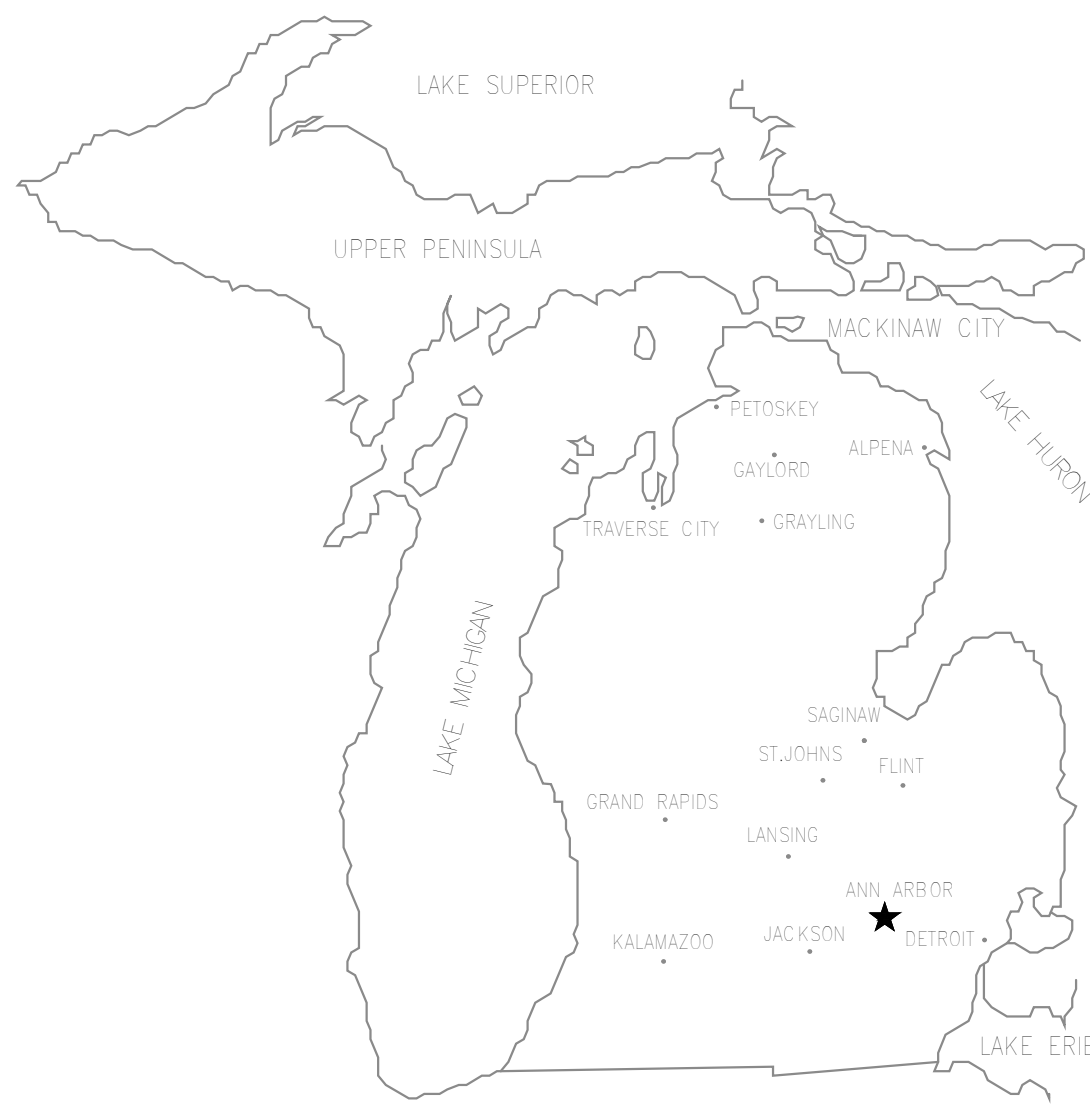


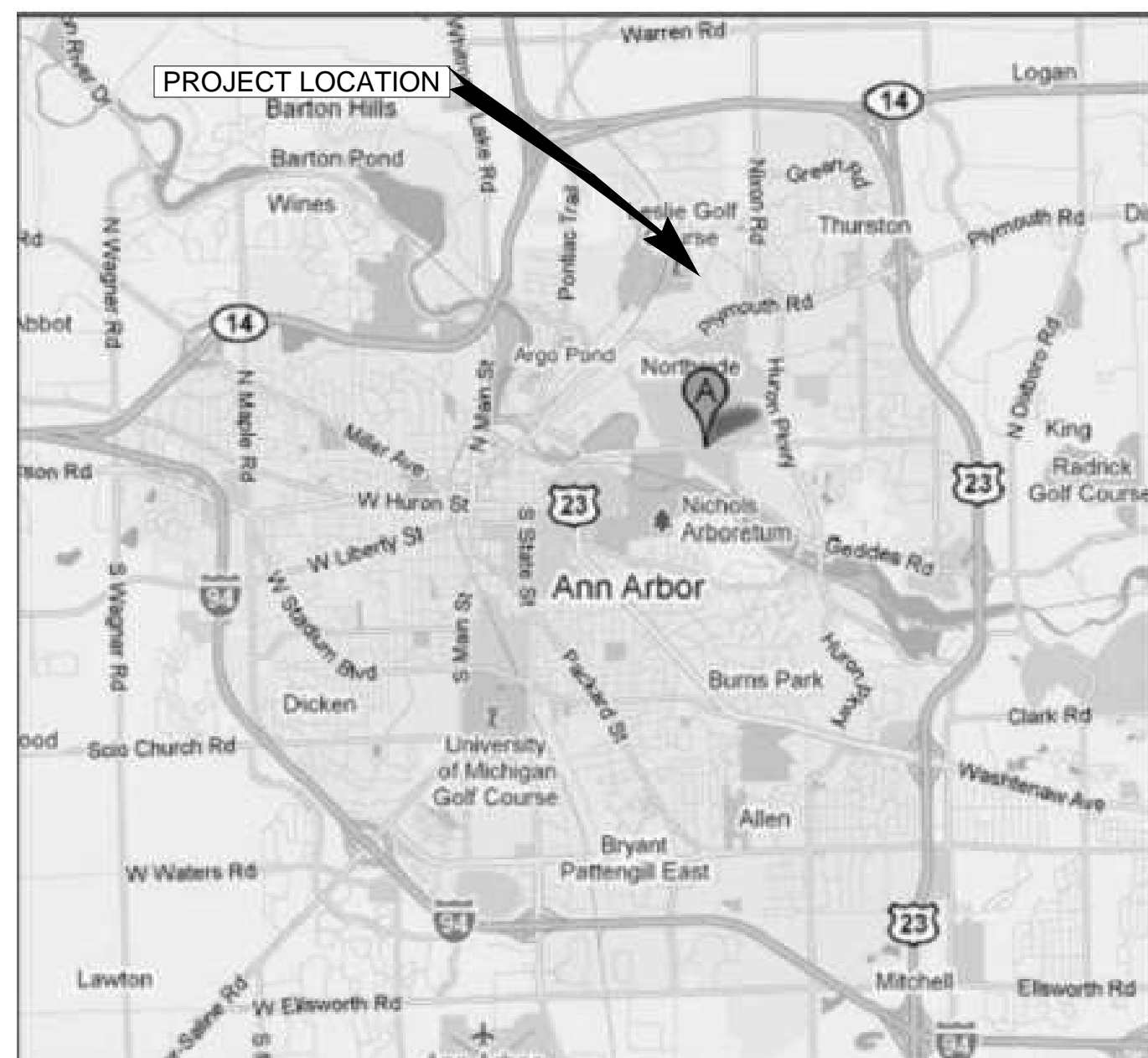


RENOVATIONS FOR:
ANN ARBOR VAMC
RENOVATE DENTAL STAFF RESTROOMS &
LOCKER ROOMS
2215 Fuller Rd., Ann Arbor, MI 48105
506-11-118

ISSUE DATE: 11-23-11
BID DOCUMENTS (100%)

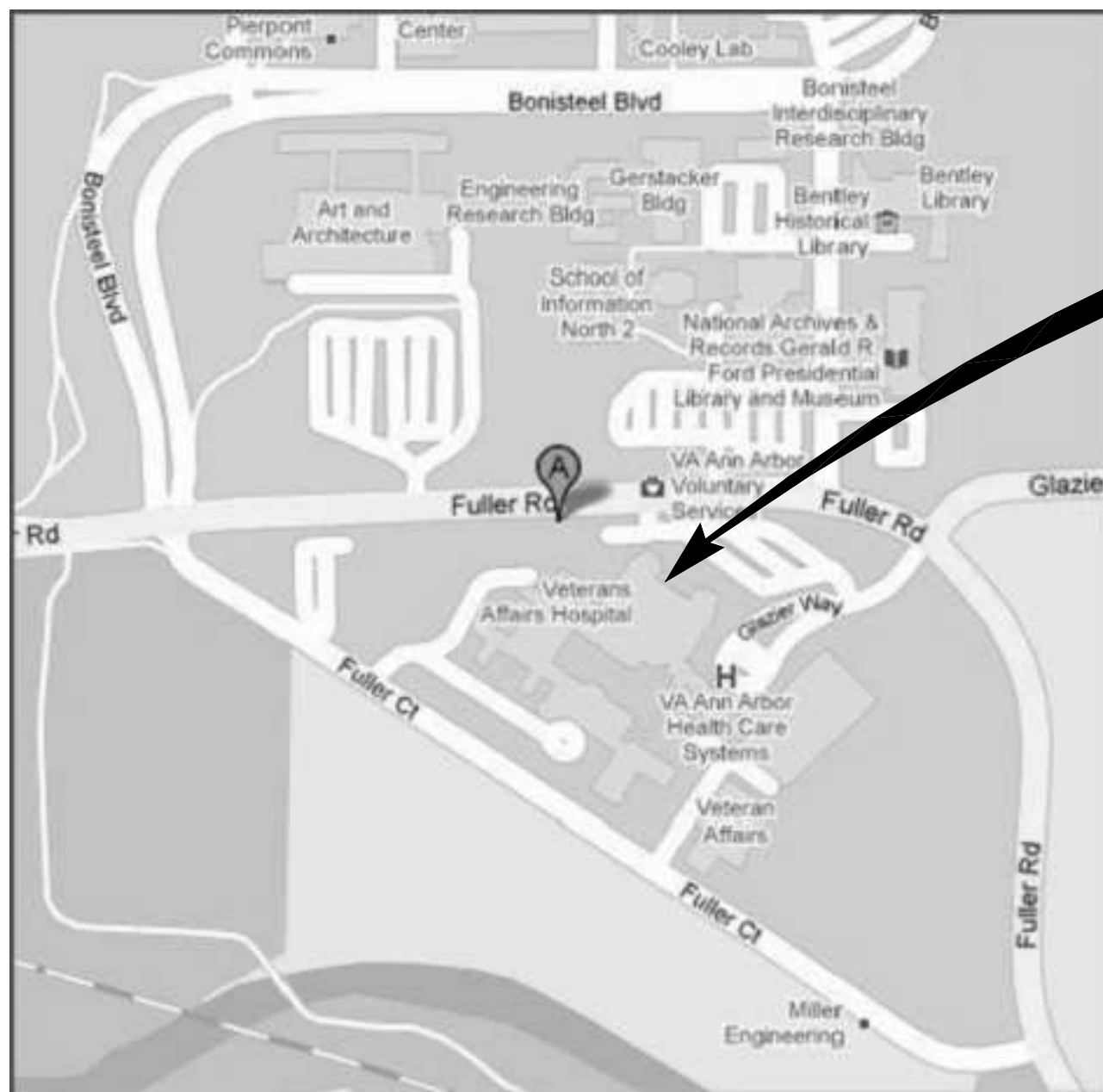


LOCATION MAP
NO SCALE

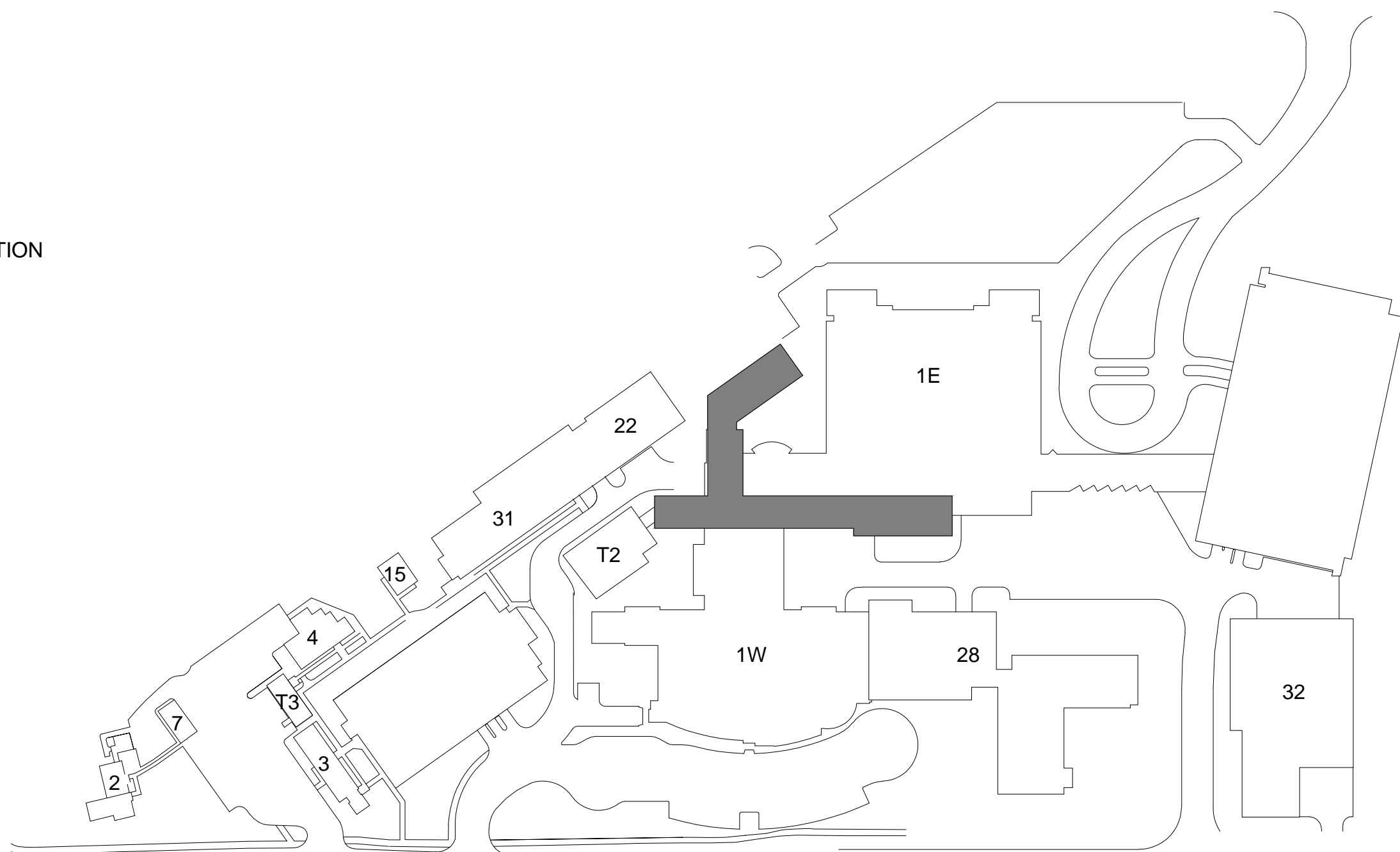


VICINITY MAP
NO SCALE

SHEET LISTING	
SHEET NUMBER	SHEET TITLE
000 General	
G-001	COVER SHEET
G-120	PARTIAL SECOND FLOOR LIFE SAFETY PLAN
G-500	TYPICAL STANDARDS, DETAILS AND PARTITION TYPES
005 Architectural	
AD-120	DEMOLITION PLAN
A-120	FLOOR PLAN
A-121	REFLECTED CEILING PLAN
006 Interiors	
I-600	ROOM FINISH SCHEDULES
010 MECHANICAL	
MD-120	MECHANICAL AND PLUMBING DEMOLITION
M-120	MECHANICAL AND PLUMBING PLANS
011 ELECTRICAL	
ED-120	ELECTRICAL DEMOLITION AND DETAILS
E-120	ELECTRICAL LIGHTING AND POWER PLAN



AREA MAP
NO SCALE



KEY PLAN
NO SCALE

Joe B. Miller

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648 Monroe Avenue NW, Suite 210
Grand Rapids, MI 49503-6166
1211 Ludington Street
East Lansing, MI 48829-3930

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REVISIONS:

DRAWING TITLE:
COVER SHEET

ISSUED DATE:
11-23-11

BUILDING NUMBER:
1W - B

PLOT SCALE:
1" = 1'

PROJECT:
DENTAL LOCKER REMODEL

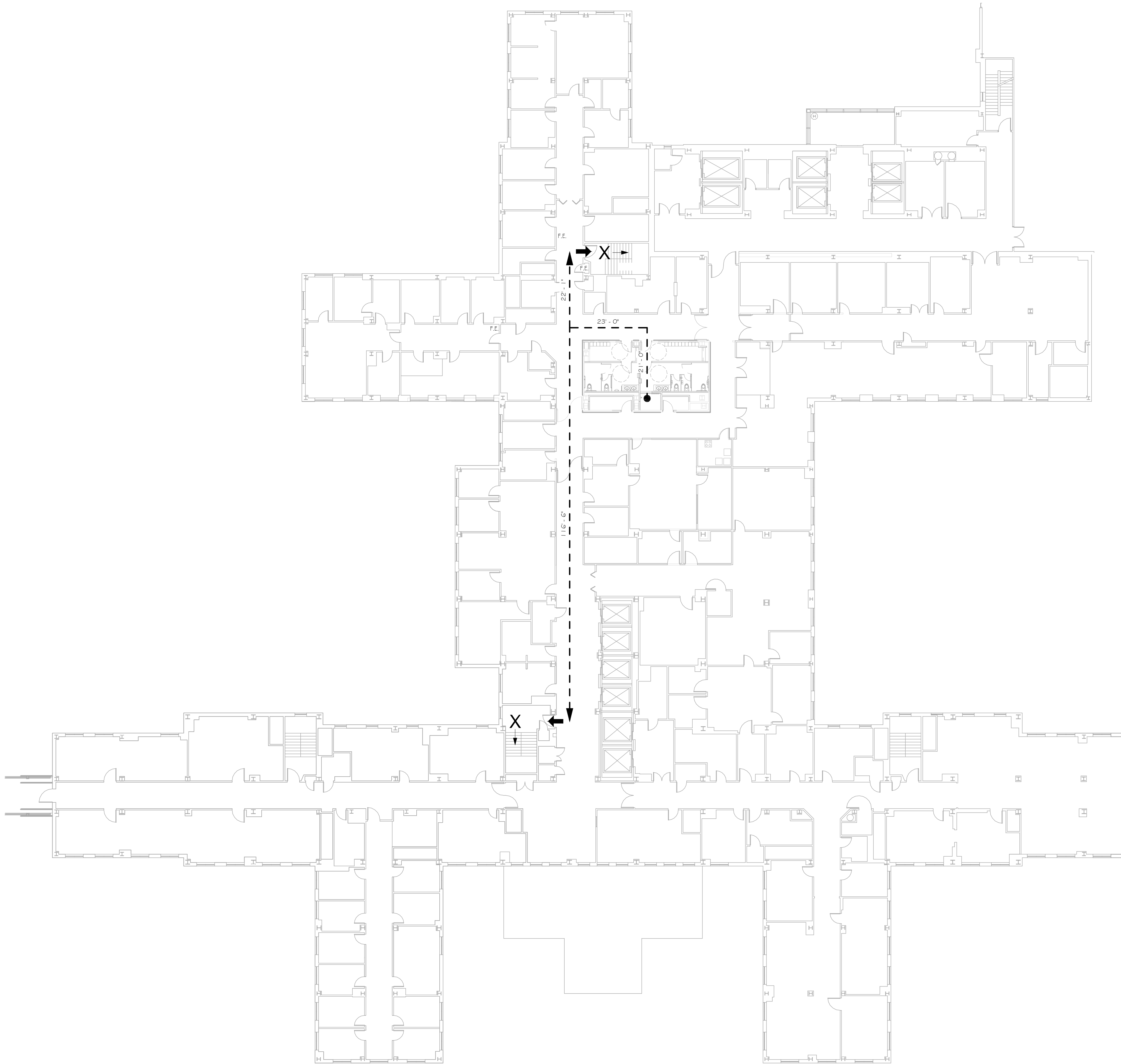
VA PROJECT NAME:
RENOVATE DENTAL STAFF
RESTROOMS & LOCKER ROOMS

VA PROJECT NUMBER:
506-11-118

CDM PROJECT NUMBER:
11-0074

DRAWING NUMBER:
G-001

DEPARTMENT OF
VETERANS AFFAIRS



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

CODE REVIEW BASED ON:

BUILDING CONSTRUCTION CODE:
2012 INTERNATIONAL BUILDING CODE
• 2012 NFPA - 101

BARRIER FREE CODE:
• AMERICANS WITH DISABILITIES ACT OF 1990 WITH
DEPARTMENT OF VETERANS AFFAIRS BARRIER FREE
DESIGN GUIDE - A SUPPLEMENT TO THE UNIFORM
FEDERAL ACCESSIBILITY STANDARDS (UFAS)

MECHANICAL CODE:
2012 INTERNATIONAL MECHANICAL CODE

PLUMBING CODE:
2012 INTERNATIONAL PLUMBING CODE

ELECTRICAL CODE:
• 2011 NATIONAL ELECTRICAL CODE

FIRE PROTECTION CODE:
2012 NFPA - 1

CODE REVIEW:

EXISTING FACILITY IS SPRINKLED THROUGHOUT AND MEETS THE REQUIREMENTS OF 2012 NFPA 101, CHAPTER 19 - EXISTING HEALTH CARE OCCUPANCIES

TYPES OF CONSTRUCTION:
• EXISTING: TYPE II (2 2 2) (NFPA - 19.1.6.1)

FLOOR AREA:
• NO CHANGE TO EXISTING

OCCUPANT LOAD (NFPA - TABLE 7.3.1.2):
• BUSINESS USE 100 S.F. PER OCCUPANT
• STORAGE USE 300 S.F. PER OCCUPANT (IBC - TABLE 1004.1.1)

HAZARDOUS AREA PROTECTION (NFPA - TABLE 18.3.2.1):
• STORAGE ROOMS > THAN 50 S.F. AND < 100 S.F.: DOOR-CLOSING DEVICES REQUIRED

EXIT ACCESS TRAVEL DISTANCE (NFPA - SECTION 19.2.6.2.2):
• MAXIMUM DISTANCE: 200 FT.

DIRECTION OF EGRESS (NFPA - SECTION 7.2.1.4.2):
• DOORS SERVING AN OCCUPANT LOAD OF 50 PERSONS OR MORE SHALL SWING IN THE DIRECTION OF EGRESS.

EGRESS WIDTH PER OCCUPANT SERVED (NFPA - TABLE 7.3.3.1):
• NO CHANGE TO EXISTING

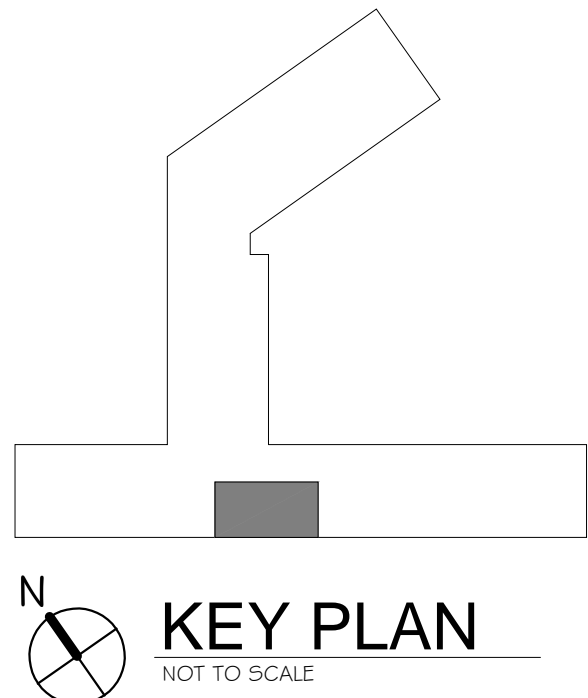
STAIRWAYS (NFPA - TABLE 7.2.2.1.1(a):
• NO CHANGE TO EXISTING


FIRE CODE RATING / SYMBOLS

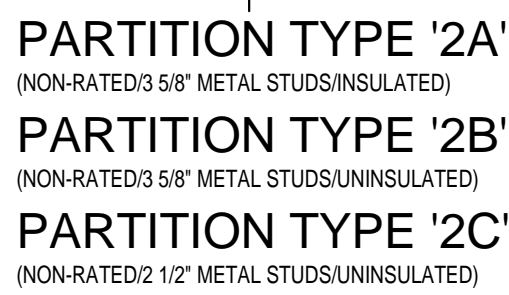
- X → EXIT
- X-X' → EXIT PATH AND TRAVEL DISTANCE
- F.E. FIRE EXTINGUISHER: PROVIDE MULTIPURPOSE 10 LBS CLASS 4A-60BC.

OCCUPANT LOAD SUMMARY

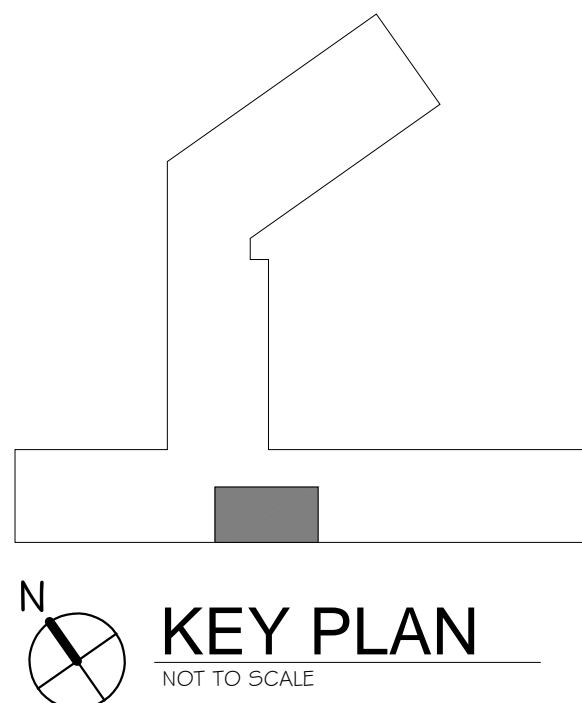
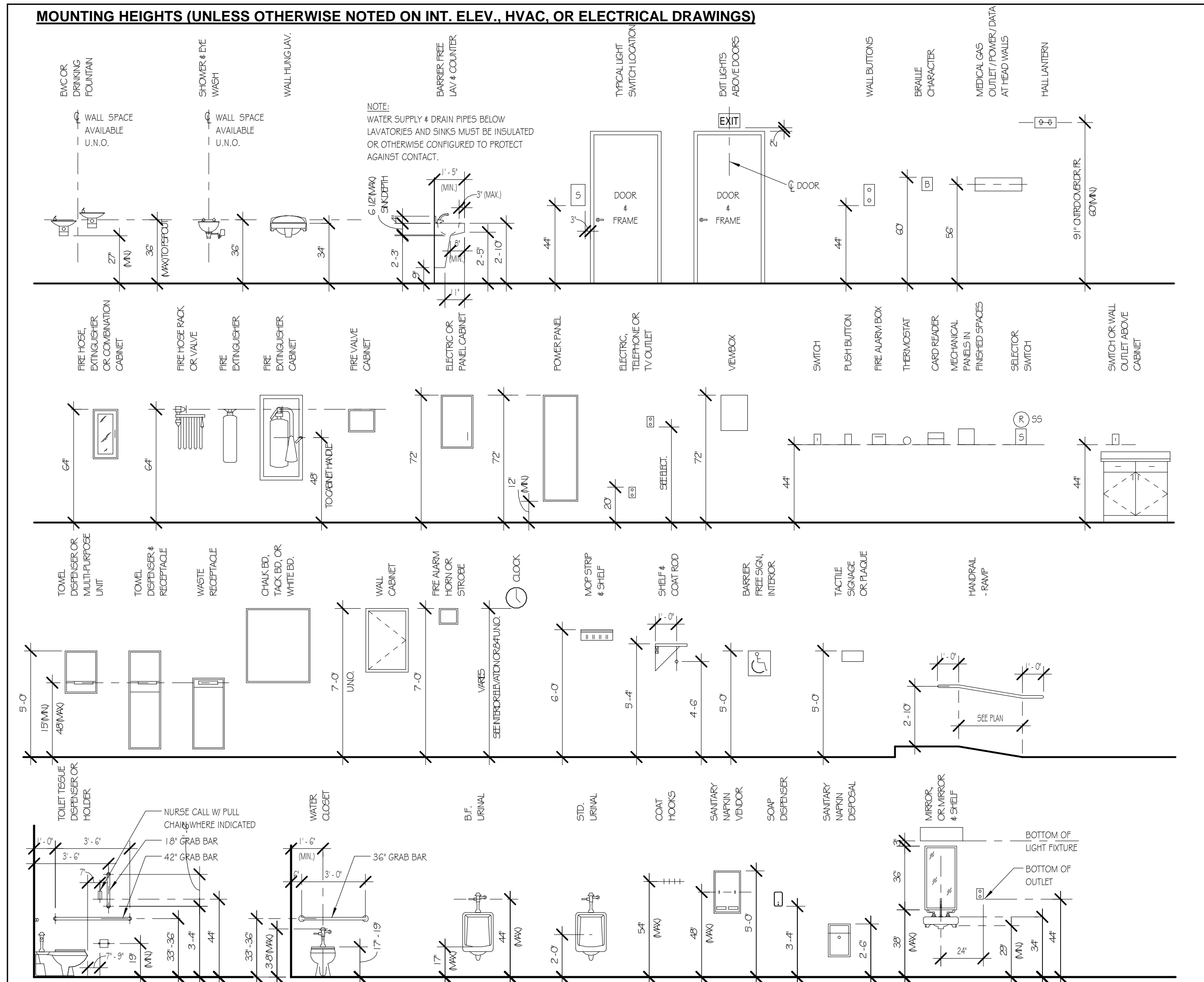
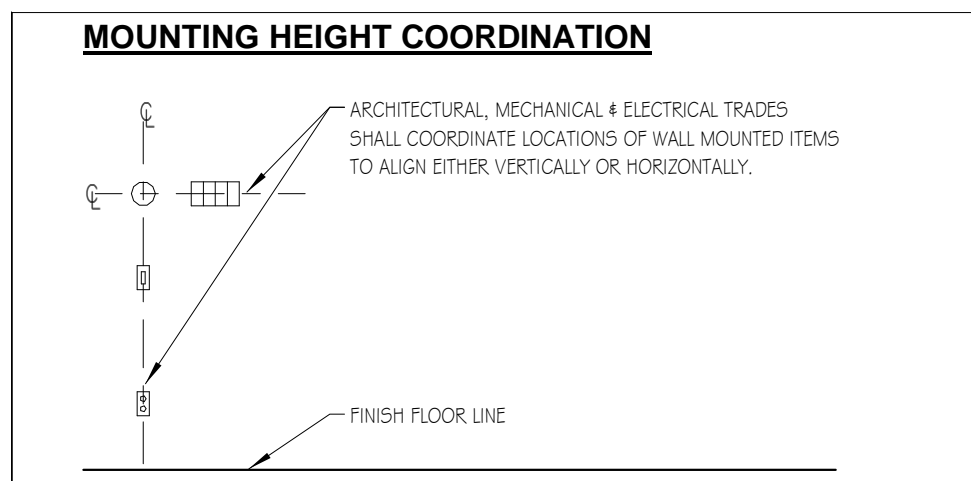
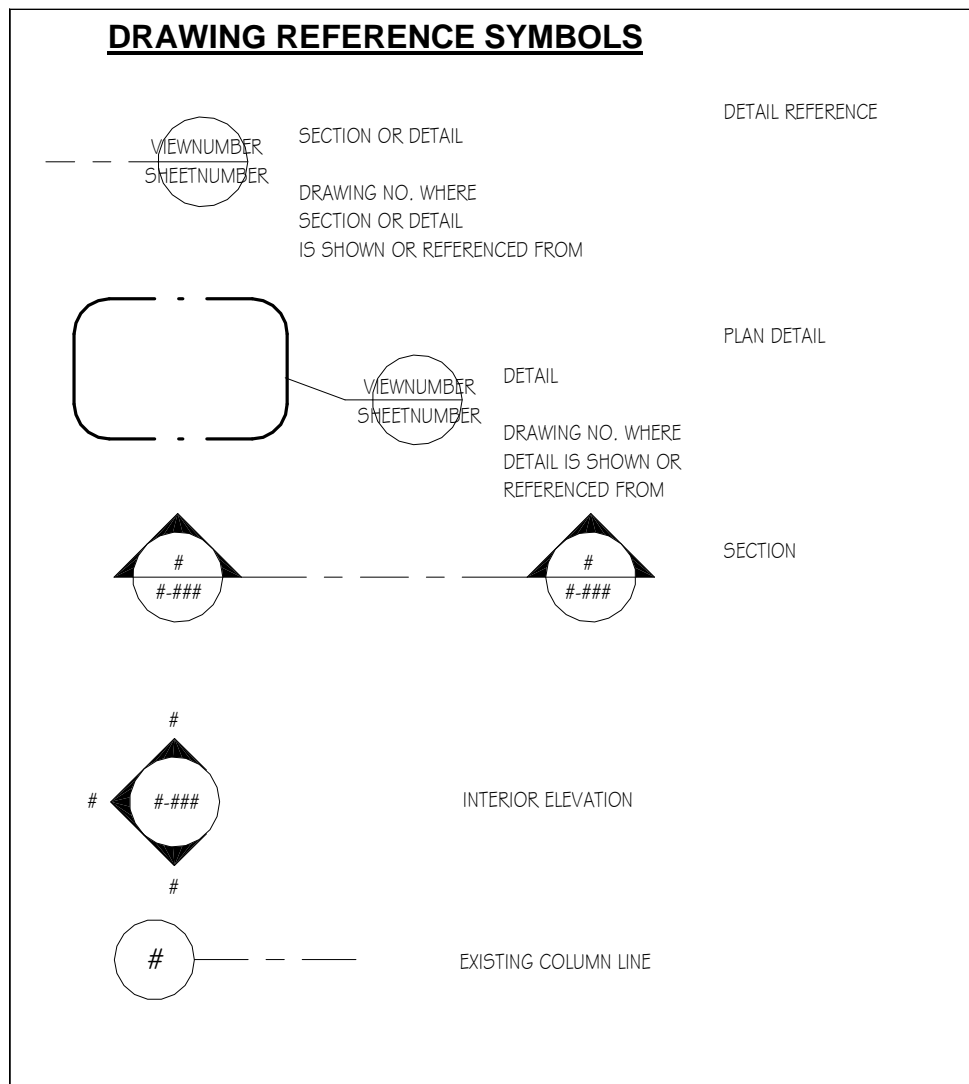
OCCUPANCY TOTAL: NO CHANGE TO EXISTING



<p>725 Prudden Street Lansing, MI 48206-1171 123 West Main Street, Suite 300 Gaylord, MI 49735-9891 648 Monroe Avenue NW, Suite 210 Grand Rapids, MI 49503-6101 1211 Ludington Street Eastland, MI 49829-9081</p> <p>c2ae </p> <p>www.c2ae.com</p>	REVISIONS:		DRAWING TITLE: PARTIAL SECOND FLOOR LIFE SAFETY PLAN	VA PROJECT NAME: RENOVATE DENTAL STAFF RESTROOMS & LOCKER ROOMS	
			ISSUED DATE: 11-23-11	BUILDING NUMBER: 1W - B	VA PROJECT NUMBER: 506-11-118
				PROJECT: DENTAL LOCKER REMODEL	C2AE PROJECT NUMBER: 11-0074
					DRAWING NUMBER: G-120



- | WALL TYPE GENERAL NOTES | |
|----------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ALL | INTERIOR WALLS SHALL EXTEND FROM TOP OF FLOOR AND BE SEALED TO UNDERSIDE OF FLOOR STRUCTURE. U/L STRUCTURE SHALL BE SEALED TO TOP OF FLOOR. |
| ALL | INTERIOR METAL STUD WALLS THAT EXTEND TO UNDERSIDE OF STRUCTURE SHALL INCORPORATE A SLIP-TRACK CONNECTION. |
| ALL | INTERIOR METAL STUD WALLS THAT ARE LATERALLY BRACED TO ADJACENT STRUCTURE SHALL INCORPORATE A SLOTTED U/L BRACE ANGLE WELDED TO THE STUD WALL AND CONNECTED TO METAL STUDS. |
| SEE | WALL TYPE 1 STRUCTURAL PLAN FOR VERTICAL WALL REINFORCING STUD & SPACING REQUIREMENTS. |
| PROVIDE | SLEEVES AS REQUIRED, IN SOLID CONCRETE OVER STEEL WALLS FOR PENETRATING AND SCHED. WALLS. |
| INTERIOR | WALL CONTROL JOINTS ARE TO BE SPACED 20'-0" O.C. (MAX). |
| ALL | CURTAIN WALLS SHALL BE DETACHED FROM THE STUD WALLS. |
| PROVIDE | DRIVALL CONTROL JOINT @ INTERSECTIONS OF METAL STUD WALL CONSTRUCTION AND MASONRY WALL CONSTRUCTION. |
| ALL | FINISHES SHALL BE CONSISTENT WITH ADJACENT FINISHES. VERIFY ALL EXISTING WALLS THAT ARE SCHEDULED AS EXISTING FIRE WALLS MEET U/L REQUIREMENTS FOR A RATED FIRE AND SMOKE PENETRATING RATING AS REQUIRED. |
| REPAIR | PENETRATIONS IN WALLS DUE TO DEMOLITION WORK SHALL BE REPAIR TO MEET THE SAME CONDITION AS THE EXISTING WALL. |
| PATCH & REPAIR | SURFACES IMPACTED BY DEMOLITION AS REQD. FOR NEW FINISHES WHERE SCHEDULED, OR AS REQD. TO RETURN AREA TO EXISTING CONDITION. |
| PROVIDE | FIRE RATED WALL WOODS AND BRACKING - 3/4" plywood or 1/2" OSB. |
| ALL | WALLS SHALL BE CONSIDERED TO BE UNFACED UNLESS OTHERWISE AS REQUIRED FOR INSTALLATION OF WALL SUPPORTED EQUIPMENT. |
| STANDARD ATTENUATION BLIND | REQUIRED FULL HEIGHT AT ALL ROOMS LINED. |
| PROVIDE | IMPACT RESISTANT BACKSPLASH AT ALL SHOWER WALLS. TYP. |
| ALL | METAL STUDS TO BE 2x4 U/L - PROVIDE 2x4 U/L STUDS. |



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REVISIONS:

[illegible]

DRAWING TITLE:
TYPICAL STANDARDS,
DETAILS AND PARTITION
TYPES

ISSUED DATE

BUILDING NUMBER:

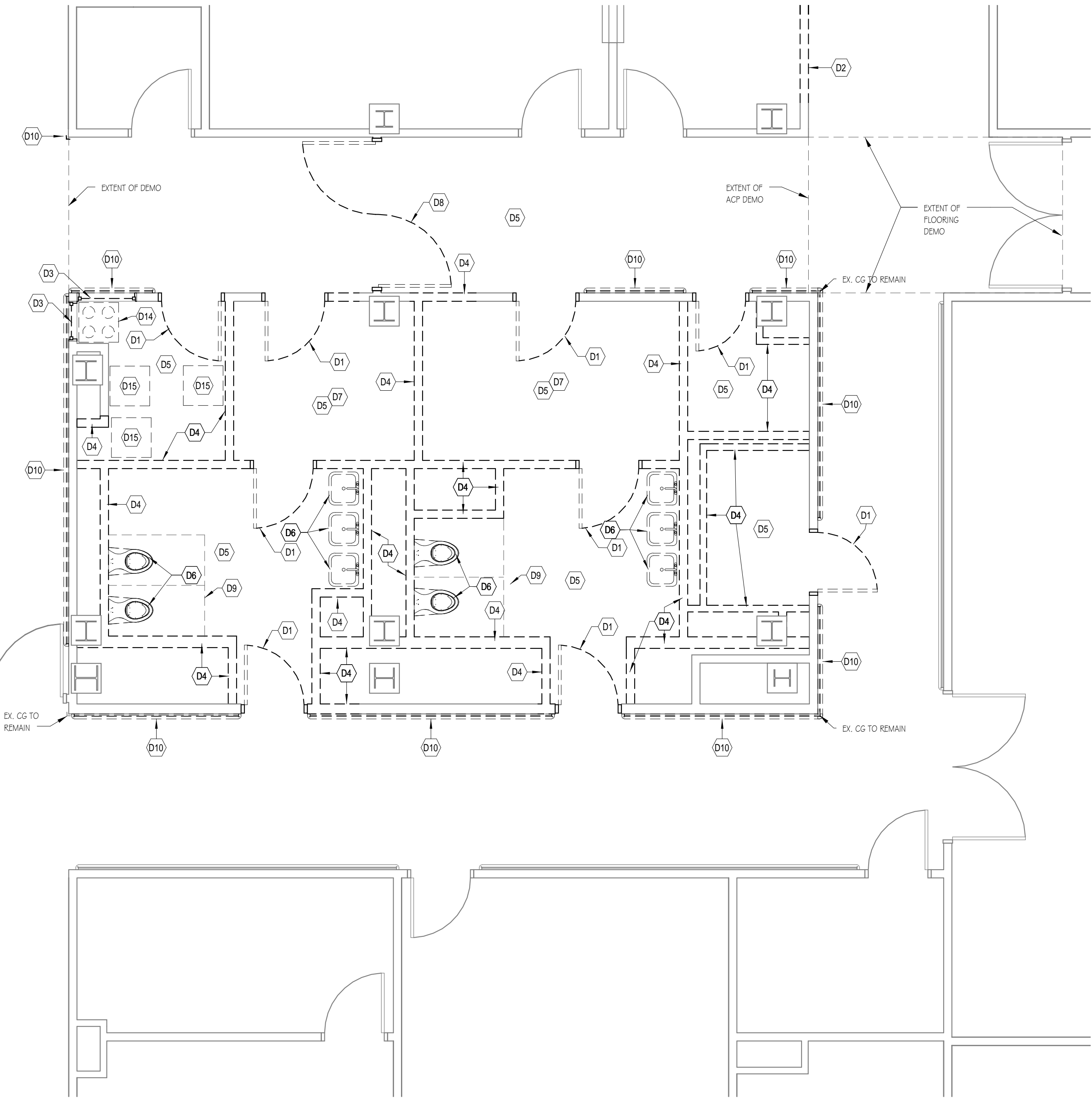
NOT SCALE:

VA PROJECT NAME:
RENOVATE DENTAL STAFF
RESTROOMS & LOCKER
ROOMS
VA PROJECT NUMBER:
506-11-118

C2AE PROJECT NUMBER

DRAWING NUMBER:
G-500

DEPARTMENT OF
VETERANS AFFAIRS

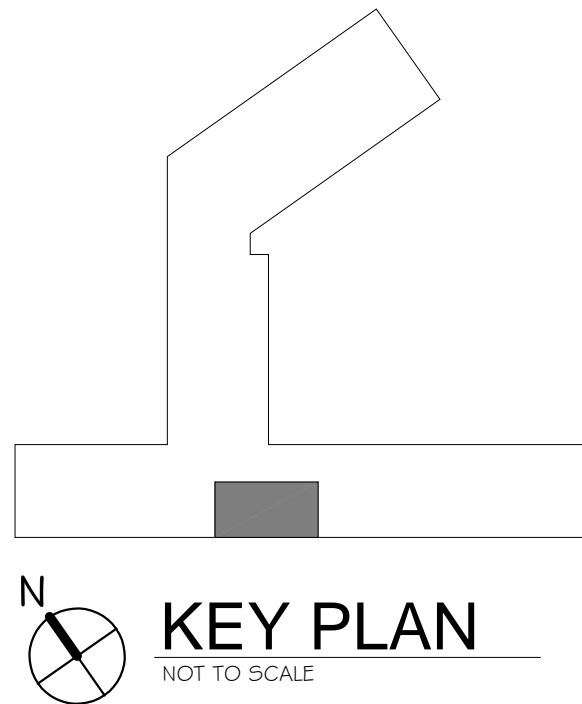


PROJECT NORTH
DENTAL LOCKER ROOM DEMO PLAN
1/4" = 1'-0"

- GENERAL DEMOLITION NOTES:**
 - ALL EXISTING LOOSE MATERIALS, FURNITURE, PORTABLE ELECTRONIC DEVICES AND EQUIPMENT TO BE RETAINED BY THE OWNER WILL BE MOVED PRIOR TO DEMOLITION.
 - REFER TO ALL ARCHITECTURAL, STRUCTURAL, MECHANICAL, PLUMBING, ELECTRICAL, FIRE PROTECTION DRAWINGS, AND SPECIFICATION SECTION 0241.00 FOR OTHER DEMOLITION NOTES AND INFORMATION.
 - SHORE AND BRACE ALL WORK REQUIRED TO REMAIN.
 - THE CONTRACTOR SHALL FIELD VERIFY EXACT DIMENSIONS AND CONDITIONS IN FIELD PRIOR TO START OF WORK.
 - DOCUMENTS ARE BASED ON OWNERS RECORD DRAWINGS AND ARE SHOWN TO ASSIST THE BIDDERS ONLY. CONTRACTOR AND SUBCONTRACTORS SHALL VISIT THE SITE PRIOR TO SUBMITTING BID AND BECOME FAMILIAR WITH ALL CONDITIONS AND NEW WORK. NOTIFY ARCHITECT IMMEDIATELY OF DISCREPANCIES PRIOR TO COMMENCEMENT OF WORK.
 - ALL DISTURBED SURFACES TO BE PATCHED/ REPAIRED TO RECEIVE NEW FINISHES IN A USE-NEW CONDITION TO MATCH ADJACENT FINISH.
 - ALL EXISTING ATTACHED ITEMS (WALL GUARDS, SWITCHES, ETC.) AND EQUIPMENT TO BE RETAINED ARE TO BE REMOVED AND REINSTALLED BY CONTRACTOR UPON COMPLETION OF FINISHING WORK.
 - ANY ITEMS LEFT IN DEMOLITION AREAS WILL BECOME THE PROPERTY OF DEMOLITION CONTRACTOR FOR THEIR OFF-SITE DISPOSAL AT THE CONTRACTORS EXPENSE. CONSTRUCTION MANAGER TO COORDINATE DEMOLITION WORK WITH OWNER AND CONTRACTOR PRIOR TO START OF WORK.
 - CONDUITS, CONDUCTORS AND FEEDERS TO ALL ELECTRICAL LOADS BEING DEMOLISHED ARE TO BE REMOVED BACK TO THEIR SOURCE IN ACCORDANCE WITH THE N.E.C. THIS IS TO INCLUDE POWER, LIGHTING CONTROLS, AND ALL COMMUNICATION SYSTEMS.
 - COORDINATE WITH PLUMBING AND MFD. GAS CONTRACTORS IN SELECTIVE REMOVAL OF VENTS, WASTE PIPING, RAIN WATER CONDUCTORS AND MFD. GAS PIPING IN AREA AFFECTED BY THE WORK. REFER ALSO TO PLUMBING DEMO DRAWINGS.
 - REFER TO FLOOR PLAN FOR DIMENSIONS AND OTHER INFORMATION NOT SHOWN HERE.
 - ALL ITEMS TO BE REMOVED ARE SHOWN DARKER AND DASHED. U.N.O.
- REMODELING NOTES:**
 - REMODELING OR PATCHING SHALL BE DECIDED IN CONSULTATION WITH THE NEW WORK AND THE DEMOLITION WORK IN THE DRAWINGS.
 - PATCH ALL EXPOSED INTERIOR AND EXTERIOR WALLS WHERE ATTACHED OR IMBEDDED ITEMS WERE REMOVED.
 - THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PREPARATIONS OF THE FLOORS, WALLS, AND CEILINGS FOR NEW FINISHES.
 - REMOVE ADHESIVE/GROUT MATERIAL LEFT FROM THE REMOVAL OF EXISTING FLOOR COVERING AND PREP FLOOR W/CONCRETE (OR FLORESTONE) AS NECESSARY TO ACCOMMODATE NEW FLOOR COVERINGS.
 - U.N.O. PATCH AND PREPARE FLOOR W/CONCRETE (OR FLORESTONE) FLUSH WITH ADJACENT FLOOR SURFACE. FILL ANY SLOPING OR RECESSED AREAS LEVEL TO TYPICAL FINISH FLOOR ELEVATION TO ACCOMMODATE NEW FLOOR COVERINGS.
 - FILL-IN EXISTING CHASE OPENINGS, PENETRATIONS IN THE FLOOR AND CEILING DECK. FIRE-RATING OF NEW CONSTRUCTION TO MATCH EXISTING. REFER TO DRAWINGS FOR DETAILS.
 - WHEN REMOVING FORMS FROM CONSTRUCTION AREA Wipe OFF WHEELS BEFORE LEAVING CONSTRUCTION AREA AND USE WET RAGS OVER DUMPTER TO REDUCE DUST.
 - THE OWNER RESERVES THE RIGHT TO HALT CONSTRUCTION ACTIVITY AT ANY TIME DUE TO NOISE AND VIBRATION WHICH MIGHT EFFECT THE OWNERS ONGOING USE OF THE FACILITY.
 - CONTRACTOR SHALL REINSTALL CEILING SYSTEM AND PATCH FINISHES AT FLOOR BELOW AND ABOVE WHERE WORK IMPACTS EXISTING ASSEMBLYS. FINISH/PAINT SURFACES TO MATCH EXISTING FINISH.

- KEYNOTE LEGEND - DEMOLITION**
- D1 REMOVE AND DISPOSE OF EXISTING DOOR AND FRAME
 - D2 CUT OPENING INTO WALL FOR NEW WINDOW OPENING. SEE FLOOR PLAN FOR SIZING.
 - D3 REMOVE EXISTING WINDOW INCLUDING FRAME AND ALL HARDWARE ASSOCIATED WITH EXISTING WINDOW.
 - D4 REMOVE EXISTING PARTITION & ALL ATTACHED/EMBEDDED ITEMS FROM FLOOR TO DECK ABOVE.
 - D5 REMOVE EXISTING FLOORING, BASE AND ACP CEILING. PATCH FLOORS AS REQUIRED.
 - D6 REMOVE AND DISPOSE OF EXISTING PLUMBING FIXTURES AND ALL RELATED PIPING AND ACCESSORIES.
 - D7 REMOVE AND DISPOSE OF EXISTING LOCKERS AND ALL RELATED ACCESSORIES AND HARDWARE.
 - D8 REMOVE EXISTING DOOR AND FRAME. RELOCATE TO NEW LOCATION. SEE FLOOR PLAN FOR LOCATION.
 - D9 REMOVE EXISTING TOILET PARTITION INCLUDING ALL FASTENING HARDWARE AND ACCESSORIES.
 - D10 REMOVE EXISTING CORNER GUARDS AND HANDRAIL/BUMPER RAILS. RETURN TO OWNER.
 - D11 RELOCATE EXIST. MED GAS CYLINDERS, MANIFOLD & ASSOCIATED PIPING TO EX. MECH ROOM B221 B. SEE SHEET A-1-20 FOR LAYOUT.
 - D12 RELOCATE EXIST. VACUUM PUMPS, ELECTRICAL PANELS, RECOVERY SYSTEM & ASSOCIATED PIPING TO EX. MECH ROOM B221 B. SEE SHEET A-1-20 FOR LAYOUT.

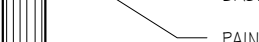
- DEMO PLAN LEGEND:**
- | | |
|---------------------------------------------------|---------------------------------------------------------|
| EXISTING WALL OR PARTITION TO REMAIN | EXISTING WALL/PARTITION OR EXISTING ITEMS TO BE REMOVED |
| EXISTING DOOR TO REMAIN | EXISTING DOOR & FRAME TO BE REMOVED |
| EXISTING BUILDING COMPONENT & STRUCTURE TO REMAIN | EXISTING ASSEMBLY TO BE REMOVED |
- NOTE:** ALL ITEMS SHOWN DARK AND DASHED ARE TO BE DEMOLISHED. U.N.O.



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2 DOOR JAMB DETAIL @ DOUBLE EGRESS
1 1/2" = 1'-0"

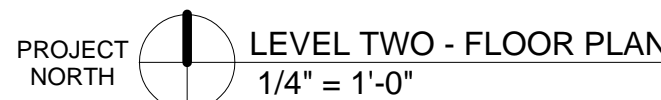


4 TYP. DOOR JAMB DETAIL @ INTERIOR STUD WALL
1 1/2" = 1'-0"



5 TYP. B.L. JAMB DETAIL @ INTERIOR STUD WALL
1 1/2" = 1'-0"

7 TYP. B.L. SILL DETAIL @ INTERIOR STUD WALL
1 1/2" = 1'-0"



FRAME TYPES (HOLLOW METAL)



DOOR TYPES

GENERAL CONDITIONS

1. DETAILS OF CONSTRUCTION NOT FULLY SHOWN SHALL BE OF THE SAME NATURE AS SHOWN FOR SIMILAR CONDITIONS.
2. DRAWINGS ARE NOT TO BE SCALED. ANY UNCLEAR DIMENSIONS OR DIMENSIONAL DISCREPANCIES SHALL BE VERIFIED WITH COTR. WA SUBMISSIONS OF REQUEST FOR INFORMATION.
3. ALL EXISTING CONDITIONS AND ALL RELATED DIMENSIONS INDICATED IN THE CONTRACT DISCREPANCIES SHALL BE FIELD VERIFIED PRIOR TO FABRICATION, ERECTION, AND/OR CONSTRUCTION.
4. CONSTRUCTION MANAGER (CM) / GENERAL CONTRACTOR (GC) TO REVIEW ENTIRE SET OF CONSTRUCTION DOCUMENTS, DRAWINGS & SPECIFICATIONS AND SHALL COORDINATE WORK BETWEEN ALL TRADES.

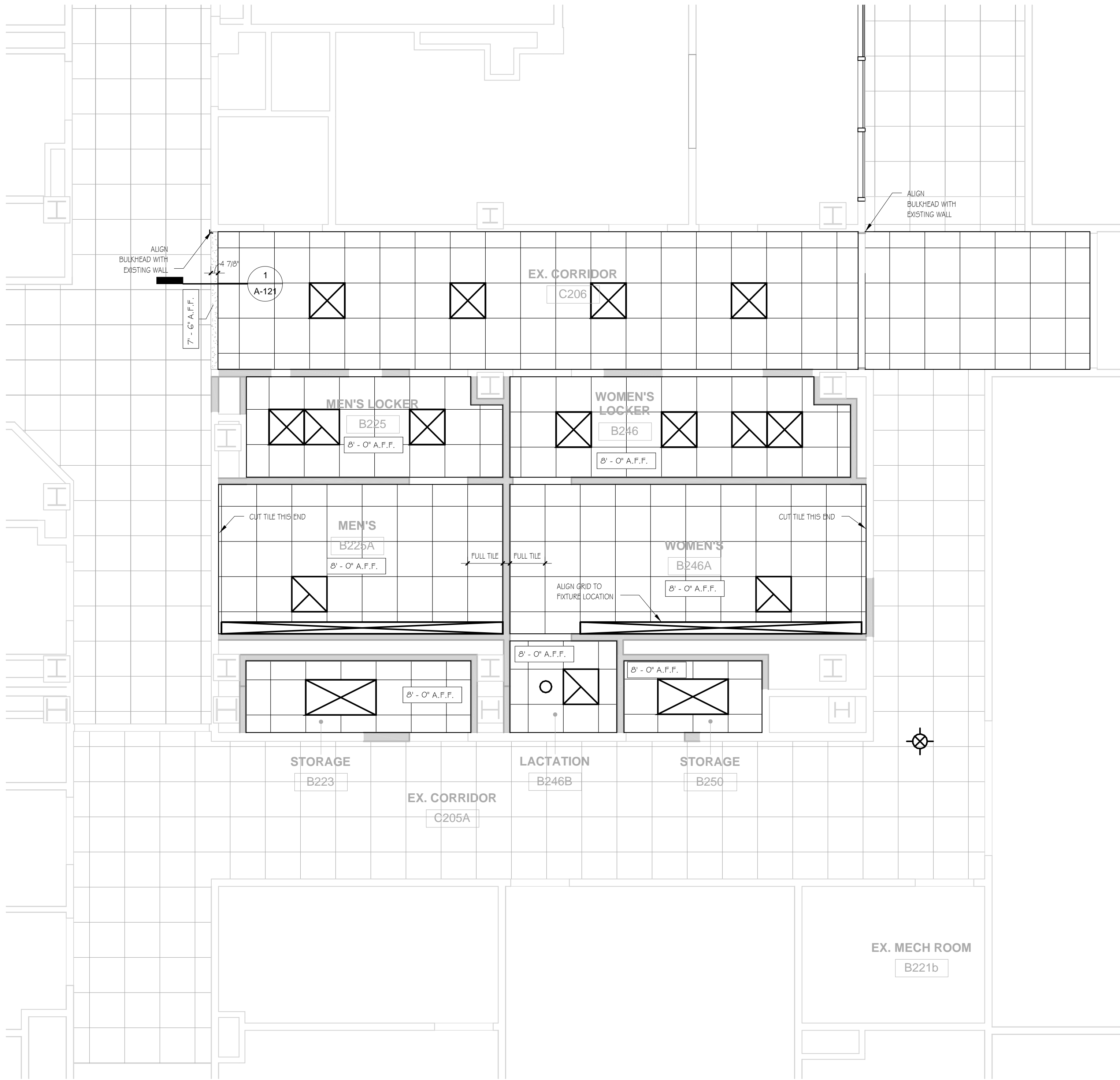
FLOOR PLAN GENERAL NOTES

- ALL DIMENSIONS ARE FROM FACE OF STIFF OR SURFACE OF EXISTING WALL
COORDINATE LOCATION OF ALL RECESSED OR EMBEDDED ITEMS SO AS NOT TO
INTERFERE WITH OTHER TRADES WORK.
1. ALL RECESSED ITEMS MUST BE RECESSED ACCESSORIES & EQUIPMENT
USE BALUNES ONLY AT ALL EXPOSED CORNERS, IDENTIFY WHERE CORNER
GUARDS ARE REQUIRED.
2. ADDITIONS OF OPENINGS, PENETRATIONS OR SUBSTITUTIONS IN THE FIELD SHALL
BE FIRST REVIEWED WITH ARCHITECT.
3. MASONRY WALLS THAT DO NOT LAY-OUT IN FIELDS OR RACK BLOCK LENGTHS
SHALL BE BALANCED SO AS NOT TO HAVE TALLER THAN 15 FEET.
4. LOOSE FLOOR DRAINS SO AS NOT TO INTERFERE WITH TALL PARTITION
SUPPLIES.
5. STEEL COULDS TO BE COMPLETELY ENCLOSED WITHIN WALL AT ALL
LOCATIONS.
6. PROVIDE INSULFIRE OR VAPOR ISOLATION MATERIAL BETWEEN DISJUNCT
MATERIALS OR IN CONTACT WITH ONE ANOTHER, TYPICAL.
7. PATCH & REPAIR ALL MAJOR & MINOR BLENDS AS REQD. DUE TO DEMOLITION
WORK. MATCH ADJACENT MATERIAL & COLOR.
8. INFILL EXISTING OPENINGS AS SHOWN. JOIN WITH AND PATCH TO MATCH
ADJACENT SURFACES.
9. C/D NOTES QTY. BOARD WALL COORD. ALIGN.

DOOR & FRAME GENERAL NOTES

1. ALL WOOD DOORS SHALL BE SOLID CORE, 1 3/4" THICK, U.N.O.
2. REFER TO SPECIFICATIONS FOR ANODIZED ALUMINUM FRAME COLORS & GLAZING
3. DO NOT GROUT FILL FOLLOWING METAL FRAMES.
4. SEE SPECIFICATIONS FOR HARDWARE SIZES
5. ALL DOORS WITH GLASS SHALL HAVE THE CAPABILITY OF BEING HELD OPEN, UNLESS FIRMED, U.N.O.
6. ALL OUTSIDE DIMENSIONS OF FRAME TYPES ARE ROUGH OPENING SIZES.
7. ALL OUTSIDE METAL FRAMES TO BE 2" PROFILE, U.N.O.
8. REFERENCE SHEET A-10 FOR FRAME TYPES
9. MANTAIN 2" MIN. 2" GAP BETWEEN OUTSIDE METAL SINK SIDE OF ALL DOOR JOINTS TO ALLOW FOR NEAREST ADJACENT WALL, WINDOW, FUTURE, ETC., U.N.O.
10. STUDY & DIMENSIONS FOR DOOR TYPES & LITES ARE REFLECTING DESIGN INTENT. DOOR MANUFACTURER TO SUBMIT THEIR STANDARD TYPES, U.N.O., PER OUR SPECIFICATIONS.
11. MIN = FOLLOW METAL
12. RO = ROUGH OPENING

DEPARTMENT OF
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PROJECT NORTH
DENTAL LOCKER REFLECTED CEILING PLAN
1/4" = 1'-0"

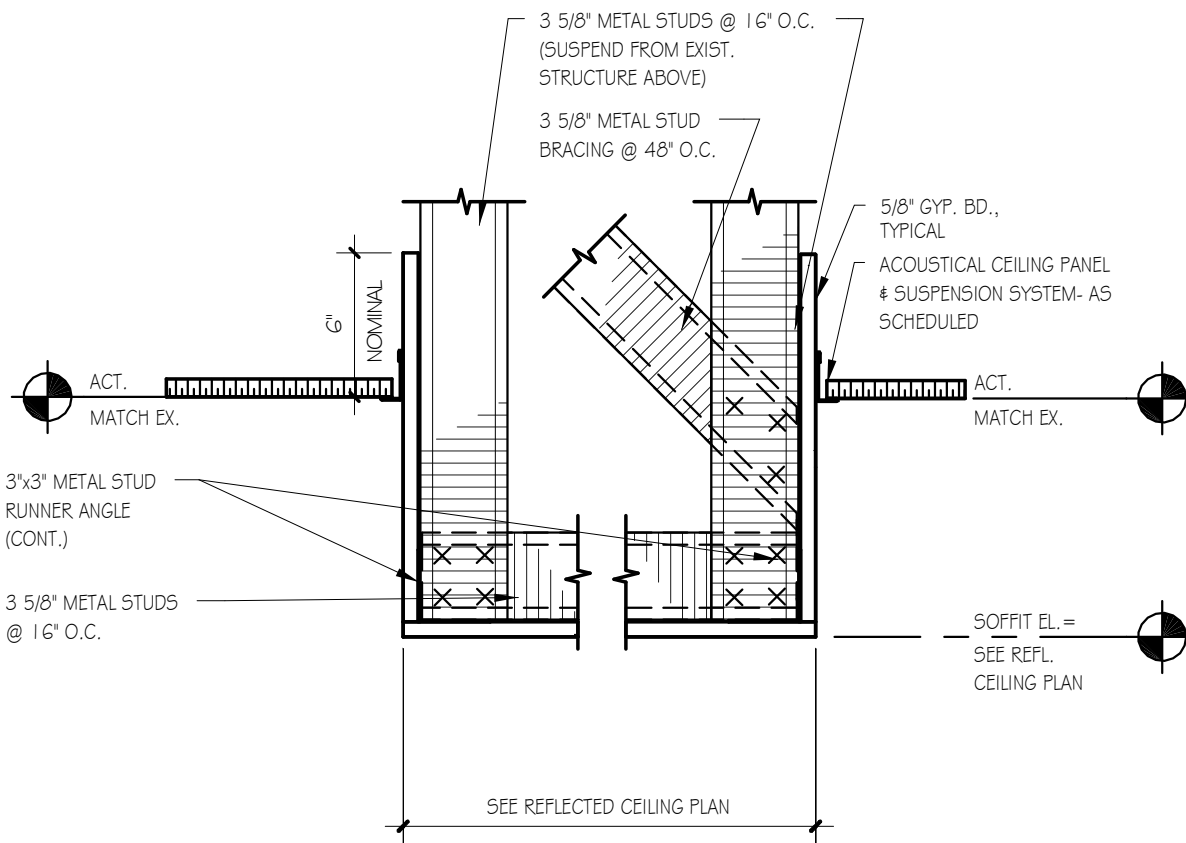
REFLECTED CEILING PLAN GENERAL NOTES

1. ALL CEILING GRIDS ARE TO BE CENTERED IN THE ROOM IN BOTH DIRECTIONS (AS SHOWN) U.N.O.
2. ALL NEW ACP CEILINGS TO MATCH EXISTING HEIGHT A.F.F. U.N.O.
3. SEE MECHANICAL, ELECTRICAL & THE PROTECTION DRAWINGS FOR OTHER APPLICABLE NOTES & ITEMS.
4. SEE SPECIFICATIONS FOR ADDITIONAL INFORMATION ABOUT CEILING SYSTEMS.

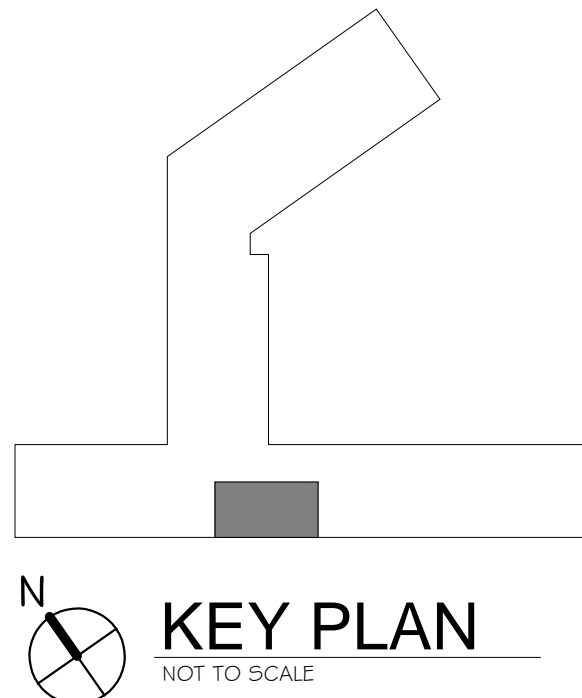
REFLECTED CEILING PLAN LEGEND

- 2'-0" X 2'-0" ACOUSTIC LAY-IN CEILING GRID- REFER TO SPECIFICATIONS FOR ADDITIONAL INFORMATION (U.N.O.).
- 5/8" DRYWALL, CEILING OR BULKHEAD (PAINT).
- XX'-XX" A.F.F. CEILING HEIGHT- ABOVE FINISH FLOOR
- 2x4 FLUORESCENT LIGHT
- 2x2 FLUORESCENT LIGHT
- RECESSED INCANDESCENT LIGHT FIXTURE
- EXIT LIGHT
- RETURN DIFFUSER, EXHAUST FAN

NOTE: SEE MECHANICAL AND ELECTRICAL PLANS FOR ADDITIONAL INFORMATION



1 TYP. BULKHEAD DETAIL
1 1/2" = 1'-0"



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REVISIONS:

DRAWING TITLE:
REFLECTED CEILING PLAN

ISSUED DATE:
11-23-11

BUILDING NUMBER:
1W - B

PLAT SCALE:
As Indicated

PROJECT: **DENTAL LOCKER REMODEL**

VA PROJECT NAME:
**RENOVATE DENTAL STAFF
RESTROOMS & LOCKER
ROOMS**

VA PROJECT NUMBER:
506-11-118

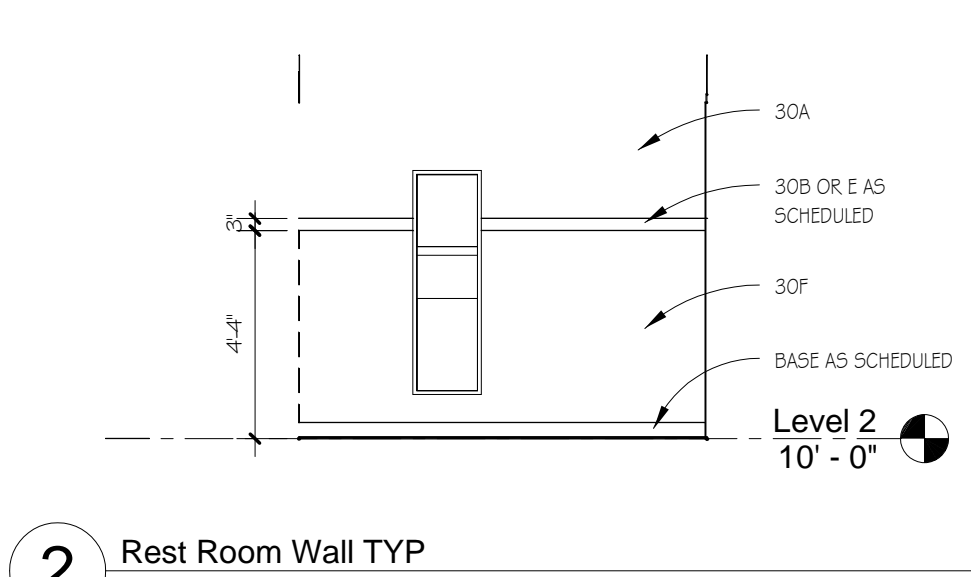
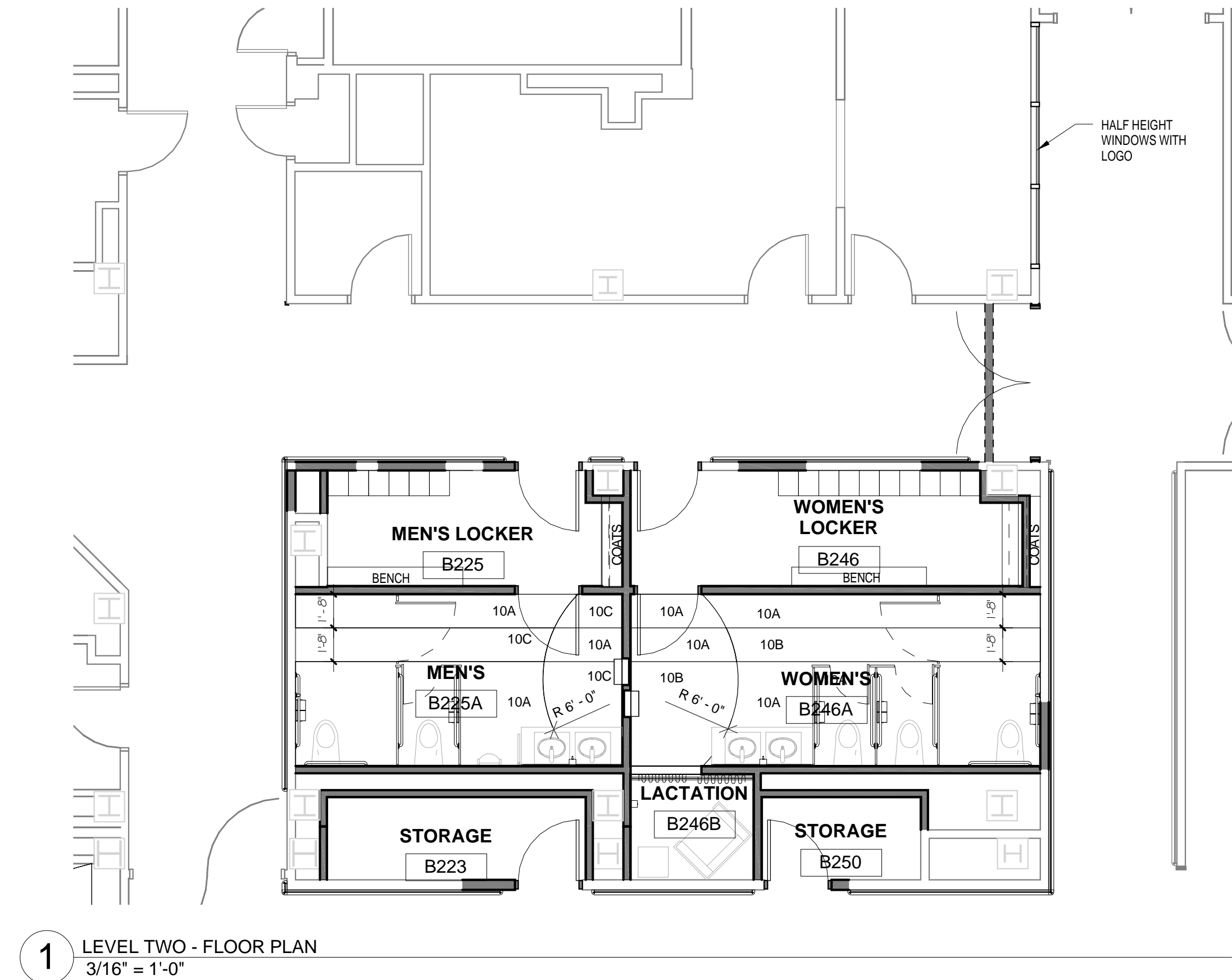
C2AE PROJECT NUMBER:
11-0074

DRAWING NUMBER:
A-121

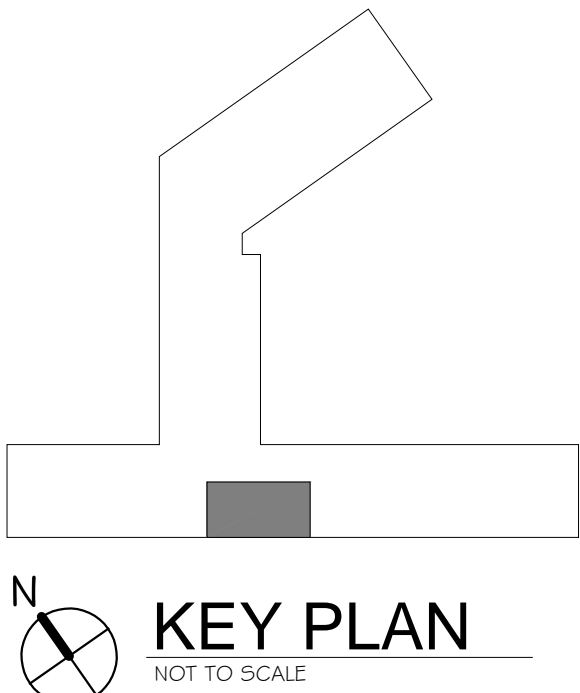
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ROOM FINISH SCHEDULE											
ROOM NO.	ROOM NAME	FLOORS		WALLS				CEILING FINISH	MILLWORK		REMARKS
		FINISH	BASE	NORTH	SOUTH	EAST	WEST		CABINET	COUNTER	
B250	STORAGE	10A	20A	30B	30B	30B	30B	40A	--	--	
B223	STORAGE	10A	20A	30B	30B	30B	30B	40A	--	--	
B246A	WOMEN'S	10A, 10B	20A	30A, 30E, 30F	30A, 30E, 30F	30A, 30E, 30F	30A, 30E, 30F	40A	50A	50B	70C, 80A, 80B
B225	MEN'S LOCKER	10A	20A	30C	30D	30C	30C	40A	--	--	70B, 80A
B225A	MEN'S	10A, 10C	20A	30A, 30B, 30F	30A, 30B, 30F	30A, 30B, 30F	30A, 30B, 30F	40A	--	--	70C, 80A, 80B
B246	WOMEN'S LOCKER	10A	20A	30C	30D	30C	30C	40A	50A	50B	70B, 80A
B246B	LACTATION	10A	20A	30C	30C	30C	30C	40A	--	--	60A
B221b	EX. MECH ROOM	--	--	--	--	--	--	--	--	--	80C
C206	EX. CORRIDOR	--	--	--	--	--	--	--	--	--	80C
C205A	EX. CORRIDOR	--	--	--	--	--	--	--	--	--	80C

MATERIALS SCHEDULE					
CODE	MATERIAL	MANUFACTURER	STYLE	PATTERN & COLOR	NOTES
10 FLOORS					
10A	RUBBER	JOHNSONITE	24" TILE	OLIVE FIELD: 29, ACCENTS: 21, 45, 151, 163	QUOTE 9465
10B	RUBBER	JOHNSONITE	24" TILE	OLIVE FIELD: 151, ACCENTS: 21, 29	
10C	RUBBER	JOHNSONITE	24" TILE	OLIVE FIELD: 163, ACCENTS: 09, 45	
20 BASE					
20A	RUBBER	JOHNSONITE	4" COVE	29 MOON ROCK	
30 WALLS					
30A	CERAMIC PAINT	GRAHAM	SATIN	COLOR TO MATCH BENJAMIN MOORE 2147-40 BILL PICKLE	
30B	CERAMIC PAINT	GRAHAM	SATIN	COLOR TO MATCH SHERWIN WILLIAMS 7072 ONLINE	
30C	CERAMIC PAINT	GRAHAM	SATIN	COLOR TO MATCH SHERWIN WILLIAMS 6109 HOPSACK	
30D	CERAMIC PAINT	GRAHAM	SATIN	COLOR TO MATCH SHERWIN WILLIAMS 6166 ECLIPS	
30E	CERAMIC PAINT	GRAHAM	SATIN	COLOR TO MATCH BENJAMIN MOORE 2078-10 ROSEATE	
30F	VINYL	DESIGN TEX	WALL DEFENSE	.45 GAGE 6075 JUPATI-501 SEEDLING	WAINSCOT 4'-4" A.F.F., PAINT ABOVE, BUTT JOINT SEAMS. SEE 70A AND 80B.
40 CEILINGS					
40E	ACOUSTIC CEILING PANEL	ARMSTRONG	ULTIMA	2X2 REGULAR	
40F	CERAMIC PAINT	GRAHAM	SATIN	WHITE	
50 MILLWORK					
50A	LAMINATE	WILSHART	MATTE	7953 HARVEST MAPLE	
50B	SOLID SURFACE	LG HAUSYIS	MATTE	SEA OAT QUARTZ G36	
60 FABRIC					
60A	TREVIRA CS POLYESTER	CARNEGIE	SIGNATURE 4392	G7	2 TOTAL, FOR REPLACEMENT DURING LAUNDRY
70 MISCELLANEOUS					
70A	VINYL	JOHNSONITE	COVE CAP SCC-09-A	09 CLAY	
70B	STEEL LOCKERS			MATCH REPUBLIC 55 BURGUNDY	
70C	PARTITIONS	TRESPA	VIRTUON J51.0.1RT	ALUMINIUM GRAY WITH ROCK TEXTURE	
80 NOTES					
80A	SEE FLOOR PATTERN PLAN				
80B	SEE ELEVATION				
80C	PATCH AND MATCH EXISTING VCT FLOOR TILE, WALL PAINT COLORS, ACOUSTICAL CEILING PANEL AND GRID, AS WELL AS VINYL HAND RAIL/DUMPER RAIL UNLESS OTHERWISE NOTED				



- ROOM FINISH GENERAL NOTES**
- TOILET PARTITIONS SHALL BE SOLID PLYWOOD TO MATCH 70C OF MATERIALS SCHEDULE, OR EQUAL APPROVED BY ARCHITECT/OWNER.
 - ELECTRICAL DEVICES SUCH AS PLUG MOLDS, CHASES, PANELS, ETC. SHALL BE PAINTED TO MATCH ADJACENT WALL COLOR. ELECTRICAL RECEPTACLE COVER PLATES (EXCEPT IN WOOD), SWITCH PLATES & TOGGLES, TELEPHONE/DATA COVER PLATES (EXCEPT IN WOOD) SHALL BE STAINLESS STEEL. THERMOSTAT COVERS SHALL BE COLOR WHITE. ANY ELECTRICAL DEVICES MOUNTED IN WOOD PANELING, WAINSCOT OR TRIM SHALL MATCH THE FINISH/COLOR OF THE ADJACENT WOOD.
 - NOT USED.
 - ANY EXPOSED MECHANICAL GRILLES, METAL PANELS, TRIM DEVICES SHALL BE PAINTED TO MATCH ADJACENT SURFACE COLOR.
 - NOT USED.
 - INTERIOR HOLLOW METAL DOORS, DOOR FRAMES, AND WINDOW FRAMES SHALL BE PAINTED TO MATCH ADJACENT WALL COLOR. DOOR FRAME COLOR CHANGES SHALL OCCUR ON STOP AS IF DOOR IS IN CLOSED POSITION WITH THE DOOR AND FRAME SHOWING AS ONE COLOR.
 - WOOD DOORS, DOOR FRAMES AND WINDOW FRAMES SHALL BE STAINED.
 - FLOORING TRANSITIONS SHALL BE CENTERED UNDER DOOR WHILE IN CLOSED POSITION. PROVIDE TRANSITION STRIP BETWEEN ALL FLOORING MATERIAL TRANSITIONS.
 - NOT USED.
 - NOT USED.
 - GYP. BD. CEILINGS AND BULKHEADS TO BE PAINTED, U.N.O.
 - SEE FLOOR PLANS / FINISH PLANS FOR LOCATIONS OF CORNER GUARDS.
 - NOT USED.
 - SEE INTERIOR ELEVATIONS FOR ADDITIONAL INFORMATION REGARDING INTERIOR FINISHES.
 - ALL EXPOSED WOOD TRIM AND VENER SHALL BE HARDWOOD, STAINED, AND VARNISHED.
 - MANUFACTURERS TRADE NAMES AND NUMBERS USED HEREIN ARE ONLY TO IDENTIFY COLORS, FINISHES, TEXTURES, AND PATTERNS. PRODUCTS OF OTHER MANUFACTURERS EQUIVALENT TO COLORS, FINISHES, TEXTURES, AND PATTERNS OF MANUFACTURERS LISTED THAT MEET REQUIREMENTS OF TECHNICAL SPECIFICATIONS WILL BE ACCEPTABLE UPON APPROVAL IN WRITING BY CONTRACTING OFFICER.



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REVISIONS:

DRAWING TITLE:
ROOM FINISH SCHEDULES

ISSUED DATE:
11-23-11

BUILDING NUMBER:
1W - B

PROJECT:
DENTAL LOCKER REMODEL

VA PROJECT NAME:
RENOVATE DENTAL STAFF
RESTROOMS & LOCKER
ROOMS

VA PROJECT NUMBER:
506-11-118

DATE PROJECT NUMBER:
11-0074

DRAWING NUMBER:
I-600

DEPARTMENT OF
VETERANS AFFAIRS



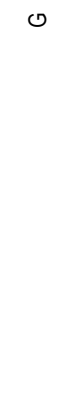
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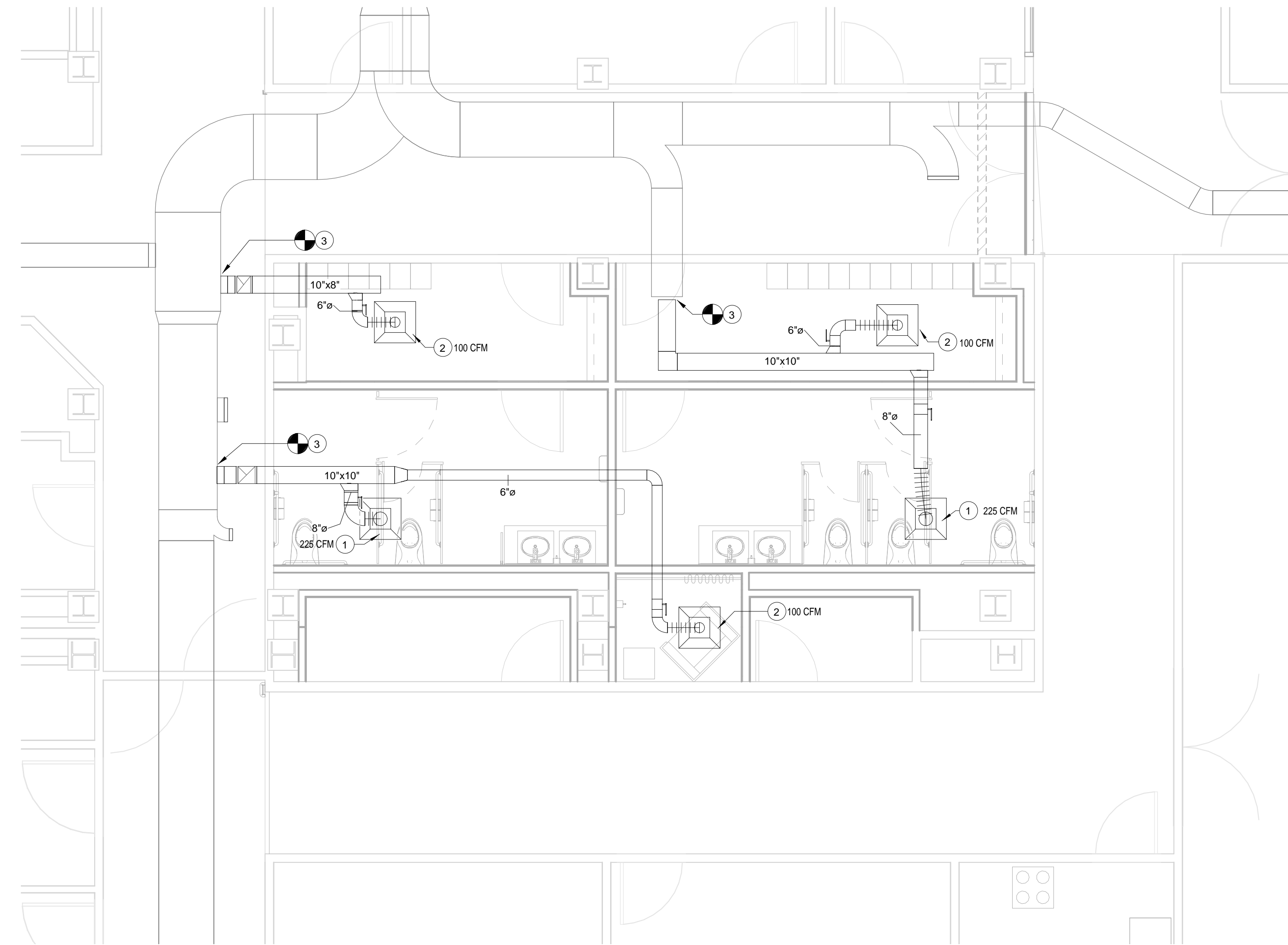
- 1 REMOVE EXISTING DUCTWORK, HANGERS, ETC.
- 2 EXISTING DUCTWORK TO REMAIN.
- 3 REMOVE EXISTING AIR DISTRIBUTION DEVICE.
- 4 CAP EXISTING DUCTWORK.

3

6

- ① REMOVE EXISTING PLUMBING FIXTURE AND RELATED PIPING. PATCH EXISTING FLOOR AND WALL PENETRATIONS TO MATCH EXISTING SURFACES.
- ② REMOVE EXISTING PIPING, HANGARS, ETC.
- ③ CAP EXISTING PIPING.
- ④ EXISTING WASTE AND VENT RISERS TO REMAIN.
- ⑤ EXISTING HOT AND COLD WATER RISERS TO REMAIN. REMOVE EXISTING HOT AND COLD WATER PIPING SERVING EXISTING FIXTURES BEING REMOVED.
- ⑥ EXISTING PIPING TO REMAIN.

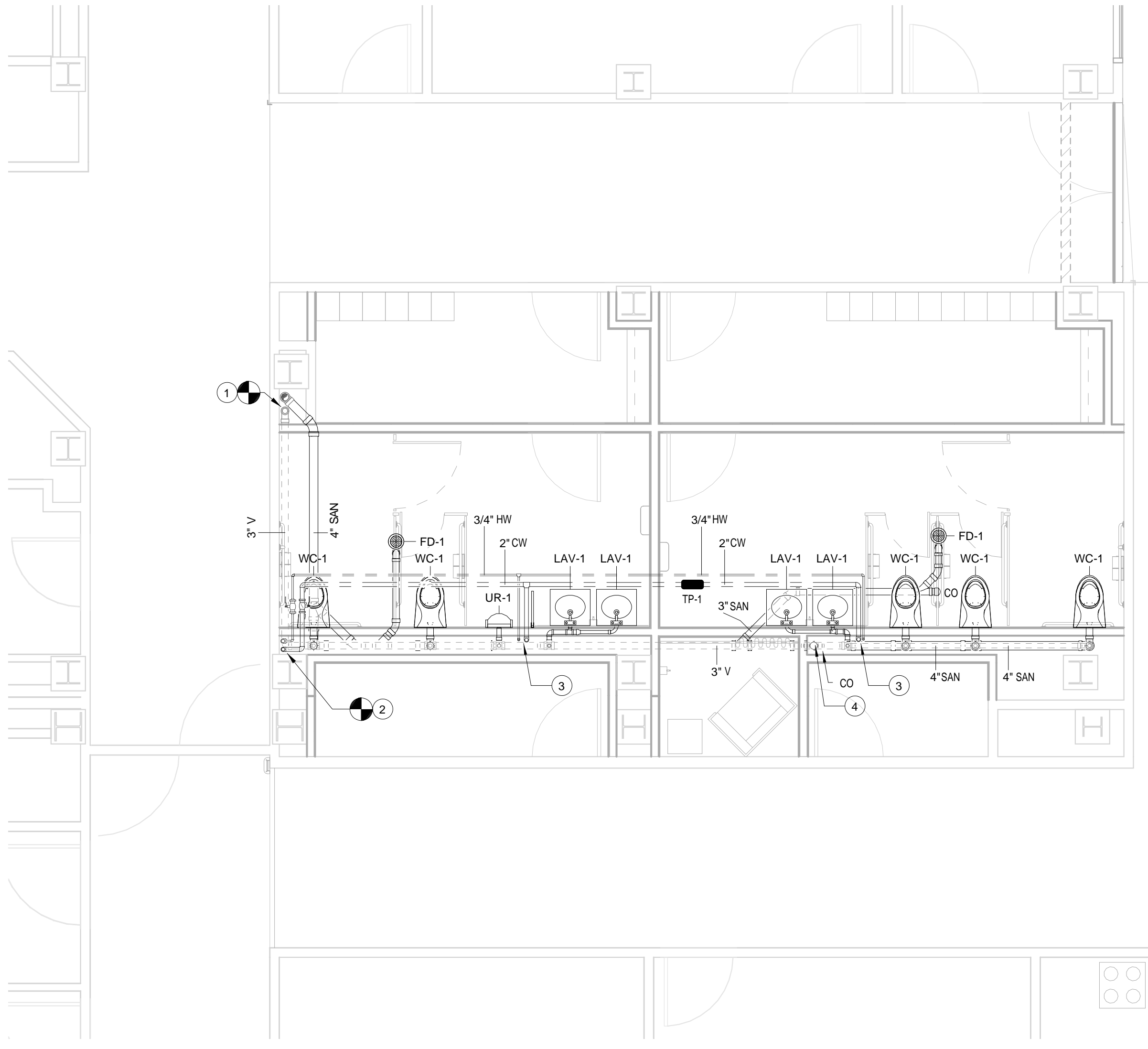
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1 LEVEL TWO - HVAC FLOOR PLAN
1/4" = 1'-0"

KEYNOTES - HVAC:

- 1 8"Ø EG-1
- 2 6"Ø EG-1
- 3 CONNECT NEW EXHAUST DUCTWORK TO EXISTING.



2 LEVEL TWO - PLUMBING FLOOR PLAN
1/4" = 1'-0"

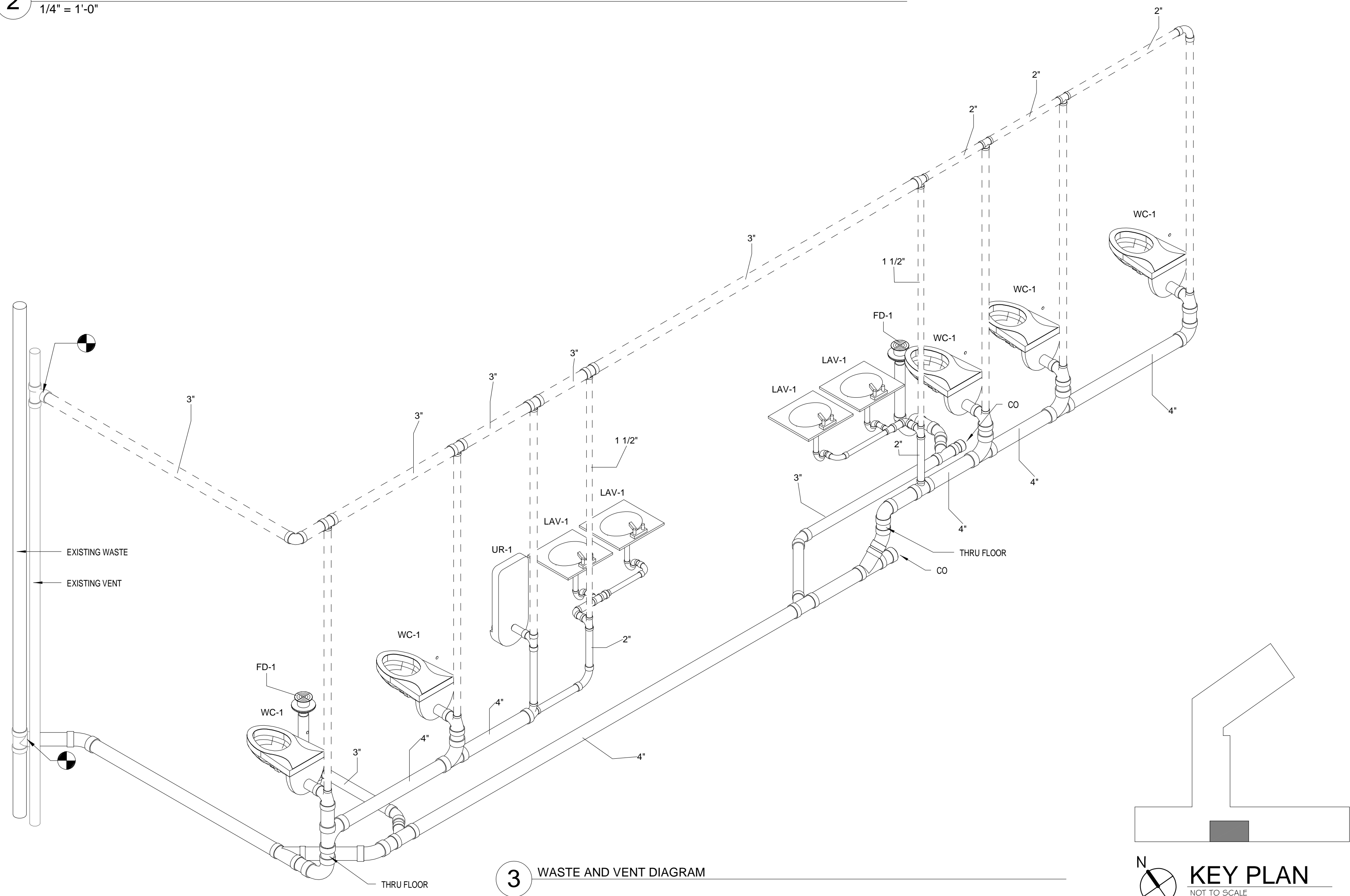
KEYNOTES - PLUMBING:

- 1 CONNECT NEW 4" WASTE AND 3" VENT PIPING TO EXISTING RISERS.
- 2 CONNECT NEW 2" CW AND 3/4" HW TO EXISTING RISERS WITH SHUT-OFF VALVES.
- 3 2" CW AND 3/4" HW DOWN TO FULL SIZE HEADERS. REFER TO FIXTURE CONNECTION SCHEDULE FOR FIXTURES CONNECTION SIZES.
- 4 4" WASTE PIPING THRU FLOOR.

GRILLE, REGISTER & DIFFUSER SCHEDULE											
MARK	MANUFACTURER	MODEL	DESCRIPTION	FRAME	FINISH	MATERIAL	FACE SIZE	DAMPER	MAX NC	PATTERN	REMARKS
EG-1	TITUS	50FF	LAY-IN	BORDER TYPE 3	WHITE	ALUMINUM	24 x 24	NO	20	-	PROVIDE WITH SQUARE TO ROUND DUCT ADAPTER. SEE PLANS FOR ROUND DUCT SIZE.


PLUMBING FIXTURE SCHEDULE					DESCRIPTION	
TAG	FUNCTION	FIXTURE	MODEL NUMBER			
WC-1	ADA WALL HUNG WATER CLOSET	WC	KOHLER MODEL K4330		WALL HUNG WATER SAVER, ELONGATED BOWL, SIPHON JET ACTION, VITREOUS CHINA, 1.6 GPF. MOUNT TO ARCHITECTURAL DETAIL. PROVIDE WITH WALL CARRIER.	
		SEAT	CHURCH MODEL 9500C		OPEN FRONT, LESS COVER.	
		FLUSH VALVE	SLOAN MODEL 8111-1.6 LH-MC		OPTIMA PLUS, BATTERY-POWERED, SENSOR-OPERATED, LOW-CONSUMPTION FLUSH VALVE, LESS HANDLE OPENING, WITH METAL COVER. PROVIDE WITH 1-1/2" SPUD, CHECK/STOP, AND VACUUM BREAKER.	
UR-1	WALL HUNG URINAL	URINAL	KOHLER MODEL K4860-ET		WALL HUNG, 1.0 GPF, VITREOUS CHINA, SIPHON JET ACTION WITH FLUSHING RIM. PROVIDE WALL HANGERS. MOUNT TO ARCHITECTURAL ELEVATION.	
		FLUSH VALVE	SLOAN MODEL 8186-1.0 LH-MC		OPTIMA PLUS, BATTERY-POWERED, SENSOR-OPERATED, LOW-CONSUMPTION FLUSH VALVE, LESS HANDLE OPENING, WITH METAL COVER. PROVIDE WITH 3/4" SPUD, CHECK/STOP, AND VACUUM BREAKER.	
LAV-1	ADA UNDERMOUNTED LAVATORY	SINK	AMERICAN STANDARD MODEL 0496.221		VITREOUS CHINA WITH UNGLAZED RIM FOR UNDERMOUNTING, APPROXIMATELY 19" IN DIAMETER, FRONT OVERFLOW. MOUNT UNIT UNDER COUNTERTOP. SUPPORT COUNTERTOP WITH ASME/ANSI A112.19.1M, TYPE 1, CHAIR CARRIER WITH EXPOSED ARMS.	
		TRIM	SLOAN MODEL ETF-80-S-B-ADM		DECK MOUNT, ELECTRONIC LAVATORY FAUCET WITH INFRARED SENSOR, TRIM PLATE FOR 8" CENTERS WITH ANTI-ROTATION PIN. ABOVE DECK MANUAL MIXING VALVE, BOX MOUNT 24VAC TRANSFORMER, SOLID CAST BRASS CONSTRUCTION AND CENTRALLY EXPOSED RIGID OUT. PROVIDE 2.2 GPM VANDAL-RESISTANT LAMINAR FLOW CONTROL DEVICE. FAUCET, WALL AND FLOOR ESCUTCHEONS SHALL BE EITHER COPPER ALLOY OR CRS. EXPOSED METAL PARTS, INCLUDING EXPOSED PART UNDER VALVE HANDLE WHEN IN OPEN POSITION, SHALL BE CHROME PLATED WITH A SMOOTH BRIGHT FINISH. ASSE 1016 LISTED FOR SINGLE FIXTURE USE.	
FD-1		MIXING VALVE	WATTS USG-B		CAST IRON FLOOR DRAIN WITH FLANGE, INTEGRAL CLAMPING COLLAR, SEEPAGE OPENINGS, 1/2" PLUGGED PRIMER TAP, AND ADJUSTABLE SQUARE NICKEL BRONZE STRAINER WITH VANDAL PROOF SCREWS.	
TP-1	FLUSH OPERATED	FLUSH OPERATED	TRAP PRIMER		AUTOMATIC TRAP PRIMING VALVE FOR UP TO 6 DRAINS AS INDICATED. ACTIVATE UPON A DROP IN LINE PRESSURE WITH DISTRIBUTION UNIT AND AIR GAP FITTING.	

NOTE:
MANUFACTURER'S TRADE NAMES AND NUMBERS USED HEREIN ARE ONLY TO IDENTIFY COLOR, STYLE, TYPE AND OPERATION.
PRODUCTS OF OTHER MANUFACTURER'S EQUIVALENT TO COLOR, STYLE, TYPE AND OPERATION OF MANUFACTURER'S
LISTED THAT MEET REQUIREMENTS OF TECHNICAL SPECIFICATIONS WILL BE ACCEPTABLE UPON APPROVAL IN WRITING BY
CONTRACTING OFFICER.



3 WASTE AND VENT DIAGRAM

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REVISIONS:

DRAWING TITLE:
MECHANICAL AND PLUMBING PLANS

ISSUED DATE:
11-23-11

PROJECT:
DENTAL LOCKER REMODEL

BUILDING NUMBER:
1W - B

PLOT SCALE:
As Indicated

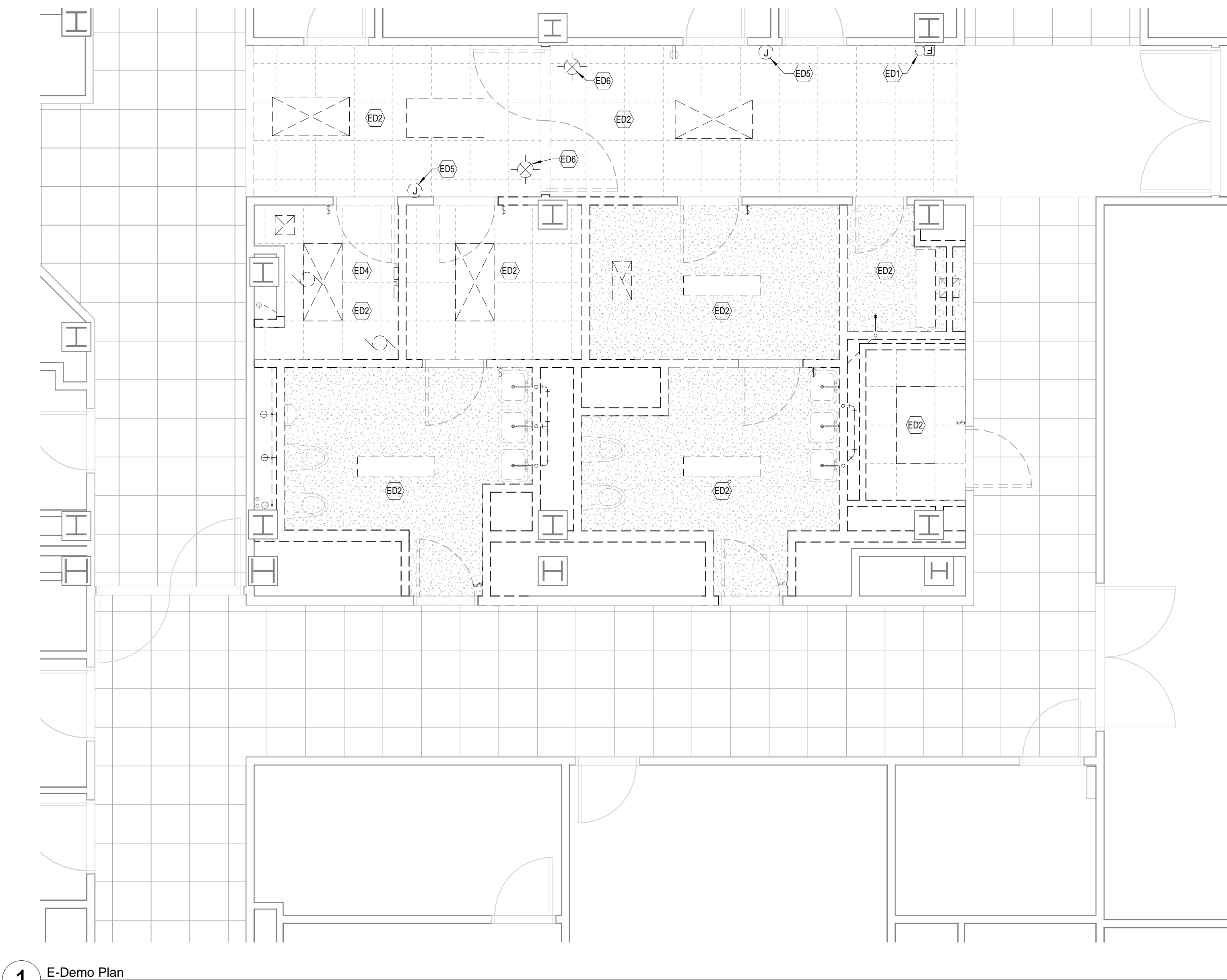
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ROOMS

VA PROJECT NUMBER:
506-11-118

C2AE PROJECT NUMBER:
11-0074

DRAWING NUMBER:
M-120

DEPARTMENT OF
VETERANS AFFAIRS



1 E-Demo Plan
1/4" = 1'-0"

GENERAL ELECTRICAL DEMOLITION NOTES:

- NOT ALL KEYED NOTES MAY BE APPLICABLE TO EACH SHEET.
- NOT ALL DEVICES TO BE DEMOLISHED ARE SHOWN. ELECTRICAL CONTRACTOR IS TO FIELD VERIFY AND COORDINATE WITH CONSTRUCTION MANAGER AND ALL OTHER TRADES.
- ALL EXISTING PANELBOARDS HAVING BRANCH CIRCUITS BEING REMOVED ARE TO BE PROVIDED WITH A NEW CIRCUIT INDEX CREATED AND INSTALLED WITH UNUSED CIRCUITS LABELED AS SPARE.
- ALL CIRCUITS, DEVICES, SWITCHES, LUMINAIRES, ETC. NOT BEING DEMOLISHED ARE TO REMAIN FULLY FUNCTIONAL.

KEYNOTE LEGEND - ELECTRICAL DEMOLITION

- ED1 DEMOLISH EXISTING HORN/STROBE.
- ED2 DEMOLISH ALL EXISTING POWER, LIGHTING, SWITCHING, DATA, AND SECURITY IN THIS ROOM.
- ED3 REMOVE AND RECONNECT EXISTING SPEAKER AS REQUIRED FOR NEW CORRIDOR LAYOUT.
- ED4 DISCONNECT EXISTING PUMPS AND RELOCATE EXISTING PUMP DISCONNECTS. WORK SHALL BE COORDINATED WITH RELOCATION OF PUMPS TO MINIMIZE DOWNTIME OF NORMAL OPERATIONS.
- ED5 DEMOLISH EXISTING AUTOMATIC DOOR CONTROLS AND ASSOCIATED DOOR EQUIPMENT.
- ED6 DEMOLISH EXISTING EXIT SIGNAGE.

ELECTRICAL ABBREVIATIONS

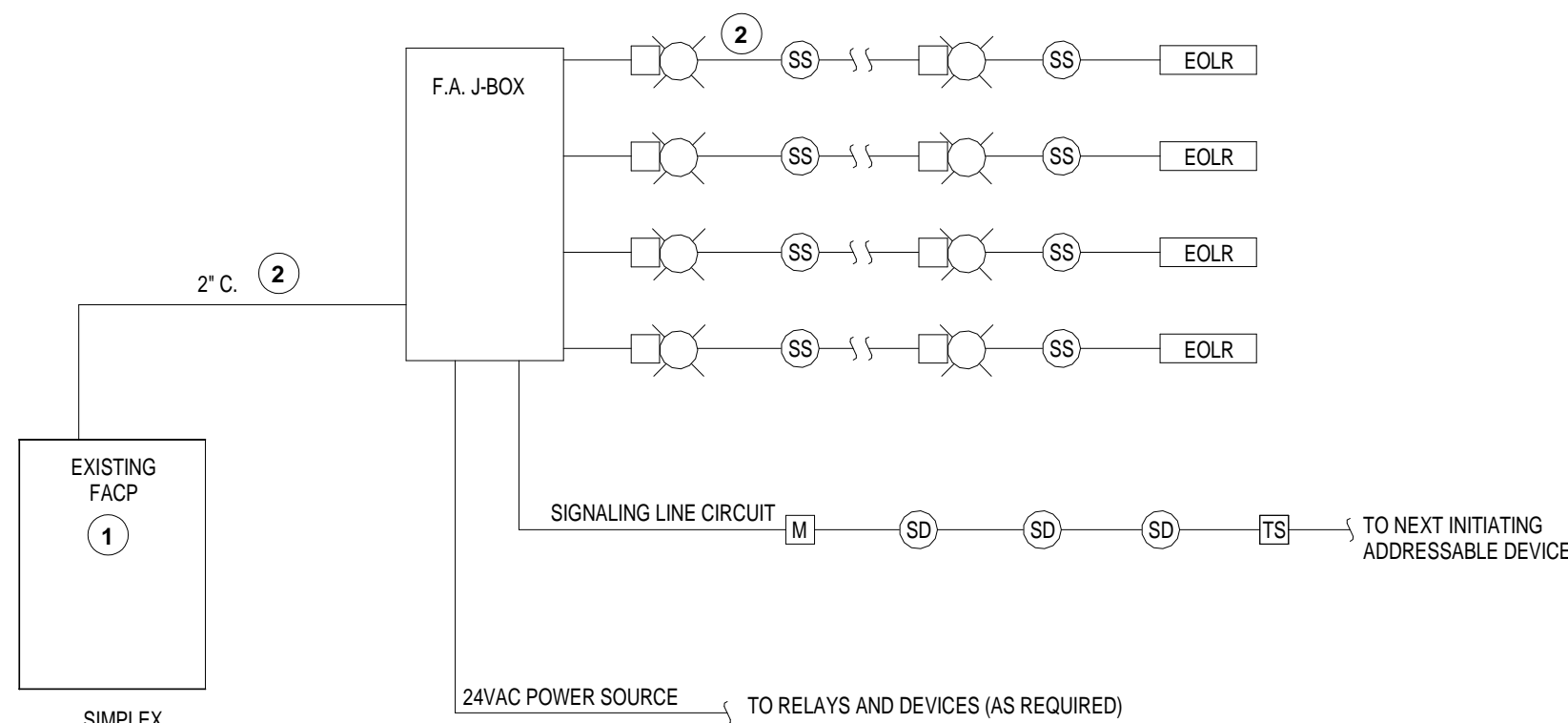
AFF	ABOVE FINISH FLOOR	NEC	NATIONAL ELECTRIC CODE
AMP OR A	AMPERES	NEMA	NATIONAL ELECTRICAL MANUFACTURERS ASSOCIATION
ATS	AUTOMATIC TRANSFER	NC	NORMALLY CLOSED CONTACT
AWG	AMERICAN WIRE GAUGE	NO	NORMALLY OPEN CONTACT
BLDG	BUILDING	NTS	NOT TO SCALE
C	CONDUIT	OL	OVERLOADS-THERMAL
CKT	CIRCUIT	OC	DOOR CONTROL PANEL
CP	COPPER	OLC	OUTDOOR LIGHTING CONTRACTOR
CHH	CONTROL PANEL	PB	PULL BOX
CMH	COMMUNICATIONS HAND HOLE	P	POLE
(E)	COMMUNICATIONS MANHOLE	Φ	PHASE
D	DATA	PFR	POWER FAILURE RELAY ENCLOSURE
EXT	EXTERNAL	PLC	PROGRAMMABLE LOGIC CONTROLLER
EX	EXISTING	PNL	PANEL
EMT	ELECTRICAL METALLIC TUBING	PH	PHASE
EHH	ELECTRICAL HAND HOLE	PC	PHOTO-SWITCH
EMH	ELECTRICAL MANHOLE	PTT	PUSH-TO-TEST
EXISTING	EXISTING	RMC	RIGID METAL CONDUIT
FF	FINISHED FLOOR	R	RELAY
(F)	FIELD LOCATED	SW	SWITCH
FACP	FIRE ALARM CONTROL PANEL	SH	SHIELDED
GFI	GROUND FAULT PROTECTION	SPEC	SPECIFICATION
GND	GROUND	SWD	SWITCHING DUTY
HH	HAND HOLE	SZ	SIZE
HID	HIGH INTENSITY DISCHARGE	SASW	SAFETY SWITCH
HOA	HAND-OFF-AUTO SELECTOR SWITCH	SC	VARIABLE FREQUENCY DRIVE
INC	INTERMEDIATE METAL CONDUIT	TYP	TYPICAL
JB	JUNCTION BOX	TEL	TELEPHONE
KVA	KILO VOLT-AMPERES	TB	TERMINAL BOX
KW	KILO WATTS	UL	UNDERWRITERS LABORATORY
KVAR	KILO VOLT-AMPERES REACTIVE	UON	UNLESS OTHERWISE NOTED
LC	LIGHTING CONTRACTOR	V	VOLT
MH	MANHOLE	VM	VOLT METER
MDP	MAIN DISTRIBUTION PANEL	VFC	VARIABLE FREQUENCY CONTROLLER
MCC	MOTOR CONTROL CENTER	VSC-X	VENTILATION CONTROL STATION, TYPE X
MCP	MIXER CONTROL PANEL	W	WATT
MC	MOTOR CONTROLLER	WP	WEATHER PROOF
MLO	MAIN LUGS ONLY	W	WITH
MTD	MOUNTED	XF	TRANSFORMER
MFR	MANUFACTURER'S	XXAF	XX AMPERE FUSE
MSB	MAIN SWITCHBOARD	XXAS	XX AMPERE SWITCH
		XP	X POLES

GENERAL SECURITY NOTES

- CONTRACTOR SHALL PROVIDE ALL INTERCONNECTION CABLES FOR ALL SYSTEMS. ALL CABLES SHALL HAVE WRAP-AROUND LABELS AT EACH END.
- THE CONTRACTOR SHALL SUPPLY ANY AND ALL BALUNS, COUPLERS, ADAPTERS, AND CONVERTERS THAT ARE REQUIRED FOR THE INTERCONNECTION OF ALL THE SECURITY COMPONENTS.
- THE CAMERA CABLES SHALL TRANSPORT ALL VIDEO AND CONTROL SIGNALS AND POWER CABLES.
- CONTRACTOR SHALL PROVIDE THE CORRECT CAMERA MOUNT BASED ON CAMERA LOCATION AND STRUCTURE AVAILABLE.
- CONNECT EACH EXTERIOR AND PTZ CAMERA TO A POWER SUPPLY. SIZE THE POWER SUPPLIES AS REQUIRED FOR EACH CAMERA.
- CONTRACTOR SHALL INSTALL AND CONFIGURE REMOTE VIEWING AND CONTROL SOFTWARE ON A MINIMUM OF TWO OF THE OWNER'S PCs.
- CONTRACTOR SHALL MEET WITH THE OWNER AND DETAIL ALL THE CAPABILITIES OF THE SYSTEM. THE CONFIGURATION OF THE SYSTEM SHALL BE FINALIZED BY THE CONTRACTOR WITH SIGN-OFF BY THE OWNER.
- WHERE THE CAMERA IS NOT INSTALLED INTO A DROP CEILING, THE CONTRACTOR SHALL PROVIDE A MOUNT AND HOUSING.
- ALL STATIONARY, INDOOR CAMERAS SHALL BE POWERED FROM THE ETHERNET SWITCH. ETHERNET SWITCH IS BY THE CONTRACTOR.
- CONTRACTOR SHALL PROVIDE THE CORRECT LENS TO EACH CAMERA BASED ON THE INSTALLED LOCATION AND THE OWNER'S REQUIREMENTS FOR THE FIELD OF VIEW. WORK WITH THE OWNER DURING INSTALLATION.
- NETWORK VIDEO RECORDER (NVR) SHALL BE LOCATED IN THE COMMUNICATIONS ROOM A673.

CONNECTIVITY GENERAL NOTES - INSTALLATION GENERAL NOTES

- REFER TO THESE NOTES FOR ALL CONNECTIVITY CODES. FOR SPECIALIZED NOTES, SEE THE ACTUAL CONNECTIVITY DETAIL.
- ROUTE ALL USER CABLES FROM THE RACK OR CABINET, THROUGH THE CABLE TRAY FROM THE CABLE TRAY TO THE CONDUIT SLEEVE PROVIDE 'J' HOOKS ON LADDER TRAY TO SUPPORT CABLES.
- CABLES SHALL BE SUPPORTED NO LESS THAN EVERY 5 FEET.
- PROVIDE A SMALL LOOP OF 2 FEET OF CABLE ABOVE THE CEILING PRIOR TO INSTALLING THE CABLE IN THE USER CONDUIT OR RACEWAY.
- ROUTE THE CABLE THROUGH THE CONDUIT OR RACEWAY AND TO THE WALLBOX OR FLOOR BOX. PROVIDE ENOUGH EXTRA CABLE FOR TERMINATION AND MAINTENANCE.
- TERMINATE ALL CABLES WITH THE CORRECT LC CONNECTORS.
- ALL CONNECTORS SHALL BE INSERTED INTO THE KEYSTONE PLATES AND THEN THE KEYSTONE PLATES SHALL BE INSTALLED INTO THE FACEPLATES.
- INSTALL FACEPLATES TO THE BOXES OR DIRECTLY TO THE WALL OR FURNITURE IN THE CASE OF SURFACE MOUNT BOXES.
- EACH CABLE SHALL HAVE A LASER-PRINTED, SELF-LAMINATING WRAP-AROUND LABEL AT EACH END. SEE DETAILS ON DRAWING E-502.
- OUTLETS SHALL BE AT 18" AFF UNLESS NOTED ON THE DETAILS OR PLAN DRAWINGS.
- LABEL EACH FACEPLATE WITH A LASER-PRINTED LABEL THAT IS INSTALLED BEHIND THE CLEAR PLASTIC LABEL STRIP. WHERE NO LABEL STRIP IS PROVIDED, THE CONTRACTOR SHALL INSTALL A LASER-PRINTED ADHESIVE LABEL WHERE SPECIFICALLY NOTED. THE CONTRACTOR SHALL INSTALL ENGRAVED LAMACOID LABELS.
- AFTER INSTALLATION, ALL CABLES SHALL BE TESTED. SEE SPECIFICATIONS FOR TESTING REQUIREMENTS.
- FOR AUDIO AND VIDEO CONNECTIONS, THE CONTRACTOR SHALL ROUTE SIGNALS ACROSS THE CABLES FOR TESTING.

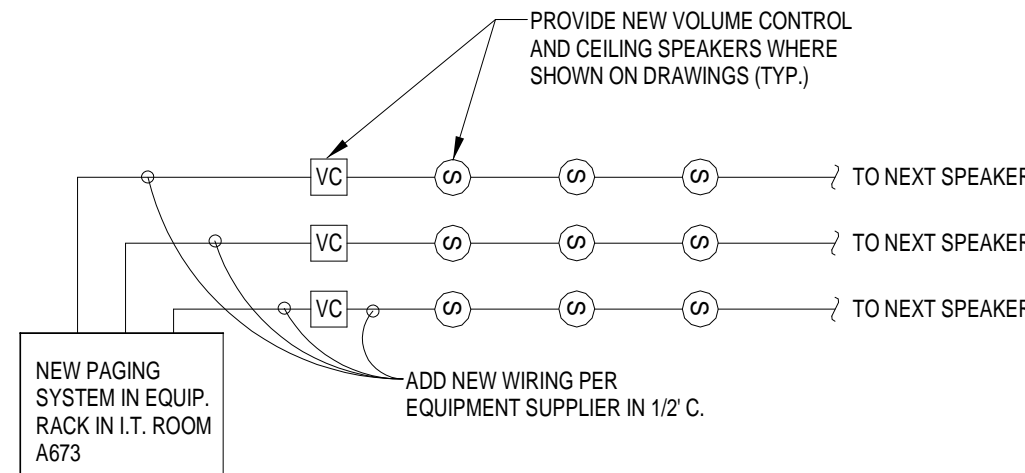


NOTE: DEVICES SHOWN ON PLANS ONLY WHERE LOCATION IS CRITICAL TO REQUIRED LEVEL OF SECURITY FOR THIS PROJECT. FIRE ALARM PROVIDER TO PROVIDE COMPLETE AND FUNCTIONAL SYSTEM AS DESCRIBED IN PROJECT SPECIFICATION SECTION 28.31.01. QUANTITIES, LOCATIONS AND TYPES OF DEVICES SHALL BE AS REQUIRED TO MEET ALL APPLICABLE CODES.

FIRE ALARM RISER DIAGRAM KEY NOTES

- FACP - FIRE ALARM CONTROL PANEL, EXISTING BY SIMPLEX.
- ALL SYSTEM WIRING SHALL BE INSTALLED IN DEDICATED RACEWAY OR CONDUIT. WIRE AND CABLE SHALL BE AS RECOMMENDED BY SIMPLEX.

FIRE ALARM RISER DIAGRAM
(TYP.)
1/8" = 1'-0"



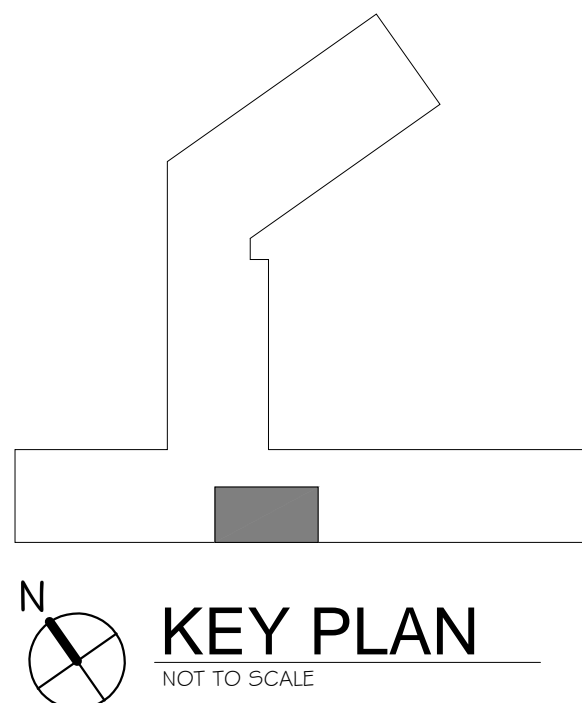
NOTE:
1. PROVIDE NEW AMPLIFIERS AND WIRING AS NEEDED FOR NEW SOUND SYSTEM.

SOUND SYSTEM RISER
DIAGRAM (TYP.)
1/8" = 1'-0"

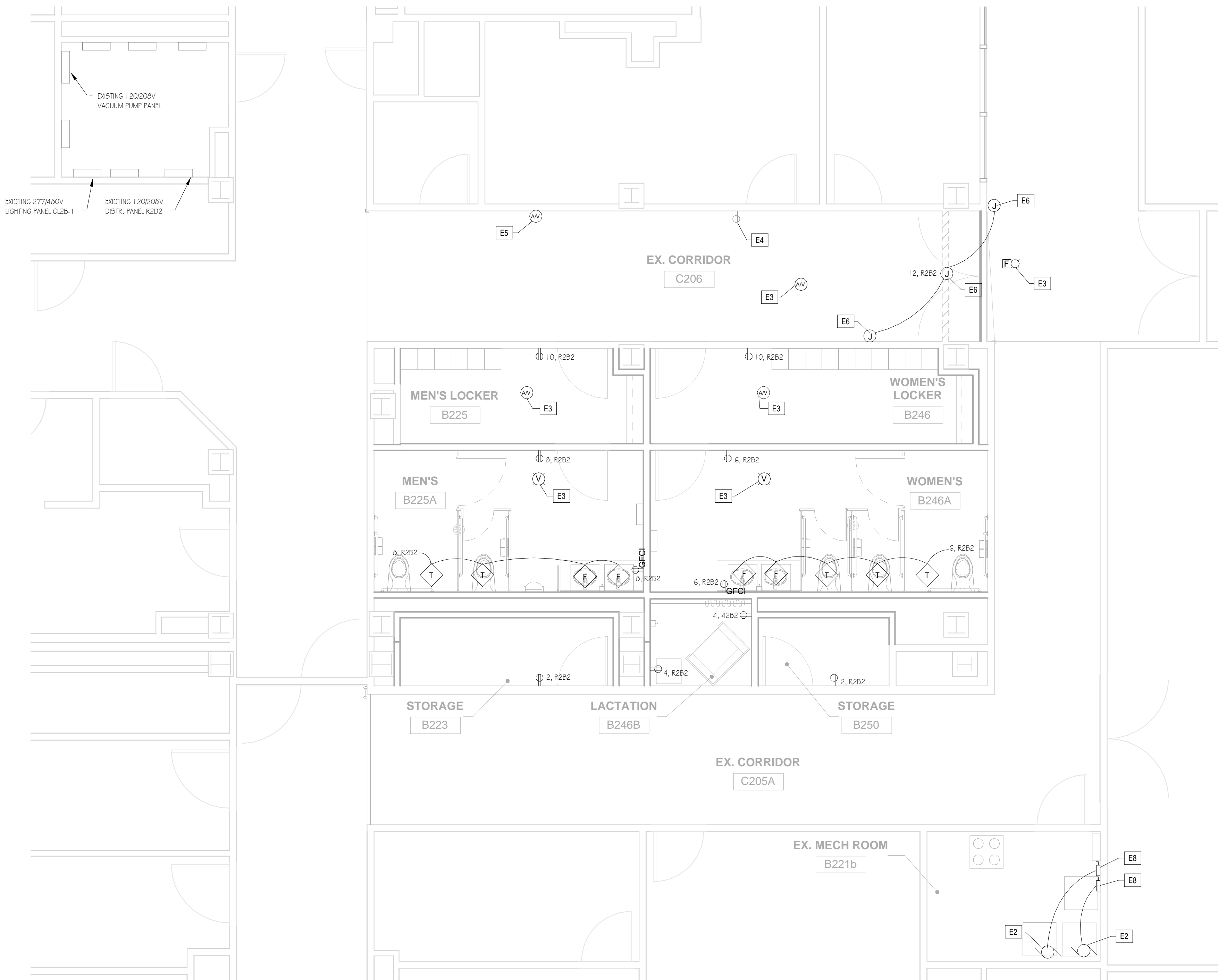
ELECTRICAL SYMBOL LEGEND

WIRING DEVICES		LIGHTING		MISCELLANEOUS	
SYMBOLS	DESCRIPTION	SYMBOLS	DESCRIPTION	SYMBOLS	DESCRIPTION
IG	DUPLEX RECEPTACLE - HOSPITAL GRADE	EM	RECESSED FLUORESCENT FIXTURE	JB	POWER PANEL/RELAY/CONTROL CABINET
GFCI	DUPLEX RECEPTACLE - ISOLATED GROUND	EM	RECESSED FLUORESCENT FIXTURE - EMERGENCY	JB	JUNCTION BOX
GFCI	DUPLEX RECEPTACLE - GROUND FAULT INTERRUPT	EM	RECESSED DOWNLIGHT-WALL WASH	#	KEYNOTE
QD	QUAD RECEPTACLE	EXIT	EXIT SIGNAGE	V	FIRE ALARM VISUAL DEVICE
W	WALL SWITCH			AV	FIRE ALARM VISUAL AND SPEAKER DEVICE
3W	3-WAY SWITCH				
D	DIMMER SWITCH				
OS	OCCUPANCY SENSOR - WALL SWITCH				
OS	OCCUPANCY SENSOR (CEILING)				
S	EXISTING SPEAKER TO BE RELOCATED				
MOTOR CONTROL		COMMUNICATION		ABBREVIATIONS	
M	MOTOR / ELECTRICAL EQUIPMENT	TELE	TELE/ATA OUTLET	AFF	ABOVE FINISHED FLOOR
DIS	NON-FUSED DISCONNECT SWITCH W/ RATING			AFG	ABOVE FINISHED GRADE
FUS	FUSED DISCONNECT W/ RATING & FUSE SIZE			EC	ELECTRICAL CONTRACTOR
				EM	EMERGENCY
				G	GROUND
				GFCI	GROUND FAULT CIRCUIT INTERRUPT
				IG	ISOLATED GROUND
				MH	MOUNTING HEIGHT
				N	NORMAL POWER
				WP	WEATHERPROOF

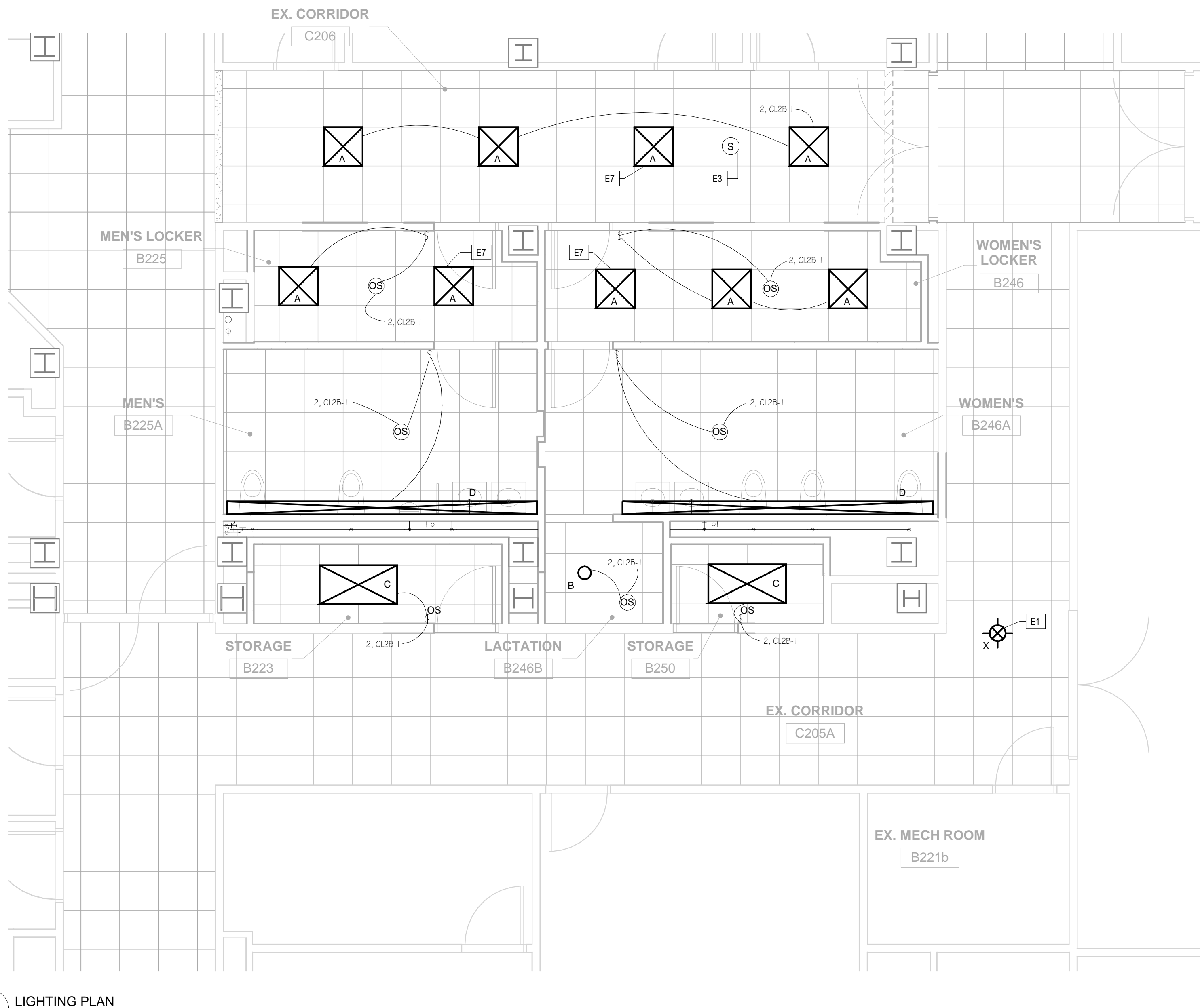
NOTE: NOT ALL DEVICES IN LEGEND ARE USED



725 Prudden Street Lansing, MI 48206-1771-311-0200 123 West Main Street, Suite 200 Gaylord, MI 49735-9887-752-8131 648 Monroe Avenue NW, Suite 210 Grand Rapids, MI 49503-6101-464-5414 1111 Ludington Street Eastland, MI 49829-606-233-9300 www.c2ae.com	REVISIONS: 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100 101 102 103 104 105 106 107 108 109 110 111 112 113 114 115 116 117 118 119 120 121 122 123 124 125 126 127 128 129 130 131 132 133 134 135 136 137 138 139 140 141 142 143 144 145 146 147 148 149 150 151 152 153 154 155 156 157 158 159 160 161 162 163 164 165 166 167 168 169 170 171 172 173 174 175 176 177 178 179 180 181 182 183 184 185 186 187 188 189 190 191 192 193 194 195 196 197 198 199 200 201 202 203 204 205 206 207 208 209 210 211 212 213 214 215 216 217 218 219 220 221 222 223 224 225 226 227 228 229 230 231 232 233 234 235 236 237 238 239 240 241 242 243 244 245 246 247 248 249 250 251 252 253 254 255 256 257 258 259 260 261 262 263 264 265 266 267 268 269 270 271 272 273 274 275 276 277 278 279 280 281 282 283 284 285 286 287 288 289 290 291 292 293 294 295 296 297 298 299 300 301 302 303 304 305 306 307 308 309 310 311 312 313 314 315 316 317 318 319 320 321 322 323 324 325 326 327 328 329 330 331 332 333 334 335 336 337 338 339 340 341 342 343 344 345 346 347 348 349 350 351 352 353 354 355 356 357 358 359 360 361 362 363 364 365 366 367 368 369 370 371 372 373 374 375 376 377 378 379 380 381 382 383 384 385 386 387 388 389 390 391 392 393 394 395 396 397 398 399 400 401 402 403 404 405 406 407 408 409 410 411 412 413 414 415 416 417 418 419 420 421 422 423 424 425 426 427 428 429 430 431 432 433 434 435 436 437 438 439 440 441 442 443 444 445 446 447 448 449 450 451 452 453 454 455 456 457 458 459 460 461 462 463 464 465 466 467 468 469 470 471 472 473 474 475 476 477 478 479 480 481 482 483 484 485 486 487 488 489 490 491 492 493 494 495 496 497 498 499 500 501 502 503 504 505 506 507 508 509 510 511 512 513 514 515 516 517 518 519 520 521 522 523 524 525 526 527 528 529 530 531 532 533 534 535 536 537 538 539 540 541 542 543 544 545 546 547 548 549 550 551 552 553 554 555 556 557 558 559 560 561 562 563 564 565 566 567 568 569 570 571 572 573 574 575 576 577 578 579 580 581 582 583 584 585 586 587 588 589 590 591 592 593 594 595 596 597 598 599 600 601 602 603 604 605 606 607 608 609 610 611 612 613 614 615 616 617 618 619 620 621 622 623 624 625 626 627 628 629 630 631 632 633 634 635 636 637 638 639 640 641 642 643 644 645 646 647 648 649 650 651 652 653 654 655 656 657 658 659 660 661 662 663 664 665 666 667 668 669 670 671 672 673 674 675 676 677 678 679 680 681 682 683 684 685 686 687 688 689 690 691 692 693 694 695 696 697 698 699 700 701 702 703 704 705 706 707 708 709 710 711 712 713 714 715 716 717 718 719 720 721 722 723 724 725 726 727 728 729 730 731 732 733 734 735 736 737 738 739 740 741 742 743 744 745 746 747 748 749 750 751 752 753 754 755 756 757 758 759 760 761 762 763 764 765 766 767 768 769 770 771 772 773 774 775 776 777 778 779 780 781 782 783 784 785 786 787 788 789 790 791 792 793 794 795 796 797 798 799 800 801 802 803 804 805 806 807 808 809 810 811 812 813 814 815 816 817 818 819 820 821 822 823 824 825 826 827 828 829 830 831 832 833 834 835 836 837 838 839 840 841 842 843 844 845 846 847 848 849 850 851 852 853 854 855 856 857 858 859 860 861 862 863 864 865 866 867 868 869 870 871 872 873 874 875 876 877 878 879 880 881 882 883 884 885 886 887 888 889 890 891 892 893 894 895 896 897 898 899 900 901 902 903 904 905 906 907 908 909 910 911 912 913 914 915 916 917 918 919 920 921 922 923 924 925 926 927 928 929 930 931 932 933 934 935 936 937 938 939 940 941 942 943 944 945 946 947 948 949 950 951 952 953 954 955 956 957 958 959 960 961 962 963 964 965 966 967 968 969 970 971 972 973 974 975 976 977 978 979 980 981 982 983 984 985 986 987 988 989 990 991 992 993 994 995 996 997 998 999 1000	DRAWING TITLE: ELECTRICAL DEMOLITION AND DETAILS ISSUED DATE: 11-23-11 BUILDING NUMBER: 1W - B PROJECT: DENTAL LOCKER REMODEL DRAWING NUMBER: ED-120	VA PROJECT NAME: RENOVATE DENTAL STAFF RESTROOMS & LOCKER ROOMS VA PROJECT NUMBER: 506-11-118 C2AE PROJECT NUMBER: 11-0074 DRAWING NUMBER: ED-120	DEPARTMENT OF VETERANS AFFAIRS
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1 POWER PLAN
1/4" = 1'-0"



2 LIGHTING PLAN
1/4" = 1'-0"

GENERAL ELECTRICAL NOTES:

- ALL WORK SHALL BE INSTALLED IN ACCORDANCE WITH THE LATEST ACCEPTED EDITION OF THE NATIONAL ELECTRICAL CODE AND ALL STATE AND LOCAL CODES.
- COORDINATE THE INSTALLATION OF ALL ELECTRICAL EQUIPMENT AND CONNECTIONS WITH ARCHITECTURAL, STRUCTURAL, MECHANICAL, AND EQUIPMENT DRAWINGS.
- "BACK TO BACK" OR THROUGH THE WALL BOXES SHALL NOT BE USED.
- INSTALL HANDLE LOCK-ON, ON ALL CIRCUIT BREAKERS CONTROLLING NIGHT LIGHT, EMERGENCY LIGHT AND EXIT LIGHT CIRCUITS.
- RECEPTACLES INDICATED AS GROUND FAULT CIRCUIT INTERRUPTER TYPE SHALL BE HOSPITAL GRADE DUPLEX RECEPTACLES WITH INTEGRAL GROUND FAULT CIRCUIT INTERRUPTER.
- ALL CONDUCTORS SHALL BE COPPER. ALUMINUM WIRES SHALL NOT BE USED.
- MOTOR LOADS WHICH ARE LESS THAN 6.0 AMPS SHALL BE PROTECTED BY A 15 AMP CIRCUIT BREAKER.
- FINAL CONNECTION TO ITEMS SUBJECT TO VIBRATION SHALL BE MADE WITH LIQUIDTIGHT FLEXIBLE METALLIC CONDUIT.
- LIQUIDTIGHT FLEXIBLE METALLIC CONDUIT WILL NOT BE APPROVED FOR USE AS A GROUNDING CONDUCTOR. A SEPARATE GREEN EQUIPMENT GROUNDING CONDUCTOR SHALL BE INSTALLED.
- 120/208VAC CIRCUIT WIRING FOR ANY ROOM OR AREA MAY BE GROUPED INTO RACEWAYS AS REQUIRED UNLESS SEPARATE RACEWAYS ARE REQUIRED BY THE NEC. COMPLY WITH NEC REQUIREMENTS FOR CONDUCTOR DERATING.
- PROVIDE EQUIPMENT GROUNDING CONDUCTORS IN EVERY POWER AND LIGHTING CONDUIT.
- ALL LIGHTING AND POWER CONDUCTORS SHALL BE 12 AWG MINIMUM. ALL CONTROL CONDUCTORS SHALL BE 14 AWG MINIMUM OR AS SPECIFIED BY MANUFACTURER.
- MINIMUM CONDUIT SIZE SHALL BE 3/4" FOR POWER FEEDS AND 1-1/4" FOR DATA FEEDS.
- ALL RECEPTACLES SHALL BE HOSPITAL GRADE AND TAMPER RESISTANT CONSTRUCTION.

POWER NOTES:

- NOT ALL KEYED NOTES MAY BE APPLICABLE TO EACH SHEET. ALL ABOVE CEILING SYSTEMS AND COMPONENTS INCLUDING BUT NOT LIMITED TO MECHANICAL, ELECTRICAL, PLUMBING, FIRE PROTECTION, ETC.) SHALL BE COORDINATED SUCH THAT THE SYSTEMS ARE PROPERLY INTEGRATED IN THE SPACE PROVIDED ABOVE CEILING AT THE CEILING HEIGHTS NOTED. IT IS THE RESPONSIBILITY OF EACH CONTRACTOR TO COORDINATE PATHWAYS WITHIN THE SPACE PROVIDED. CEILING HEIGHTS WILL NOT BE MODIFIED.
- 120V DUPLEX RECEPTACLES AND VOICEDATA OUTLETS, OR JUNCTION BOXES PROVIDING POWER AND DATA TO SYSTEMS FURNITURE/EQUIPMENT, LOCATED ON THE SAME WALL AND AT THE SAME APPROXIMATE LOCATION ARE TO BE LOCATED IMMEDIATELY ADJACENT TO EACH OTHER WHENEVER POSSIBLE LEAVING ONLY THE GAP REQUIRED TO ACCOMMODATE THE APPROPRIATE COVER PLATES WHEN FINISHED. VERTICALLY ALIGN THE CENTERLINE OF ALL DEVICES WITH VOICEDATA OUTLETS, STROBES, THERMOSTATS, LIGHT SWITCHES, ETC. AT VARIOUS ELEVATIONS FOUND AT THE SAME HORIZONTAL LOCATION ON ANY WALL.
- COORDINATE LOCATIONS OF ALL DEVICES WITH ARCHITECTURAL AND MECHANICAL DOCUMENTS PRIOR TO ROUGH-IN. ALL CONFLICTS WITH FINISHES, ADJACENT CONSTRUCTION AND CONSTRUCTION DOCUMENTS ARE TO GENERATE AN RFI FROM THE ELECTRICAL CONTRACTOR TO THE ARCHITECT/ENGINEER PRIOR TO PROCEEDING AND COMPLETION OF WORK.
- ALL WIRING, FEEDERS AND ASSOCIATED EQUIPMENT IS TO BE SIZED AS PER APPROPRIATE SECTIONS OF THE 2008 N.E.C.
- DEVICE HEIGHTS NOTED ON DRAWINGS AND SCHEDULES ARE TO CENTER OF DEVICE AND ABOVE FINISHED FLOOR.

LIGHTING NOTES:

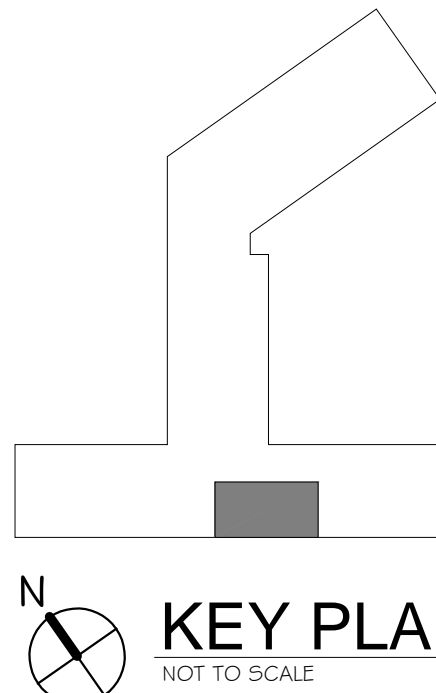
- ELECTRICAL CONTRACTOR TO VERIFY THE COMPATIBILITY OF LUMINAIRES WITH CEILING MATERIAL, ADJACENT CONSTRUCTION, AND ADJACENT FINISHES PRIOR TO SHOP DRAWING SUBMITTAL AND NOTIFY THE ELECTRICAL ENGINEER OF ANY CONFLICTS WITH THE PROPOSED INSTALLATION.
- THE ELECTRICAL CONTRACTOR IS RESPONSIBLE FOR ALL MISCELLANEOUS HARDWARE NECESSARY AT, ABOVE, OR BELOW THE CEILING PLANE TO SUPPORT THE LUMINAIRES.
- LUMINAIRES SHALL BE U.L. LISTED AND BEAR THE APPROPRIATE LABEL.
- FLUORESCENT LAMPS SHALL HAVE A COLOR TEMPERATURE OF 4100 DEGREES KELVIN AND A MINIMUM OF 70 CRI EXCEPT AS NOTED.
- WHERE CONTINUOUS RUNS OF NEW FLUORESCENT LUMINAIRES OCCUR, ELECTRICAL CONTRACTOR SHALL ORDER AND INSTALL A MINIMUM NUMBER OF MULTIPLE LAMP ELECTRONIC BALLASTS IN A "MASTER/SLAVE" CONFIGURATION.
- WHEN INSTALLING COMPACT FLUORESCENT OR PARABOLIC LUMINAIRES, CONSISTENT LAMP ORIENTATION SHALL BE MAINTAINED IN A GIVEN AREA.
- MULTIPLE MANUFACTURERS ARE NAMED FOR EACH TYPE OF LUMINAIRE WHERE APPROPRIATE. IF A CATALOG NUMBER HAS ONLY BEEN INDICATED NEXT TO THE FIRST MANUFACTURER, THE MANUFACTURER'S NAMES THAT FOLLOW THE FIRST ARE CONSIDERED EQUIVALENT AND SHALL PROVIDE A PRODUCT EQUAL OR SUPERIOR TO THE FIRST PRODUCT LISTED IN PERFORMANCE, FABRICATION QUALITY AND AESTHETICS.
- REFER TO ARCHITECTURAL DOCUMENTS FOR EXACT MOUNTING LOCATIONS, DETAILS, AND CONFIGURATIONS OF ALL LIGHTING LUMINAIRES. IF ARCHITECTURAL DRAWINGS DO NOT CLARIFY EXACT MOUNTING LOCATION OR DETAIL, ELECTRICAL CONTRACTOR SHALL ISSUE AN RFI FOR ARCHITECT/ENGINEER TO SPECIFICALLY CLARIFY PRIOR TO LUMINAIRE ROUGH-IN. ELECTRICAL DRAWINGS SHALL NOT BE UTILIZED TO DETERMINE LUMINAIRE LOCATIONS.
- RECESSED LUMINAIRES MUST BE INSTALLED SO THAT THE BOTTOM OF THE THROAT IS EVEN WITH THE FINISHED CEILING PLANE. LEVELING OF THE LUMINAIRE THROATS SHALL TAKE PLACE AFTER THE FINISHED CEILING PLANE HAS BEEN INSTALLED. THE REFLECTOR CONE'S OVERLAPPING FLANGE MUST THEN FIT FLUSH TO THE CEILING PLANE/THROAT. NO LIGHT LEAK SHALL BE VISIBLE. ALL MISCELLANEOUS HARDWARE AND CEILING MODIFICATIONS NECESSARY ABOVE THE CEILING PLANE TO ACCOMPLISH THE ABOVE SHALL BE INCLUDED IN THE BASE BID.
- ALL ADJUSTABLE INTERIOR LUMINAIRES SHALL BE TARGETED AND ADJUSTED BY THE ELECTRICAL CONTRACTOR UNDER THE OBSERVATION AND IN COMPLIANCE WITH RECOMMENDATIONS OF THE ELECTRICAL ENGINEER. ALL LABOR AND MATERIAL COSTS MADE NECESSARY BY THIS REQUIREMENT SHALL BE INCLUDED AS PART OF THE BASE BID.
- ALL NEW CIRCUITS SHALL BE FED WITH 2-#12, #12G, 3/4" CONDUIT, UNLESS NOTED OTHERWISE. EXISTING, SPARE, 20A-1P CIRCUIT BREAKERS SHALL BE USED, UNLESS NOTED OTHERWISE.

KEYNOTE LEGEND - ELECTRICAL

- EC SHALL RECONNECT NEW EXIT SIGNAGE TO EXISTING EXIT SIGNAGE'S LIFE SAFETY CIRCUIT.
- PROVIDE NEW 3-#8, #10G, 3/4" CONDUIT AND RECONNECT TO EXISTING VACUUM PUMP CIRCUIT BREAKERS IN VACUUM PUMP PANEL. FINAL CONNECTION TO PUMPS SHALL BE FLEXIBLE CONNECTION.
- NEW CEILING MOUNTED SPEAKER/STROBE, WHITE, SEE SPECIFICATIONS. CONNECT TO EXISTING SYSTEM.
- REPLACE EXISTING RECEPTACLE AND COVER SWITCH WITH NEW. SEE SPECIFICATIONS FOR REQUIREMENTS.
- REPLACE EXISTING FIRE ALARM HORN/STROBE WITH NEW SPEAKER/STROBE UNIT, WHITE. SEE SPECIFICATIONS.
- PROVIDE NEW POWER AND CONTROL WIRING FOR RELOCATED AUTOMATIC DOOR. COORDINATE FINAL PUSHBUTTON LOCATIONS WITH ADA REQUIREMENTS AND ARCHITECTURAL PLANS. DOOR CONTROLS SHALL REMAIN SURFACE MOUNTED.
- CONNECT TO EXISTING LIFE SAFETY CIRCUIT IN AREA WITH CAPACITY.
- RELOCATED DISCONNECTS FOR MECHANICAL PUMPS.

LIGHT FIXTURE SCHEDULE						
Type Mark	Description	Manufacturer	Model	Lamp	Wattage	Comments
A	2X2 RECESSED	LITHONIA	2RTLTD-3300L-D45-LP835-NDX	3500K, 82CRI, LED	45 W	
B	4" RECESSED WALLWASH	GOTHAM	ECSRW-35-10-4-PR-LD-277	30W, 715 DEL. LUMEN, LED	30 W	
C	2X4 RECESSED TROFFER	LITHONIA	2SP8G-232-A12125-MVOLT-GB10RS	F32W/T8/835/ECO	56 W	.77 BF BALLAST
D	16" RECESSED LINEAR	MARK ARCH. LTG	PPL-16FT-WH-T5S-EBPR-MVOLT	F28W/T5/835/ECO	112 W	
X	EXIT SIGN- GREEN	LITHONIA	LRPW-1-GMR-120/277	LED	2 W	

NOTE:
MANUFACTURER'S TRADE NAMES AND NUMBERS USED HEREIN ARE ONLY TO IDENTIFY COLOR, STYLE, TYPE AND OPERATION. PRODUCTS OF OTHER MANUFACTURER'S EQUIVALENT TO COLOR, STYLE, TYPE AND OPERATION OF MANUFACTURERS LISTED THAT MEET REQUIREMENTS OF TECHNICAL SPECIFICATIONS WILL BE ACCEPTABLE UPON APPROVAL IN WRITING BY CONTRACTING OFFICER.



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c2ae

www.c2ae.com

REVISIONS:

DRAWING TITLE:
ELECTRICAL LIGHTING AND POWER PLAN

ISSUED DATE:
11-23-11

BUILDING NUMBER:
1W - B

PLOT SCALE:
As Indicated

PROJECT:
DENTAL LOCKER REMODEL

VA PROJECT NAME:
RENOVATE DENTAL STAFF RESTROOMS & LOCKER ROOMS

VA PROJECT NUMBER:
506-11-118

VA PROJECT NUMBER:
11-0074

DRAWING NUMBER:
E-120

DEPARTMENT OF VETERANS AFFAIRS

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