEDICATED GROUND AND NEUTRAL CONDUCTOR. FIELD VERIFY REQUIREMENTS WITH PROVIDER PRIOR TO ROUGH-IN OR ANY WORK
3. AUTOMATIC DOOR CONTROL BOX - PROVIDE J-BOX AND DATA RACEWAY AT EACH EXTERIOR DOOR, ONE INSIDE AND ONE OUTSIDE, FOR AUTOMATIC DOOR OPERATOR, CONTROLS AND HARDWARE. FIELD VERIFY REQUIREMENTS WITH TENANT/PROVIDER PRIOR TO INSTALLATION.
4. STAIRWELL LIGHT FIXTURES - PROVIDE STAIRWELL LIGHT FIXTURE WITH OCCUPANCY SENSOR. STAIRWELL FIXTURES SHALL REMAIN ILLUMINATED AT ALL TIMES, BUT WILL DIM TO 50% WHEN THE STAIRWELL IS NO OCCUPIED. CONNECT NEW LIGHT FIXTURES TO EXISTING STAIRWELL LIGHTING CIRCUIT. FIELD VERIFY EXISTING CONDITIONS.

MEDICAL CENTER I FOR HCP
1411 S POTOMAC STREET
AURORA, COLORADO 80012

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Dawn@dkellereng.com

ISSUED FOR:	DATE:
CONSTRUCTION	01.12.17
ADDENDUM #1	02.10.17

PROJECT: DK16.012.1411

COLORADO LICENSED MARCUS T. VAHLING 41304 PROFESSIONAL ENGINEER

1411 S POTOMAC ST
FOURTH FLOOR
ELECTRICAL PLAN

E1.3