

THE PROPOSED PROJECT INCLUDES UTILITY, SIDEWALK, GRADING, AND DRAINAGE IMPROVEMENTS ASSOCIATED WITH THE PROPOSED ENDOSCOPY & CENTRAL PROCESSING ADDITIONS AT THE VA MEDICAL CENTER IN SPOKANE, WA. THE SITE IS CURRENTLY DEVELOPED.

THE SOILS IN THIS REGION OF THE SUBJECT PROPERTY HAVE BEEN IDENTIFIED AS SILTY GRAVEL, SANDY GRAVEL, AND GRAVELLY SAND. REFER TO SOILS REPORT FROM PREVIOUS PROJECT, BUILDING 27 ADDITION.

FILTER FENCE SHALL BE USED WHERE NEEDED TO AID IN CONTAINING ANY SEDIMENT ON THE SITE DURING CONSTRUCTION, REPAIRS SHALL BE MADE AS NECESSARY. STABILIZED CONSTRUCTION ENTRANCES SHALL BE USED WHERE SHOWN ON PLAN. INLET PROTECTION SHALL BE USED AT ALL EXISTING STORM WATER INLETS.

MATERIAL STOCKPILES SHALL BE REMOTELY LOCATED NEAR THE WEST PROPERTY FENCE IN THE CONTRACTOR'S STAGING AREA AS SHOWN ON SHT A5100. CONTRACTOR TO REMOVE ALL SPOILS THAT ARE NOT USED IN THE PROJECT. CONTRACTOR SHALL RESTORE THE AREA TO PRE-EXISTING CONDITION WHEN PROJECT IS COMPLETE.

THE CONTRACTOR SHALL INSPECT AND MAINTAIN THE EGS MEASURES DAILY, AND SHALL MAINTAIN AND UPGRADE THESE MEASURES AS NECESSARY TO PREVENT COLLAPSE OF THE EGS. THE CONTRACTOR SHALL REMOVE OR DESTROY ANY EGS MEASURES THAT ARE FOUND TO BE OUT OF THE SITE OR INTO NEW OR EXISTING STORM DRAINAGE FACILITIES, SUCH AS DRYWELLS, CULVERTS, OR GRAVEL AREAS.

THE CONTRACTOR/DEVELOPER IS RESPONSIBLE FOR INSTALLING ROCK OR CONCRETE CURBS AT ANY AND ALL LOCATIONS USED TO ENTER OR EXIT THE PROJECT SITE.

GEOTEXTILE FABRIC IS TO BE PLACED ON THE RIMS OF DRYWELLS, CATCH BASINS AND INLETS UNTIL SUCH TIME AS THE VEGETATION IS ESTABLISHED. THE THICKNESS OF THE GEOTEXTILE DEPOSITION IS TO THE DRAINAGE SYSTEM IS MITIGATED.

CONTRACTOR IS REQUIRED TO KEEP STREETS AT CONTRACTORS ACCESS CLEAR OF DIRT AND CONSTRUCTION DEBRIS.

GRADING SHALL BE IN ACCORDANCE WITH THE APPROVED EGS PLAN. AN EROSION CONTROL PLAN SHALL BE SUBMITTED TO THE CITY OF A PRE-APPROVED SOURCE/DESTINATION AND COORDINATED WITH THE DISTRICT ENGINEER'S OFFICE. GRADING MUST COMPLY WITH ALL DEVELOPMENT REGULATIONS.

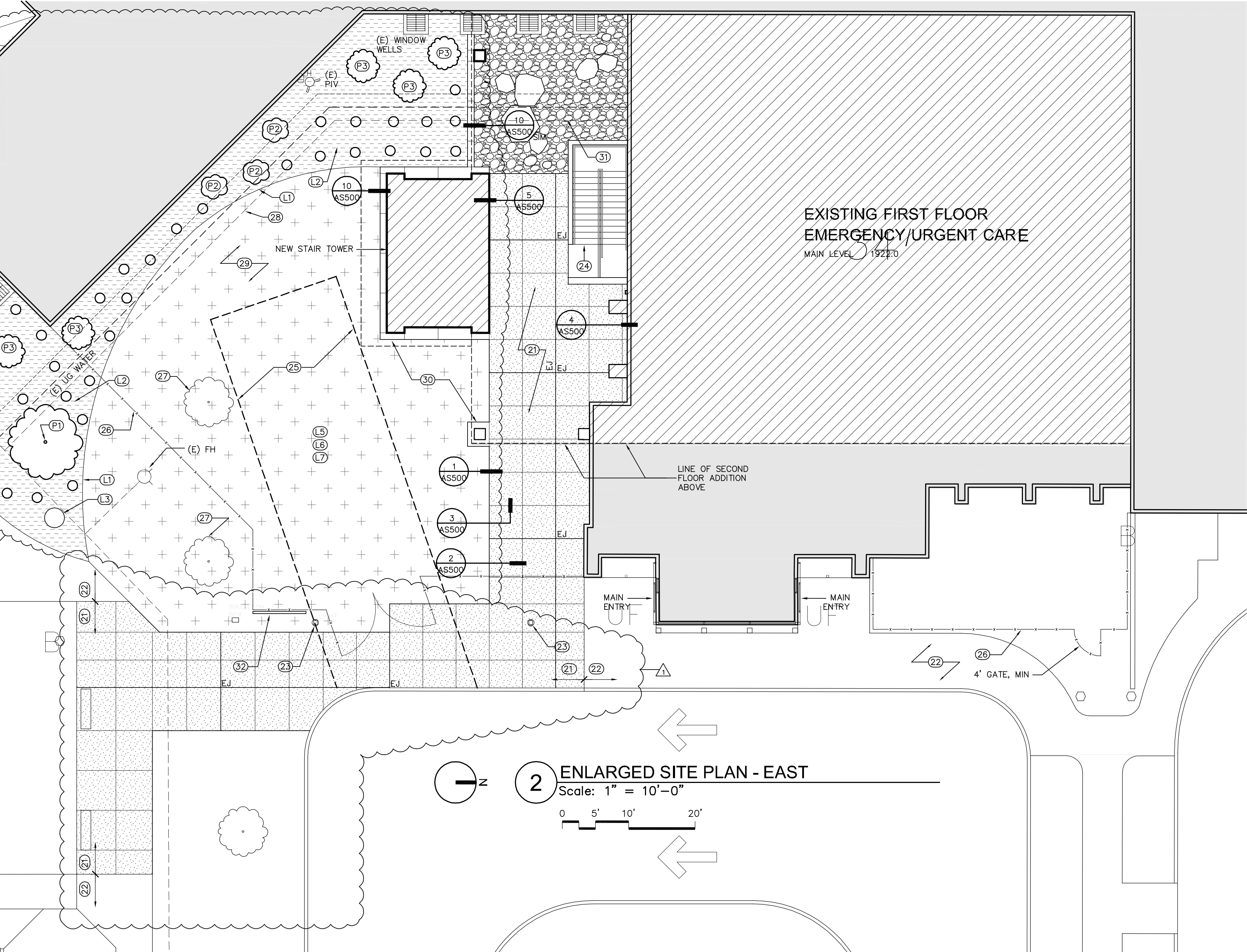
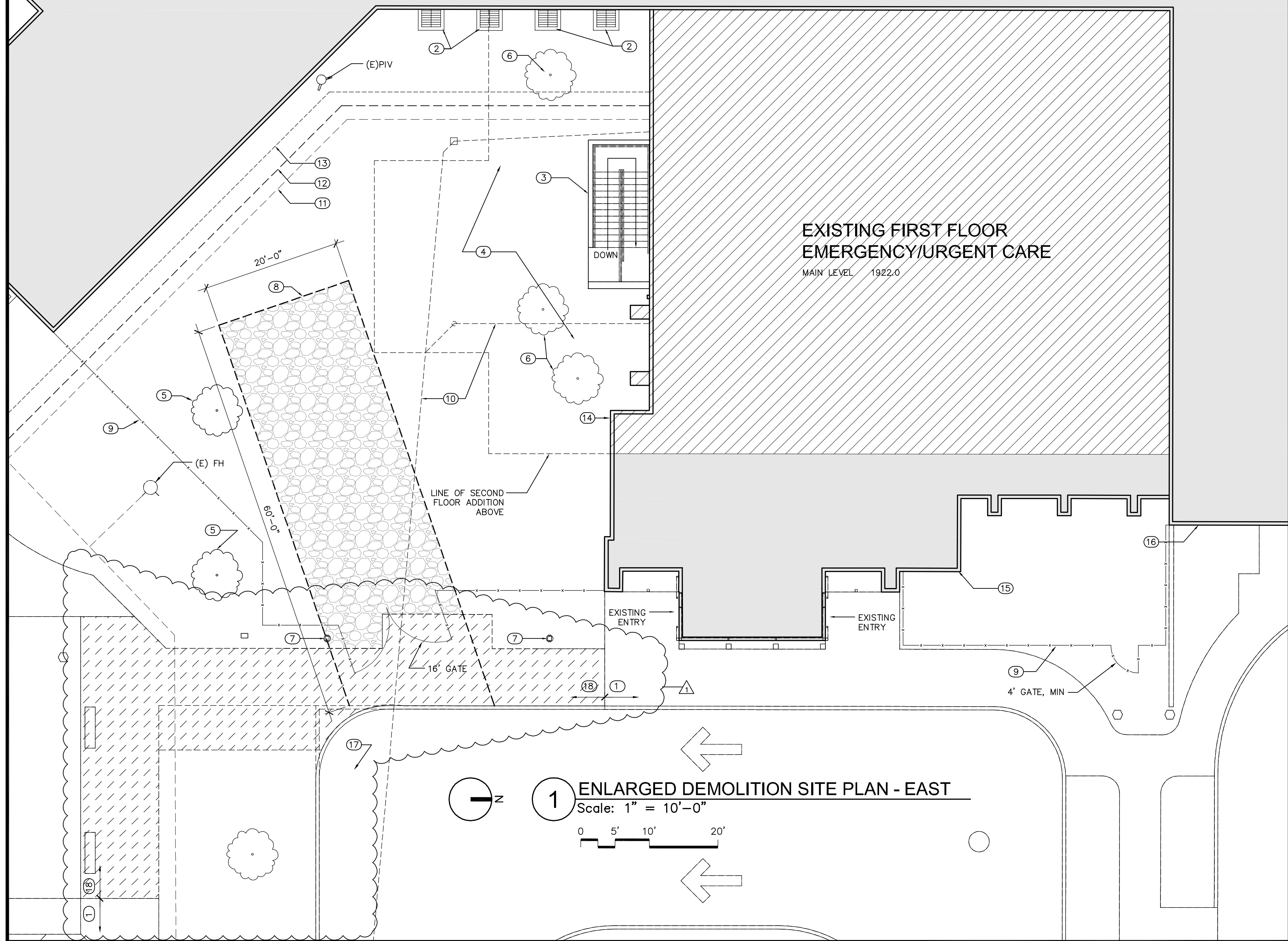
(P1) (1) BALSAM FIR, (ABIES BALSAMEA),
5" CALIPER MIN.

(P2) (6) DWARF BURNING BUSH, (EUONYMUS
ALATUS COMPACTUS), 3-GALLON MIN.

(P3) (6) WEIGELA, (WEIGELA FLORIDA
VARIEGATA), 5-GALLON MIN.

(P4) (50) KINNIKINNICK (ARCTOSTAPHYLOS
UVA-URSI), 1-GALLON MIN., DISTRIBUTE
THRU-OUT

- ① 4" ALUMINUM STRIDING WITH SLOTS & 18" TAPERED SPIRES.
- ② BARK MULCH, MEDIUM MIX, MIN. 5" THICK COVERAGE THROUGHOUT. SUBMIT SAMPLE FOR APPROVAL. OVER LANDSCAPE FABRIC. PREP AREA FOR NEW MATERIALS BY REMOVING EXISTING LANDSCAPE MATERIALS WITHIN THIS AREA AND LEVELING GRADE.
- ③ LAY POT, FROST-FREE DESIGN, MIN. 36" DIA X 48" H., WITH (MIN.) 4" DIA. WEEP HOLES. PROTECT FROM COLLAPSE BY BRACING TO EXISTING ADJACENT SIDE OF DRIVEWAY. COVER BASE, EXTEND GRAVEL 12" BEYOND POT PERIMETER AND UP TO SURFACE LEVEL WITH BARK MULCH. INSTALL DRIP LINE IN 1/2" PVC TUB BOTTOM AND CENTER OF TOP OF POT. (GOV'T MILC. PROVIDE & INSTALL PLANTING IN THIS POT).
- ④ AT SOUTH SIDE OF EXISTING BUILDING, REMOVE EXISTING LANDSCAPE MATERIALS TO LIMITS SHOWN ON INSTA. TO EXISTING CONCRETE DRIVEWAY. EXTEND IRRIGATION SYSTEM TO PROVIDE FULL COVERAGE; SEE ADDITIONAL NOTES ON NOTE # 17.
- ⑤ NEW SOD THRU-OUT THIS LAWN AREA, FROM BUILDING TO EDGING TO SIDEWALKS. MATCH TYPE TO EXISTING ADJACENT LAWN AREAS. INSTALL NEW IRRIGATION SYSTEM THRU-OUT.
- ⑥ CONTRACTOR TO PROVIDE & INSTALL COMPLETE NEW IRRIGATION SYSTEM WITHIN THE NEW SOD AND LANDSCAPE AREA. SUBMIT IRRIGATION PLAN by LICENSED LANDSCAPE DESIGNER FOR APPROVAL. PROVIDE DRIP IRRIGATION TO EACH NEW LAWN AREA, AND PROVIDE SEASONAL POP-UP SPRINKLER HEADS FOR SOD AREA EQUAL TO ADJACENT EXISTING HEADS TO REMAIN.
- ⑦ MAINTAIN IRRIGATION TO ADJACENT EXISTING AREAS TO REMAIN THRU-OUT THE COURSE OF THIS PROJECT, AND REPLACE ANY DAMAGED LANDSCAPING RESULTING FROM FAILURE TO MAINTAIN IRRIGATION. TURF ROTATORS = HUNTER MP1000-SO SERIES; DRIP KIT = RAINBIRD WZ2-WZ3 KIT; VALVE = 1/2" CLOW-FLOW VALVE, W/ PRESSURE REGULATING BACK-FLOW FILTER, AND 3 PSI REGULATOR.



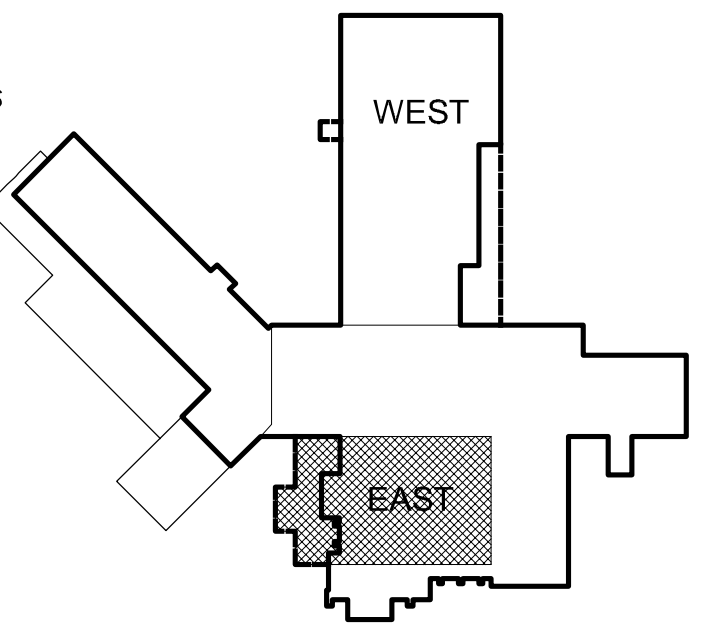
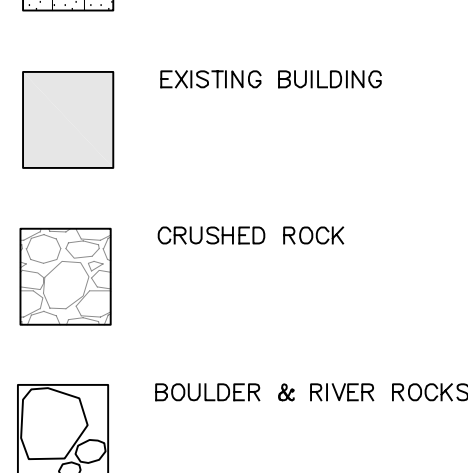
1. COORDINATE THIS WORK TO TAKE PLACE AS NEEDED BY THE BUILDING PHASING AND TO MINIMIZE IMPACT TO NORMAL HOSPITAL OPERATIONS.
2. MAINTAIN ACCESS FOR OWNER'S DELIVERIES: COORDINATE W/ OWNER TO TIMES ACCESS ROUTE WILL BE BLOCKED OR INACCESSIBLE.
3. THE DEMOLITION PLANS INCLUDE THE GENERAL SCOPE OF DEMOLITION WORK REQUIRED FOR STARTER TO STARTING NEW CONSTRUCTION, BUT ARE NOT INTENDED TO INCLUDE ALL OF THE DETAILED REQUIREMENTS. ALL DEMOLITION WORK REQUIRED FOR COMPLETION OF WORK INCLUDED IN THE CONTRACT DOCUMENTS SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR, EVEN IF IT IS NOT SPECIFICALLY SHOWN ON THESE DRAWINGS.
4. FIELD VERIFY ALL EXISTING CONDITIONS.
5. COORDINATE ALL DEMOLITION WORK WITH ALL TRADES AND REVIEW DRAWINGS FOR EXACT LOCATIONS OF ALL OPENINGS, ETC. PRIOR TO STARTING WORK.
6. EXISTING ITEMS TO REMAIN ARE SHOWN AS SOLID LINES OR INDICATED AS SUCH BY NOT. ITEMS TO BE REMOVED ARE TYPICALLY SHOWN DASHED OR WITH AN "X".
7. SEE MECHANICAL AND ELECTRICAL DRAWINGS FOR DESCRIPTION OF WORK UNDER THOSE SUBCONTRACTORS INCLUDING UTILITIES AND FIXTURES SHOWN TO BE REMOVED ON THESE PLANS.
8. PATCH AND REPAIR ALL AREAS TO REMAIN THAT ARE DAMAGED OR AFFECTED BY THIS WORK.
9. SEE FLOOR PLANS FOR ADDITIONAL DEMOLITION INFORMATION RELATING TO THAT AREA OF WORK AND NOT SPECIFICALLY NOTED HERE.
10. ALL VOIDS IN GRADE OR BELOW SLABS RESULTING FROM DEMOLITION WORK SHALL BE BACKFILLED WITH STONE OR CONTROLLED DENSITY FILL TO REQUIRED NEW ELEVATION PRIOR TO CONTINUING CONSTRUCTION.
11. REMOVAL OF SIDEWALKS, SLABS, CURBS, STAIRS, RAMPS, OTHER CONCRETE SITE STRUCTURES AND ASPHALT PAVING INCLUDES REMOVAL OF ALL GRAVEL BASE/SUBBASE AND ALL ASSOCIATED FINISHES.
12. REMOVAL OF TREES/SHRUBS INCLUDES REMOVAL OF STUMPS AND ROOT SYSTEMS.
13. ACCESS TO 2ND FLOOR WORK AREAS CAN NOT BE THROUGH EXISTING BUILDING. SEE GENERAL NOTE #3 ON SITE PLAN ASIO.

- (1) (E) CONC SIDEWALK AND CURB (WHERE OCCURS) TO REMAIN.
- (2) (E) WINDOW WELLS TO REMAIN
- (3) (E) RETAINING WALL AND STAIRS DOWN TO BASEMENT TO REMAIN.
- (4) REMOVE ALL SHRUBS & IRRIGATION UNDER NEW SECOND FLOOR OVERBUILD.
- (5) SAVE & PROTECT (E) TREE TO REMAIN.
- (6) REMOVE (E) TREE & TRANSPLANT TO NEW LOCATION AS DIRECTED BY OWNER (WARRANTY WILL NOT APPLY)
- (7) (E) LIGHT BOLLARD TO REMAIN.
- (8) TEMPORARY TRUCK WASHDOWN AREA DURING CONSTRUCTION, SEE 11
- (9) MIN. 7' H. TEMPORARY CHAIN LINK CONSTRUCTION FENCE WITH SIGHT OBSCURING FABRIC AT POSTS IN CONCRETE & TEMPORARILY ANCHOR EA END TO EXISTING BUILDING. REMOVE AT END OF CONSTRUCTION.
- (10) RELOCATE EXISTING STORM SEWER LINES, SEE CIVL.
- (11) (E) WATER LINES TO REMAIN.
- (12) (E) COMM DUCTBANK TO REMAIN
- (13) (E) UNDERGROUND POWER TO REMAIN.
- (14) SEE PHOTO 3/AD100 FOR (E) CORNER TO BE MODIFIED, REMOVE ROOF OVERBUILD & STOREFRONT, SEE 9/AS201.
- (15) SEE PHOTO 1/AD100 FOR (E) EAST ENTRY.
- (16) SEE PHOTO 2/AD100 FOR EAST WING TO HAVE 3RD FLOOR MECH ROOM ADDED.
- (17) AT ALL STORMWATER INLETS WITHIN OR IMMEDIATELY ADJACENT TO THE AREA OF WORK, INSTALL TEMPORARY INLET PROTECTION DURING CONSTRUCTION. SEE 12 AS500
- (18) REMOVE (E) CONC SIDEWALK & PREPARE FOR NEW WALK, SEE PLAN 2


1. DIMENSIONS ARE TYPICALLY TO FACE OF CONCRETE FOUNDATION, EDGE OF WALK OR PAVING SIDE OF CURB.
2. LOCATE SIDEWALK CONTROL, OR EXPANSION JOINTS AS SHOWN IN WALKS & SLABS. JOINTS TO BE EQUALLY SPACED AS SHOWN BETWEEN INTERSECTING POINTS. ALIGN WITH BUILDING COLUMNS & PERS, BUILDING OFFSETS, CENTERED ON BUILDING OR ALIGNED WITH OTHER BUILDING ELEMENTS AS SHOWN. LOCATE CONTROL JTS @ 5' OX MAX & EXP JTS @ 20' OX MAX UNO
3. RESTORE SITE AFTER CONSTRUCTION IS COMPLETED, RE-SOD ANY DISTURBED OR DAMAGED AREAS AND REPAIR IRRIGATION AS NEEDED.
4. ACCESS TO 2ND FLOOR WORK AREAS CANNOT BE THRU EXISTING OCCUPIED BUILDING. SEE GENERAL NOTE #5 ON SITE PLAN AS100.

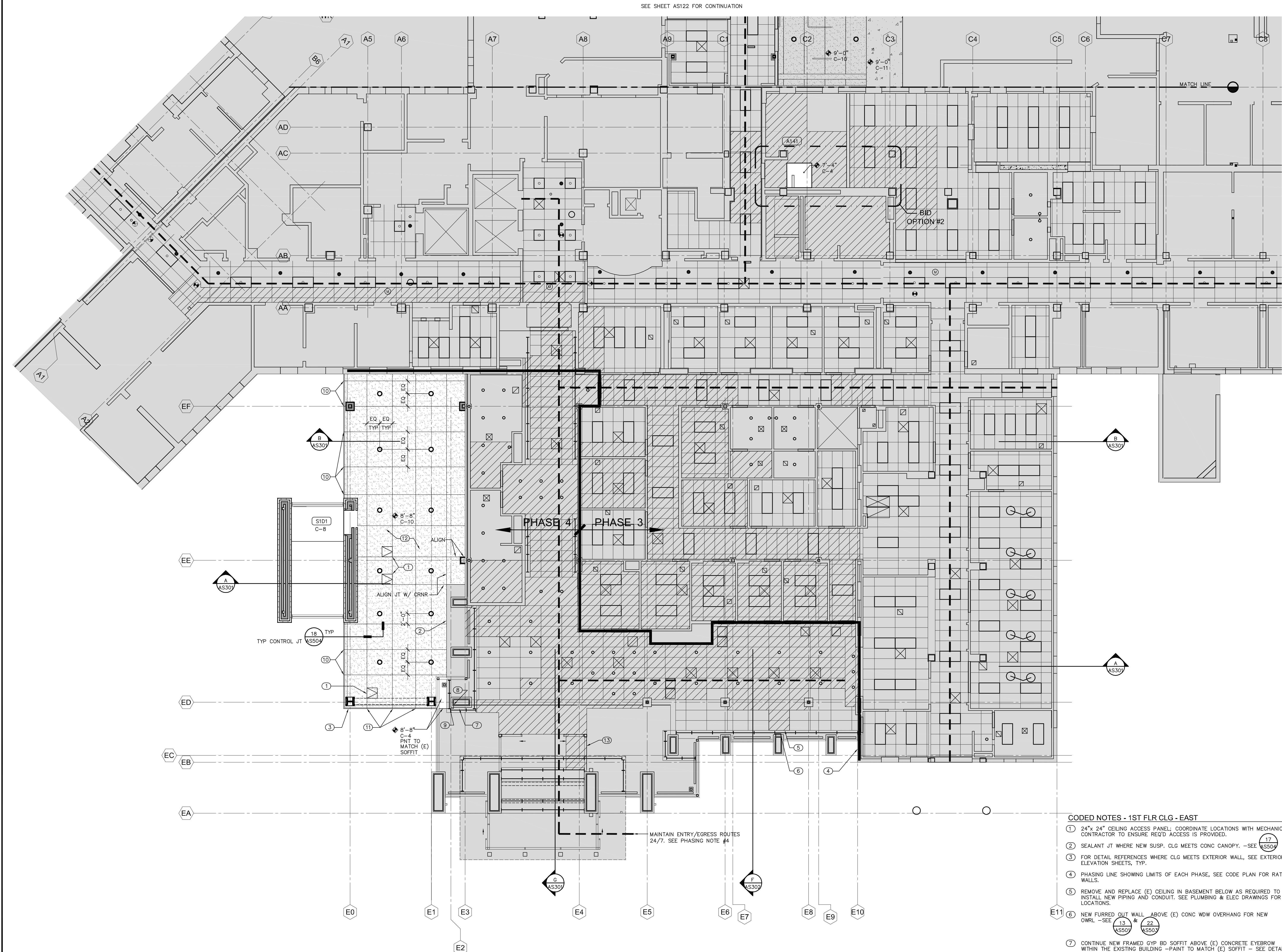
- 21 NEW 4" CONCRETE SIDEWALK,
- 22 (E) CONCRETE SIDEWALK TO REMAIN
- 23 (E) LIGHT BOLLARD TO REMAIN
- 24 (E) STAIRS TO BASEMENT & HANDRAILS TO REMAIN, PREP & REPAINT ALL (E) HANDRAILS
- 25 RESTORE SITE AREA, INCL'G SOIL & IRRIGATION, WHERE TEMPORARY TRUCK WASH AREA WAS LOCATED AS SHOWN ON DEMO PLAN.
- 26 TEMPORARY CONSTRUCTION FENCE, REMOVE AFTER COMPLETION.
- 27 SAVE WATER AND PROTECT EXISTING TREE TO REMAIN.
- 28 (E) UNDERGROUND UTILITIES -- SEE DEMO PLAN.
- 29 RESTORE SOIL & IRRIGATION THROUGHOUT FENCED AREA AFTER WORK IS COMPLETE.
- 30 NEW CONC MOW STRIP AROUND NEW BUILDING & COLUMNS-- SEE DETAIL. 10
- 31 NEW BOLLIDER & RIVER ROCK LANDSCAPING, SEE TYPE DETAIL. 9
- 32 LOCATION OF CONSTRUCTION SIGN, MOUNTED ON FENCE. 10

4" CONCRETE SLAB W/ CONTROL JOINTS AS SHOWN ON PLAN. "EJ" INDICATES EXPANSION JOINT



 **KEY PLAN**
NOT TO SCALE XKEYPLAN

		SEAL		PROJECT NUMBER 668-309		SHEET TITLE ENLARGED SITE PLANS - EAST		DEPARTMENT OF VETERANS AFFAIRS MEDICAL CENTER SPOKANE, WA 99205-4197 DEPARTMENT OF ENGINEERING OPERATIONS MAIN OFFICE 509-442-7000 FAX 509-444-1155		AMENDMENT # 3 5-3-2012 6-04-2012		NAC ARCHITECTURE 1203 W RIVERSIDE AVE SPOKANE, WA 99201-1107 F: 509.838.8260 F: 509.838.8261	
DESIGN WWR		DRAWN DMP		APPROVED MRO		DATE 01-19-2012		FILE NO. NAC# 111-10028		SHEET NO.		AS 101	
SHEET 13 OF 199													



FIRST FLOOR CEILING PLAN - EAST
Scale: 1/8" = 1'-0"
0 2 4 8 16'

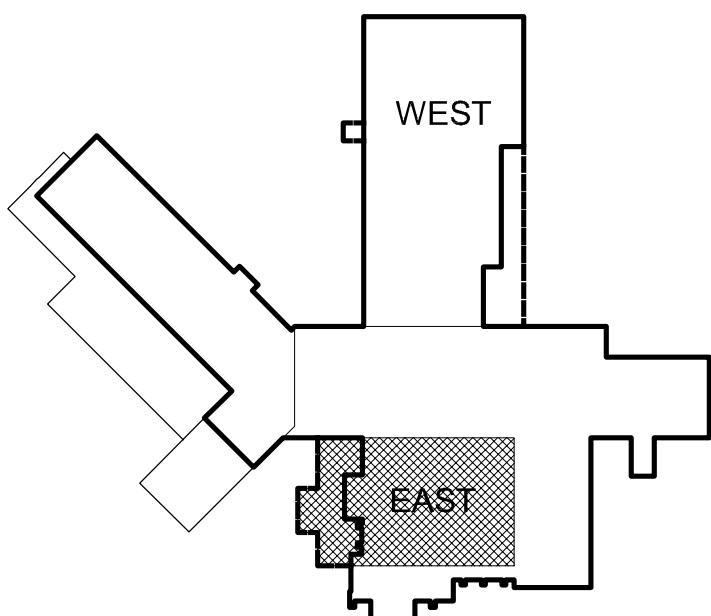
- PHASING & CONSTRUCTION NOTES**
- WORK IN OR ABOVE CEILINGS OF OCCUPIED AREAS MUST BE DONE AFTER NORMAL BUSINESS HOURS OR ON WEEKENDS. THE AREA SHOWN HATCHED ON CEILING PLANS INDICATES THE GENERAL AREA TO BE REMOVED & RE-INSTALLED BUT IS NOT GUARANTEED TO COVER ALL CONDITIONS. THE CONTRACTOR IS REQ'D TO REMOVE & REPLACE ANY ADDITIONAL CEILING AREAS AS NEEDED TO PERFORM THE WORK AS NOTED BY HVAC, PLUMBING & ELECTRICAL. ANY CEILING PANELS THAT ARE DAMAGED CANNOT BE RE-INSTALLED AND MUST BE REPLACED.
 - ANY CEILINGS REMOVED ON OCCUPIED FLOORS MUST BE PUT BACK IN OR BE PROTECTED WITH APPROVED FLAME-RESISTANT BARRIER AT THE END OF EACH SHIFT. ANY OCCUPIED AREAS BEING WORKED IN MUST BE RESTORED TO USABLE CONDITION BY MORNING, SO THE OWNER CAN RESUME NORMAL OPERATIONS.
 - PHASING LIMITS SHOWN ON ARCHITECTURAL FIRST FLOOR CEILING PLANS ARE INTENDED TO SHOW THE SEQUENCE OF WORK IN OCCUPIED AREAS. SIMULTANEOUS WORK IN MULTIPLE AREAS WILL NOT BE ALLOWED. THE CONTRACTOR IS TO LIMIT THE WORK ON OCCUPIED FLOORS TO SMALL AREAS WITHIN THE PHASING LIMITS AS APPROVED BY THE VA'S RESIDENT ENGINEER, THAT CAN BE RESTORED IN A TIMELY MANNER, RESTORING OR PROTECTING THE CEILINGS AT THE END OF EACH SHIFT AS NOTED ABOVE.
 - CONTRACTOR MUST MAINTAIN CLEAR ENTRANCE/EXIT ROUTES TO THE EMERGENCY DEPT. AND IN ALL CORRIDORS OF OCCUPIED AREAS ON A 24-HR/ 7-DAY PER WEEK BASIS. MAINTAIN MIN. 5' CLEAR PATH BY INSTALLING TEMPORARY VISQUEEN BARRIER DOWN CENTER OF THE CORRIDOR AND LIMITING WORK TO ONE SIDE AT A TIME. REMOVE THE BARRIER AND RESTORE THE WORK AREA FOR NORMAL OWNER USE EACH MORNING.
 - FOLLOW INFECTION CONTROL PROCEDURES WHILE WORKING IN OCCUPIED AREAS. SEE SPECIFICATIONS FOR ADDITIONAL INFORMATION.
 - MAINTAIN AT LEAST ONE ROUTE OPEN TO THE PHARMACY AT ALL TIMES, EITHER THE FRONT (EAST) ENTRY & CORRIDOR, OR THE BACK (WEST) SIDE DOOR FROM THE COURTYARD.

- GENERAL NOTES - CEILING PLAN**
- CENTER CEILING GRIDS IN EACH ROOM TO PROVIDE EQUALLY SIZED PANELS ON OPPOSITE WALLS, UNLESS NOTED OTHERWISE. IF PLANS INDICATE A GRID ALIGNING WITH A COLUMN, WALL, SOFFIT, ETC., START GRID LAYOUT AT THAT POINT.
 - SEE ROOM FINISH SCHEDULE FOR CEILING FINISH AND COLOR. INDICATION OF FINISH OR COLOR ON THESE PLANS IS FOR CLARIFICATION PURPOSES WHEN MORE THAN ONE TYPE OCCURS.
 - INTERIOR FULL HEIGHT WALLS THAT EXTEND ABOVE THE CEILING UP TO THE STRUCTURAL DECK ARE INDICATED ON PLAN. EXTEND GYPSUM BOARD ON BOTH SIDES OF RATED WALLS FULL HEIGHT TO DECK, FIRE-TAPED.
 - FULL HEIGHT ACOUSTICAL WALLS REQUIRE FIRE-TAPED GYPSUM BOARD UP TO THE DECK ON ONE SIDE ONLY ABOVE THE CEILING, UNLESS NOTED OTHERWISE. ACOUSTICAL INSULATION (WHERE OCCURS) ONLY NEED EXTEND TO THE CEILING UNLESS NOTED OTHERWISE.
 - SEE CEILING DETAIL SHEET FOR TYPICAL LATERAL BRACING REQUIREMENT AT SUSPENDED ACOUSTICAL CEILINGS.
 - PATCH AND REPAIR ANY EXISTING CONSTRUCTION OR FINISHES DAMAGED OR OTHERWISE AFFECTED BY THIS WORK. SEE DEMO PLANS FOR ADDITIONAL NOTES ON PATCHING AT FIRE-RATED ASSEMBLIES.
 - PROVIDE & INSTALL FIVE (5) EXTRA 24"x24" CEILING ACCESS PANELS AT THE SECOND FLOOR IN ADDITION TO THOSE SHOWN ON PLANS. LOCATE AS APPROVED BY THE OWNER.

- CEILING TYPES**
- NOTES:
1. ALL CEILINGS ARE TYPE C-1, UNLESS NOTED OTHERWISE.
2. ALL CEILINGS ARE AT +9'-0" AFF UNLESS NOTED OTHERWISE.
- C-1 SUSPENDED GYP BD W/ EPOXY PAINT
 - C-2 SUSPENDED GYP BD W/ SPECIAL COATING (GLOSS)
 - C-3 SUSPENDED GYP BD, PAINT
 - C-4 FRAMED GYP BD SOFFIT, PAINT
 - C-5 2"x2' SUSPENDED ACOUSTIC CEILING PANELS
 - C-6 2"x2' SUSPENDED ACOUSTIC CEILING PANELS W/ VINYL COATING
 - C-7 1 1/2"-HR RATED FRAMED GYP BD CEILING (3 LAYERS) PAINT
 - C-8 EXPOSED STRUCTURE WITH SPRAY-ON FIREPROOFING
 - C-9 EXPOSED COOLER PANELS
 - C-10 EIFS
 - C-11 CONCRETE

- LEGEND**
- FIRE-RATED WALL FULL HEIGHT TO DECK. SEE CODE PLANS FOR FIRE RATING REQUIREMENTS
 - ACOUSTICAL WALL FULL HEIGHT TO DECK (EXTEND SHEATHING ON ONE SIDE ONLY)
 - PHASING LIMITS
 - CEILING ACCESS PANEL, 24 X 24" U.N.O.
 - CEILING HEIGHT
 - LIGHT FIXTURES
 - SUPPLY DIFFUSERS
 - RETURN AIR REGISTER OR EXHAUST FAN
 - LOCATION OF ACCESS FOR VAV BOX ABOVE CEILING - SEE HVAC
 - EXIT LIGHT
 - SMOKE DETECTOR
 - HEAT DETECTOR
 - SPEAKER OR PAGING SPEAKER
 - FIRE PROTECTION SPRINKLERS
 - SHADED AREA INDICATES EXISTING CONSTRUCTION
 - HATCHED AND SHADED AREA INDICATES THE MINIMUM AREA OF EXISTING CEILINGS TO BE REMOVED AND RE-INSTALLED TO ALLOW MECHANICAL & /OR ELECTRICAL WORK ABOVE CEILINGS. DAMAGED CEILING PANELS CANNOT BE RE-INSTALLED & MUST BE REPLACED W/ NEW PANELS TO MATCH EXISTING.
 - PRE-CAST CONCRETE EYE-BROW SOFFIT
 - INDICATES EIFS SOFFIT

- CODED NOTES - 1ST FLR CLG - EAST**
- 24"x 24" CEILING ACCESS PANEL; COORDINATE LOCATIONS WITH MECHANICAL CONTRACTOR TO ENSURE REQ'D ACCESS IS PROVIDED.
 - SEALANT JT WHERE NEW SUSP. CLG MEETS CONC CANOPY. -SEE 17 ASS04
 - FOR DETAIL REFERENCES WHERE CLG MEETS EXTERIOR WALL, SEE EXTERIOR ELEVATION SHEETS, TYP.
 - PHASING LINE SHOWING LIMITS OF EACH PHASE, SEE CODE PLAN FOR RATED WALLS.
 - REMOVE AND REPLACE (E) CEILING IN BASEMENT BELOW AS REQUIRED TO INSTALL NEW PIPING AND CONDUIT. SEE PLUMBING & ELEC DRAWINGS FOR LOCATIONS.
 - NEW FURRED OUT WALL ABOVE (E) CONC WDW OVERHANG FOR NEW OWRL -SEE 13 ASS07 & 22 ASS09
 - CONTINUE NEW FRAMED GYP BD SOFFIT ABOVE (E) CONCRETE EYEBROW WITHIN THE EXISTING BUILDING -PAINT TO MATCH (E) SOFFIT - SEE DETAIL
 - ALIGN NEW FRAMED GYP BD SOFFIT W/ SOUTH SIDE OF (E) CONC COLUMN -PNT TO MATCH (E) SOFFIT
 - REMOVE (E) SOFFIT LIGHTING AS REQD FOR NEW GYP BD SOFFIT
 - ALIGN SOFFIT CONTROL JT W/ REVEAL JT ON SOUTH ELEV -EAST ADD'N -SEE 4 ASS07
 - ALIGN CONTROL JT W/ REVEAL JT ON EAST ELEV -EAST ADD'N -SEE 1 ASS07
 - NOTE: PLENUM SPACE ABOVE SOFFIT IS HEATED; SEE HVAC PLANS.
 - REMOVE & REPLACE EXISTING GYP BD CEILING AS NEEDED TO INSTALL NEW HYDRONIC PIPING OUT TO ENTRY VESTIBULE PER MECH.



KEY PLAN
NOT TO SCALE

NAC | ARCHITECTURE

1203 W RIVERSIDE AVE | SPOKANE, WA 99201-1107 | P: 509.838.8240 | F: 509.838.8261

AMENDMENT #3

6-04-2012

DATE

REV.

APPD.

DESCRIPTION

DEPARTMENT OF VETERANS AFFAIRS
MEDICAL CENTER

SPOKANE, WA 99205-6197
DEPARTMENT OF ENGINEERING OPERATIONS
MAIN OFFICE 509-434-7000

CONSTRUCT ENDOSCOPY & CENTRAL PROCESSING ADDITION, VAMC SPOKANE

PROJECT NUMBER 668-309

SHEET TITLE FIRST FLOOR CEILING PLAN - EAST

DESIGN WWR

DRAWN JMK

APPROVED MRO

DATE 01-19-2012

FILE NO. NAC# 111-10028

SHEET NO.

8135 REGISTERED ARCHITECT
MICHAEL R. O'WALLEY
STATE OF WASHINGTON

AS 121

SHEET 30 OF 199

LUMINAIRE SCHEDULE

CALLOUT	SYMBOL	LAMP	DESCRIPTION	BALLAST	MOUNTING	MODEL	INPUT WATTS	VOLTS	NOTE 1
D1		(1) LED	6" LENSED RECESSED LED DOWNLIGHT	ELECTRONIC	RECESSED	JUNO TC922LED-35K-120 W/242W-WH	25	120V 1P 2W	5
D3		(1) LED	6" LENSED RECESSED LED DOWNLIGHT	ELECTRONIC	RECESSED	JUNO TC922LED-35K-120-DM W/239-WH	26	120V 1P 2W	5
F1		(2) F28T5	2X4 DIRECT/INDIRECT TROFFER	UNV	RECESSED	HE WILLIAMS DILG-S24-228 TFS-FWPR-EB2-BD-UNV	70	120V 1P 2W	1, 2, 3
F2		(3) F28T5	2X4 DIRECT/INDIRECT TROFFER	UNV/BB	RECESSED	HE WILLIAMS DILG-S24-328 5S-FWPR-EB2-BD-UNV	115	120V 1P 2W	2, 3
F3		(3) F14T5	2X2 DIRECT/INDIRECT TROFFER	UNV	RECESSED	HE WILLIAMS DILG-S22-314T5S FWPR-EB2/1-UNV	40	120V 1P 2W	1, 2, 3
F4		(2) F28T5	2X4 LENSED TROFFER	UNV	RECESSED	HE WILLIAMS LPT-24-228T5S-SA12125 -EB2-UNV	70	120V 1P 2W	2, 3
F5		(3) F28T5	2X4 LENSED TROFFER	UNV	RECESSED	HE WILLIAMS LPT-24-328T5S-SA12125 -EB3-UNV	115	120V 1P 2W	2, 3
F6		(3) F28T5	2X4 RECESSED TROFFER WET LOCATION	UNV	RECESSED	HE WILLIAMS EP-G-524-328T5S -FA12125INV-WET-AMW-EBHW	115	120V 1P 2W	2, 3
F8		(2) F14T5	2 FT VANITY	UNV	WALL	LSI BR-214-SS010-UE	32	120V 1P 2W	2, 3
F9		(1) F28T5	1X4 RECESSED DIRECT/INDIRECT T5 FLUORESCENT	UNV	CEILING	HE WILLIAMS DIG-S14-128T5S WPR-AMW-EB2-UNV	30	120V 1P 2W	2, 3
F10		(2) F28T5	4 FT STRIP LIGHT	UNV	CEILING	HE WILLIAMS 73-4-228T5H EB2-UNV	70	120V 1P 2W	2, 3
F11		(2) F28T5	4FT IP65 SURFACE	UNV	CEILING	BEGHELLI BS100T5-4-HT 228W-120/277V	70	120V 1P 2W	2, 3
F13		(2) F28T5	4FT WALL BRACKET	UNV	WALL	HE WILLIAMS 20-4-228-A-EB2	65	120V 1P 2W	2, 3
F14		(2) F28T5	4FT DIRECT/INDIRECT WALL MOUNT WITH DIM	DM01	WALL	AXIS BEAM TBW-S-4-T5 2-A-UNV-D-T	65	120V 1P 2W	2, 3
F15		(1) F28T5	4FT DIRECT PENDANT WITH DIM	DM01	PENDANT	AXIS BEAM TB-S-4-T5 1D-A-UNV-D-T-CA	35	120V 1P 2W	2, 3
F16		(2) F32T8	4FT 2 LAMP STRIP LIGHT	UNV	CEILING	HE WILLIAMS 76-4-232-EB2-UNV	61	120V 1P 2W	2, 3
F17		(1) 42TBX	ROUND COMPACT FLUORESCENT SURFACE MOUNT	UNV/BB	CEILING	JUNO 12-42TW-W	46	120V 1P 2W	
F18		(2) F28T5	4FT WALL MOUNT STAIRWELL FIXTURE	UNV	WALL	CORELITE E2W-WM-2-T5-1C-UNV-SU -WA-4'-DL2-2S	64	120V 1P 2W	
U1		(6) LED	22 IN LED UNDERCOUNTER	UNV	SURFACE	ALKCO LINC5100-L19-120-WHG-RSW	12	120V 1P 2W	2, 3
X1		(1) LED	UNIVERSAL LED EXIT SIGN	UNV	CEILING	ALKCO RGLO-LED1	3	120V 1P 2W	4
X2		(1) LED	UNIVERSAL LED EXIT SIGN	UNV	CEILING	ALKCO RGLO-LED2	5	120V 1P 2W	4
X3		(1) LED	LED EXIT SIGN WET LOCATION	UNV	CEILING	EMERGI-LITE WW-SVX-1-R-4X	1	120V 1P 2W	4
X4		(1) LED	UNIVERSAL LED EXIT SIGN	UNV	CEILING	ALKCO WGLO-LED	3	120V 1P 2W	4

KEYNOTES:

- WHERE SHOWN ON THE FLOORPLANS, PROVIDE DUAL LEVEL SWITCHING; INNER LAMPS SHALL BE SWITCHED SEPARATELY FROM THE OUTER LAMPS. REFERENCE THE FLOOR PLANS FOR LOCATIONS AND QUANTITY.
- PROVIDE INTERNAL DISCONNECT FOR EACH FLUORESCENT FIXTURE TO COMPLY WITH THE REQUIREMENTS OF NEC 410.73 (G) (NEC 2005) OR NEC 410.130 (G) (NEC 2008).
- OR EQUAL, AS MANUFACTURED BY COLUMBIA, HE WILLIAMS OR METALUX.
- OR EQUAL, AS MANUFACTURED BY DUAL-LITE, INFINITY, OR SURELITES.
- OR EQUAL, AS MANUFACTURED BY INFINITY, PORTFOLIO OR PRESCLITE.

BALLAST ABBREVIATIONS:

- UNV ~ FLUORESCENT ELECTRONIC, <10% THD, 120 OR 277V INPUT.
DM01 ~ FLUORESCENT DIMMING BALLAST, DIMMABLE TO 1%
ELECTRONIC ~ LED DRIVER
BB ~ BATTERY BACKED

9D

ROOM 9TH FLOOR PNTHOUSE				VOLTS 208Y/120V 3P 4W				A/C 22,000					
MOUNTING FLUSH				BUS AMPS 100				MAIN BKR MLO					
FED FROM 9M				NEUTRAL 100%				LUGS STANDARD					
NOTE EXISTING, 4													
CKT #	CKT BKR	NOTES	CIRCUIT DESCRIPTION	KVA LOAD			CKT #	CKT BKR	NOTES	CIRCUIT DESCRIPTION	KVA LOAD		
				A	B	C					A	B	C
1	20/1	3	MA5 DOOR HOLDER, F/S DAMPER	0.2			2	20/3	1	BOOSTER PUMP	1.37		
3	1/1		SPACE	0			4					1.37	
5	1/1		SPACE		0		6						1.37
7	20/1	1	LAUNDRY INTERLOCK	0			8	20/3	2	STERILIZER	0	0	
9	1/1		SPACE	0			10						
11	1/1		SPACE		0		12						0
13	40/3	2	EAST WASHER	0			14	30/3	1	MED AIR COMP	2.06		
15				0	0		16				2.06		
17						0	18						2.06
19	50/3	2	SONIC CLEANER	0			20	1/1		SPACE	0		
21				0	0		22	1/1		SPACE		0	
23						0	24	1/1		SPACE			0
25	1/1		SPACE	0			26	20/1	1	CONTROL STERILIZER PUMP	0.1		
27	1/1		SPACE				28	20/2	1	STERILIZER PUMP		1.19	
29	1/1		SPACE			0	30						1.19
31	1/1		SPACE	0	0		32	30/3	1	CHILLED WATER PUMP	2.4		
33	1/1		SPACE				34				2.4		
35	1/1		SPACE		0		36						2.4
37	1/1		SPACE	0			38	1/1		SPACE	0		
39	1/1		SPACE		0		40	1/1		SPACE		0	
41	1/1		SPACE			0	42	1/1		SPACE			0
										TOTAL CONNECTED KVA BY PHASE	6.13	7.02	7.02
										TOTAL CONNECTED AMPS BY PHASE	51.1	58.7	58.7

Notes:

- Conduit sizes are based on THWN insulation for all conductors and RGS conduit.
- Ground Conductors can be omitted from Service Entrance Feeders.
- Single Phase feeders with isolated ground shall be labeled SG for single pole feeders, and PG for double pole feeders.

BALANCED THREE PHASE AMPS 56.1

PANEL KEYNOTES:

- EXISTING LOAD TO REMAIN.
- EXISTING LOAD REMOVED.
- PROVIDE CONNECTION TO EXISTING SPARE CIRCUIT BREAKER.
- THE CONTRACTOR SHALL VERIFY THE CONFIGURATION OF THIS PANEL. ELECTRICAL WORK MAY HAVE BEEN PERFORMED ON THIS PANEL AFTER ENGINEERING SITE INVESTIGATION.

SPD EQUIPMENT SCHEDULE															
Equip No.	Room No.	Equipment Item		Volts	Ph.	HP	Load		Receptacle	Disconnect Switch			Feeder No. (Note 1)	Circuit No.	Connect Height
		Tag No.	Description				kVA	Amps		Switch	NEMA Rating	Fuse			
2	BSMNT	AC-1	AIR COMPRESSOR	208	3	5	6.016	16.7	-	30/3	-	30	30	BE084- 8,10,12	AR 1
3	BSMNT	AD-1	AIR DRYER	120	1	-	0.396	3.3	5-20R	-	-	-	20S	BE084- 20	AR 4
6	E226A	S-1	STERILIZER	208	3	-	2.162	6	-	30/3	3R	10	20	2E08- 5,7,9	AR 2,5
6A	E226A	S-1	STERILIZER (CONTROL POWER)	120	1	-	0.240	2	-	MMS	3R	15	20S	2E08- 11	AR 2,5
7	E226A	S-2	STERILIZER	208	3	-	2.162	6	-	30/3	3R	10	20	2N9- 9,11,13	AR 2
7A	E226A	S-2	STERILIZER (CONTROL POWER)	120	1	-	0.240	2	-	MMS	3R	-	20S	2N9- 15	AR 2
8	E226A	S-3	STERILIZER (CONTROL POWER)	120	1	-	0.240	2	-	MMS	3R	-	20S	2E08- 3	AR 1
9	E226A	S-4	STERILIZER (CONTROL POWER)	120	1	-	0.240	2	-	MMS	3R	-	20S	2N9- 7	AR 1
10	E235A	HPS-1	HYDROGEN PEROXIDE STERILIZER	208	3	-	8.646	24	L21-30R	-	-	-	30N	2E07- 19,21	AR 4
11	E235A	HPS-2	HYDROGEN PEROXIDE STERILIZER	208	3	-	8.646	24	L21-30R	-	-	-	30N	2E05- 13,15,17	AR 4,5
12	E235A	HPS-3	HYDROGEN PEROXIDE STERILIZER	120	1	-	1.920	16	5-20R	-	-	-	20S	2N9- 29	AR 4,5
13	E235A	HPS-4	HYDROGEN PEROXIDE STERILIZER	120	1	-	1.920	16	5-20R	-	-	-	20S	2E08- 2	AR 4
18	E233	USC-1	ULTRASONIC CLEANER	208	3	-	13.366	37.1	-	60/3	3R	50	50N	2E05- 19,21,23	AR 5
19	E233	USC-2	ULTRASONIC CLEANER	120	1	-	3.567	9.9	-	30/3	3R	15	20N	2N9- 17,19,21	AR 5
20	E233/E235	SW-1	SYNERGY WASHER	208	3	-	9.727	27	-	60/3	3R	40	40N	2E05- 1,3,5	AR 5
21	E233/E235	SW-2	SYNERGY WASHER	208	3	-	9.727	27	-	60/3	3R	40	40N	2E05- 7,9,11	AR 5
22	E233/E235	SW-3	SYNERGY WASHER	208	3	-	9.727	27	-	60/3	3R	40	40N	2N9- 31,33,35	AR 5
23	E233/E235	SW-4	MOTORIZED RETURN DOOR CONVEYOR	120	1	-	1.440	12	-	30/2	3R	15	20S	2E08- 14	AR 4
24	E233	SB-1	SCOPE BUDDY	120	1	-	0.500	4.17	5-20R	-	-	-	20S	2E08- 2,4,6	AR 4
27	E231	SP-1	SCOPE PROCESSOR	208	3	-	8.322	23.1	-	60/3	3R	40	40N	2E05- 2,4,6	AR 3,5
28	E231	SP-2	SCOPE PROCESSOR	120	1	-	8.322	23.1	-	60/3	3R	40	40N	2N9- 23,25,27	AR 3,5
31	E233A	CW-1	CART WASH	120	1	-	13.329	37	-	60/3	3R	50	50N	2E05- 8,10,12	AR 1
36A	WALK IN	EV-1	WALK IN COOLER EVAPORATOR	208	1	-	0.220	1.8	-	30/3	3R	6	20S	2E07- 1	AR 11
36B	ROOF	CU-1	WALK IN COOLER CONDENSER	120	1	1	1.830	8.8	-	30/2	3R	15	20P3	2E07- 9,11	AR 11
36C	ROOF	CU-2	WALK IN COOLER CONDENSER (N+1)	208	1	1	1.830	8.8	-	30/2	3R	15	20P3	2E07- 13,15	AR 11
37	E235	SCS-1	CONVEYOR	208	1	-	2.500	12	-	30/2	3R	15	20P3	2E07- 27,29	AR 7
38	E235	SCS-2	CONVEYOR	208	1	-	2.500	12	-	30/2	3R	15	20P3	2E07- 31,33	AR 7
39	E235	SCS-3	CONVEYOR	208	1	-	2.500	12	-	30/2	3R	15	20P3	2E07- 35,37	AR 7

- Notes:
1 REFERENCE THE FEEDER SCHEDULE FOR CONDUIT AND WIRING REQUIREMENTS.
2 UNIT HAS CONNECTION TO A VACUUM PUMP AND HARDWARE CONNECTION FOR CONTROL POWER.
3 RECEPTACLE FOR REMOTE PRINTER AS SHOWN ON FLOOR PLANS.
4 FIELD VERIFY CONFIGURATION OF EQUIPMENT PLUG CONNECTION.
5 EXISTING EQUIPMENT RELOCATED.
6 PROVIDE HOSPITAL GRADE CONDUIT, PLUG AND RECEPTACLE NEMA 6-15
7 PROVIDE CONNECTION OF UP TO FOUR (4) CONVEYORS ON SAME CIRCUIT. COORDINATE WITH EQUIPMENT SUPPLIER FOR EXACT REQUIREMENTS.

MECHANICAL EQUIPMENT SCHEDULE																	
Equip No.	Room No.	Equipment Item		Volts	Ph.	HP	Load		Receptacle	Disconnect Switch			NEMA Starter	Feeder No. (Note 1)	Circuit No.	Connect Height	Notes
		Tag No.	Description				kVA	Amps		Switch	NEMA Rating	Fuse					
M15	MECH	AHU-19 SF	AIR HANDLER (SUPPLY FAN)	208	3	15	17.459	48.7	-	100/3	-	70	DV 23(VFD)	70	2E06- 1,3,5	AR	3,5
M16	MECH	AHU-19 RF	AIR HANDLER (RETURN FAN)	208	3	2	2.702	7.5	-	30/3	-	20	DV 23(VFD)	20	2E06- 19,21,23	AR	3,5
M2	MECH	AHU-25	AIR HANDLER UNIT	208	3	30	41.569	92.3	-	200/3	-	150	DV 23(VFD)	150	E02- 6	AR	3,5
M3	MECH	PWP-1	PURE WATER PUMP	208	3	(2) 1.5	4.988	13.846	-	30/3	-	20	DV 23	20	BE084- 22,24,26	AR	12
M4	MECH	RO-1	REVERSE OSMOSIS UNIT	120	3/4	-	1.856	13.8	-	MMS	-	-	20S	BE084- 28	AR	11	
M5	ELEV/MECH	ELEV-1	HYDRAULIC ELEVATOR	208	3	60	51.518	143	-	400/3	-	250	-	250	E02- 7	AR	11
M6	PNTHS	DW-1	DUMBWAITER	208	3	3	3.819	10.6	-	30/3	-	17.5	-	20	9M- 2,4,6	AR	-
M7	ROOF	EF-2.1	EXHAUST FAN	120	1	1/4	0.696	5.8	-	MMS	-	-	20S	2E06- 13	AR	10	
M8	ROOF	EF-2.2	EXHAUST FAN	120	1	1/2	1.176	8.8	-	30/3	-	-	20S	2E06- 6,11	AR	10	
M9	ROOF	EF-2.3	EXHAUST FAN	120	1	1/4	0.696	5.8	-	MMS	-	-	20S	2E06- 9	AR	10	
M10	ROOF	EF-2.4	EXHAUST FAN	208	3	3/4	1.261	3.5	-	30/3	-	6	00	20	2E07- 14,16,18	AR	11
M11	ROOF	EF-2.5	EXHAUST FAN	208	3	1 1/2	2.378	6.6	-	30/3	-	10	00	20	2E07- 8,10,12	AR	11
M12	ROOF	EF-2.6	EXHAUST FAN	120	1	1/3	0.864	7.2	-	MMS	-	-	20S	2E07- 5	AR	10	
M13	ROOF	EF-2.7	EXHAUST FAN	208	3	2	2.702	7.5	-	30/3	-	15	0	20	2E07- 2,4,6	AR	11
M14	MECH	EF-2.8	EXHAUST FAN	208	3	3	1.657	4.6	-	30/3	-	8	DV 23(VFD)	20	2E06- 17	AR	5
M15	D215/ROOF	EF-2.9	EXHAUST FAN	120	1	1/8	0.377	1.1	-	30/3	-	6	DV 23(VFD)	20	2E06- 5	AR	5
M17	ROOF	EF-2.11	EXHAUST FAN	208	3	3/4	1.261	3.5	-	MMS	-	-	20S	2E06- 2,4,6	AR	11	
M18	ROOF	EF-2.12	EXHAUST FAN	120	1	1/3	0.864	7.2	-	MMS	-	-	20S	2E06- 25	AR	10	
M19	ROOF	EF-2.13	EXHAUST FAN	120	1	1/3	0.864	7.2	-	MMS	-	-	20S	2E06- 27	AR	10	
M20	ROOF	EF-2.14	EXHAUST FAN	208	3	3/4	1.261	3.5	-	30/3	-	6	00	20	2E06- 29,31,33	AR	11
M21	ROOF	EF-2.15	EXHAUST FAN	120	1	1/6	0.528	4.4	-	MMS	-	-	20S	1E081- 15	AR	10	
M22	ROOF	EF-2.16	EXHAUST FAN	120	1	1/3	0.864	7.2	-	MMS	-	-	20S	2E07- 17	AR	10	
M23	ROOF	EF-2.17	EXHAUST FAN	120	1	1/6	0.528	4.4	-	MMS	-	-	20S	PANEL1- 23	AR	6	
M24	E007A	EWH-1	ELECTRIC WALL HEATER	208	-	-	1.500	7.2	-	DV 23	-	-	20P2	BE084- 7,9	AR	8	
M25	SE-1	EWL-2	ELECTRIC WALL HEATER	208	-	-	1.500	7.2	-	DV 23	-	-	20P2	BE084- 3,5	AR	8	
M26	WEST STAIR	EWL-3	ELECTRIC WALL HEATER	208	-	-	3.000	14.5	-	DV 23	-	-	20P2	BE084- 4,6	AR	8	
M27	SMOKE BARN	ERH-1A	ELECTRIC RADIANT HEATER	208	-	-	3.000	14.5	-	PANEL1- 7	-	-	20P2	PANEL1- 7,9	AR	6,9	
M28	SMOKE BARN	ERH-1B	ELECTRIC RADIANT HEATER	208	-	-	3.000	14.5	-	30/2	-	-	20P2	PANEL1- 8,10	AR	6,9	
M29	SMOKE BARN	ERH-1C	ELECTRIC RADIANT HEATER	208	-	-	3.000	14.5	-	30/2	-	-	20P2	PANEL1- 14,14	AR	6,9	
M30	SMOKE BARN	ERH-1C	ELECTRIC RADIANT HEATER	208	-	-	3.000	14.5	-	30/2	-	-	20P2	PANEL1- 16,18	AR	9	
M31	MECH	CP-1	CONDENSATE PUMP	208	3	(2) 1	3.492	9.692	-	DV 23	-	-	20N	BE084- 11,13,15	AR	13	
M32	MECH	PHE-1	PUMP	208	3	3/4	1.261	3.5	-	30/3	-	6	00	20	2E06- 8,10,12	AR	11
M33	MECH	PHE-2	PUMP	208	3	3/4	1.261	3.5	-	30/3	-	6	00	20	2E07- 14,16,18	AR	11
M34	STAIR S1D1	EBH-1	ELECTRIC BASEBOARD HEATER	208	-	-	1.500	7.2	-	DV 23	-	-	20P2	BE082- 14,16	AR	14	
M35	STAIR S1D2	EBH-2	ELECTRIC BASEBOARD HEATER	208	-	-	1.500	7.2	-	DV 23	-	-	20P2	BE082- 18,20	AR	14	
M36	MECH	EWL-4	ELECTRIC WALL HEATER	208	3	1 1/6	1.800	32.38	-	60/3	-	50	50	50	2E08- 13,15,17	AR	15
M37	E207	AHU-SUPPLY	AIR HANDLER (SUPPLY FAN)	208	3	10	11.639	32.708	-	DV 23	-	50	50	50	2E08- 19,21,23	AR	15
M38	E207	AHU-RETURN	AIR HANDLER (RETURN FAN)	208	3	3	3.991	11.077	-	30/3	-	20	-	-	-	AR	15

Notes:

BCB2

ROOM BSMNT ELEC RM D008C

MOUNTING SURFACE

FED FROM UTILITY

NOTE EXISTING, 2

VOLTS 208Y/120V 3P 4W

BUS AMPS 225

NEUTRAL 100%

AIC 22,000

MAIN BKR 225

LUGS STANDARD

CKT #	CKT BKR	NOTES	CIRCUIT DESCRIPTION	KVA LOAD			CKT #	CKT BKR	NOTES	CIRCUIT DESCRIPTION	KVA LOAD		
				A	B	C					A	B	C
1	20 /1	3	LTG ELEC COMM ROOM	0.356			2	100 /3	3	PANEL 1CB3(ER)	8.36		
3	/1		SPACE				4				8.32		
5	/1		SPACE		0		6						8.78
7	/1		SPACE	0			8	100 /3	1	PANEL 2CB7	4.58		
9	/1		SPACE		0		10				4.08		
11	/1		SPACE				12						2.7
13	/1		SPACE	0			14	/1		SPACE	0		
15	/1		SPACE				16	/1		SPACE		0	
17	/1		SPACE		0		18	/1		SPACE			0
19	/1		SPACE	0			20	/1		SPACE	0		
21	/1		SPACE		0		22	/1		SPACE		0	
23	/1		SPACE			0	24	/1		SPACE			0
25	/1		SPACE		0		26	/1		SPACE	0		
27	/1		SPACE				28	/1		SPACE		0	
29	/1		SPACE			0	30	/1		SPACE			0
31	/1		SPACE	0			32	/1		SPACE	0		
33	/1		SPACE		0		34	/1		SPACE			
35	/1		SPACE			0	36	/1		SPACE			
37	/1		SPACE	0			38	/1		SPACE	0		
39	/1		SPACE		0		40	/1		SPACE		0	
41	/1		SPACE				42	/1		SPACE			0
							TOTAL CONNECTED KVA BY PHASE				13.3	12.4	11.5
							TOTAL CONNECTED AMPS BY PHASE				111	103	95.6

BLSB

ROOM BSMT ELEC RM D008C

MOUNTING SURFACE

FED FROM UTILITY

NOTE EXISTING, 2

VOLTS 208Y/120V 3P 4W

BUS AMPS 225

NEUTRAL 100%

AIC 22,000

MAIN BKR 225

LUGS STANDARD

CKT #	BKR #	NOTES	CIRCUIT DESCRIPTION	KVA LOAD			CKT #	BKR #	NOTES	CIRCUIT DESCRIPTION	KVA LOAD		
				A	B	C					A	B	C
1	20/1	4	NURSE CALL EQUIP	0.75			2	100/3	4	PANEL 1LSB	1.79		
3	20/1	4	NURSE CALL EQUIP		0.75		4			SPACE	1.87		
5	20/1	4	NURSE CALL EQUIP			0.75	6	20/1	2.5	ER CANOPY LIGHTS	0.24		0.862
7	20/1	4	BASEMENT LIGHTS	0.059			8			SPACE			
9	20/1	4	INGRADE LIT		1.04		10	/1		SPACE			
11	20/1	4	SOFFIT/ROOF LIT			0.412	12	/1		SPACE			
13	100/3	4	100 AMP PLUG-IN LUGS		9.61		14	/1		SPACE	0		0
15					9.61		16	/1		SPACE		0	
17						9.61	18	/1		SPACE		0	0
19	/1		SPACE	0			20	/1		SPACE	0		
21	/1		SPACE		0		22	/1		SPACE		0	
23	/1		SPACE			0	24	/1		SPACE			0
25	/1		SPACE	0			26	/1		SPACE	0		
27	/1		SPACE		0		28	/1		SPACE		0	
29	/1		SPACE			0	30	/1		SPACE			0
31	/1		SPACE	0			32	/1		SPACE	0		
33	/1		SPACE				34	/1		SPACE		0	
35	/1		SPACE			0	36	/1		SPACE			0
37	/3		SPACE	0			38	100/3	1	PANEL 2LS4	4.41		
39					0		40				3.66		
41						0	42						2.28
							TOTAL CONNECTED KVA BY PHASE				16.9	16.9	13.9
							TOTAL CONNECTED AMPS BY PHASE				140	141	116
				CONN. KVA	CALC. KVA		CONN. KVA	CALC. KVA					
LIGHTING				10	12.5 (125%)		CONTINUOUS	1.5		1.88 (125%)			
LARGEST MOTOR				0.5	0.625 (125%)		HEATING	0		0 (100%)			
OTHER MOTORS				0.5	0.5 (100%)		NONCONTINUOUS	35.2		35.2 (100%)			
RECEPTACLES				0	0 (50%>10)		KITCHEN EQUIP	0		0 (N/A)			
CONTINUOUS				0	0 (0%)		NONCOIN/DIVERSE	0		0 (N/A)			
CONTINUOUS				0	0 (0%)		TOTAL KW	47.7		50.7			
BALANCED THREE PHASE AMPS 141													

PANEL KEYNOTES:

1. PROVIDE CIRCUIT BREAKER, SIZE AS INDICATED IN EXISTING SPACE. 4. EXISTING LOAD TO REMAIN.

2. ROUTED THROUGH EXTERIOR LIGHTING CONTACTOR.

3. THE CONTRACTOR SHALL VERIFY THE CONFIGURATION OF THIS PANEL. ELECTRICAL WORK MAY HAVE BEEN PERFORMED ON THIS PANEL AFTER ENGINEERING SITE INVESTIGATION.

5. EXISTING LOAD MODIFIED, VALUE SHOWN IS LOAD ADDED UNDER THIS CONTACTOR AND EXISTING LOAD.

2EQS

ROOM ELECTRICAL E211

MOUNTING SURFACE

FED FROM 2EQ5

NOTE NEW

VOLTS 208Y/120V 3P 4W

BUS AMPS 225

NEUTRAL 100%

A/C 22,000

MAIN BKR MLO

LUGS STANDARD

CKT #	CKT BKR	NOTES	CIRCUIT DESCRIPTION	KVA LOAD			CKT #	CKT BKR	NOTES	CIRCUIT DESCRIPTION	KVA LOAD		
				A	B	C					A	B	C
1	20/1	1	SCS-1	1.8			2	20/1	1	HPS-4	1.92	1.5	
3	20/1	1	S-3		0.24		4	20/2		EWB-3			
5	20/1	1	S-1				6	1					1.5
7	20/3			0.721			8	20/1	1	RECEPTACLE	0.18		
9	20/1				0.721		10	20/1	1	CHEM/DAG SENSOR			
11	20/1						12	20/1	1	CHEM/DAG SENSOR	0.18		0.06
13	50/3	2	AHU-SUPPLY	3.88			14	20/1	1	SB-1	0.5		
15	1				3.88		16	20/1	1	RECEPTACLE		0.9	
17	1					3.88	18	20/1	1	RECEPTACLE			0.9
19	20/3	2	AHU-RETURN	1.33			20	20/1	1	RECEPTACLE	0.72		
21	1				1.33		22	20/1	1	RECEPTACLE		0.54	
23	1					1.33	24	20/1	1	RECEPTACLE			0.72
25	/1		SPACE	0	0		26	20/1	1	RECEPTACLE	0.9		
27	/1		SPACE				28	20/1	1	RECEPTACLE	0.18		
29	/1		SPACE			0	30	/1		SPACE			0
31	/1		SPACE				32	/1		SPACE	0		
33	/1		SPACE				34	/1		SPACE			
35	/1		SPACE		0		36	/1		SPACE			0
37	/1		SPACE	0			38	/1		SPACE	0		
39	/2		SPACE		0		40	/1		SPACE		0	
41	1					0	42	/1		SPACE			
TOTAL CONNECTED KVA BY PHASE											12	9.47	9.35
TOTAL CONNECTED AMPS BY PHASE											99.6	79.2	78.2
			CONN. KVA	CALC. KVA						CONN. KVA	CALC. KVA		
LIGHTING			0	0 (125%)			CONTINUOUS			0.24	0.3 (125%)		
LARGEST MOTOR			11.6	14.5 (125%)			HEATING			3	3 (100%)		
OTHER MOTORS			7.95	7.95 (100%)			NONCONTINUOUS			2.42	2.42 (100%)		
RECEPTACLES			5.28	5.28 (50%>10)			KITCHEN EQUIP			0	0 (N/A)		
CONTINUOUS			0.24	0 (0%)			NONCON/DIVERSE			0	0 (N/A)		
CONTINUOUS			0	0 (0%)			TOTAL KVA			30.8	33.5		
BALANCED THREE PHASE AMPS 93													

PANEL KEYNOTES:

1. ALL BRANCH CIRCUITS SHALL CONTAIN SEPARATE NEUTRAL PER NEC 210.4(B). COMMON TRIP FOR CIRCUIT BREAKERS IS NOT ALLOWED.

2. EXISTING LOAD RE-FED FROM THIS PANEL.

REQ#2

ROOM BSMNT ELEC RM D008C

VOLTS 208Y/120V 3P 4W

A/C 22,000

MOUNTING SURFACE

BUS AMPS 400

MAIN BKR 400

FED FROM REQ#

NEUTRAL 100%

LUGS STANDARD

NOTE EXISTING, 2

CKT #	CKT BKR	NOTES	CIRCUIT DESCRIPTION	KVA LOAD			CKT #	CKT BKR	NOTES	CIRCUIT DESCRIPTION	KVA LOAD				
				A	B	C					A	B	C		
1	/1		SPACE	0			2	225/3	3	PANEL BEQ#3	19.2				
3	/1		SPACE		0		4				17.7				
5	/1		SPACE			0	6						17.4		
7	/1		SPACE	0			8	225/3	1	PANEL 2EQ6	11.6				
9	/1		SPACE		0		10				10.7				
11	/1		SPACE			0	12						12.5		
13	/1		SPACE	0			14	20/2	1	EBH-1	0.75				
15	/1		SPACE		0		16				0.75				
17	/1		SPACE			0	18	20/2	1	EBH-2			0.75		
19	/1		SPACE	0			20				0.75				
21	/1		SPACE			0	22	/1		SPACE	0				
23	/1		SPACE			0	24	/1		SPACE			0		
25	/1		SPACE			0	26	/1		SPACE	0				
27	/1		SPACE		0		28	/1		SPACE		0			
29	/1		SPACE			0	30	/1		SPACE			0		
31	/1		SPACE	0			32	/1		SPACE	0				
33	/1		SPACE			0	34	/1		SPACE			0		
35	/1		SPACE			0	36	/1		SPACE		0			
37	/1		SPACE	0			38	/1		SPACE	0				
39	/1		SPACE		0		40	/1		SPACE		0			
41	/1		SPACE			0	42	/1		SPACE			0		
TOTAL CONNECTED KVA BY PHASE											32.3	29.1	30.7		
TOTAL CONNECTED AMPS BY PHASE											269	242	256		
				CONN. KVA	2.21	(125%)					CONN. KVA	0.5	0.625	(125%)	
				LIGHTING	1.77						HEATING	3	3	(100%)	
				LARGEST MOTOR	31.7	39.6	(125%)					NONCONTINUOUS	1.5	1.5	(100%)
				OTHER MOTORS	52.3	52.3	(100%)					KITCHEN EQUIP	0	0	(N/A)
				RECEPTACLES	1.26	1.26	(50%>10)					NONCOM/DIVERSE	0	0	(N/A)
				CONTINUOUS	0	0	(0%)					TOTAL KVA	92.1	TOT	
				CONTINUOUS	0	0	(0%)					BALANCED THREE PHASE AMPS 279			

PANEL KEYNOTES:

1. PROVIDE CIRCUIT BREAKER, SIZE AS INDICATED IN EXISTING SPACE.

2. THE CONTRACTOR SHALL VERIFY THE CONFIGURATION OF THIS PANEL. ELECTRICAL WORK MAY HAVE BEEN PERFORMED ON THIS PANEL AFTER ENGINEERING SITE INVESTIGATION.

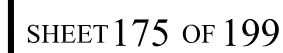
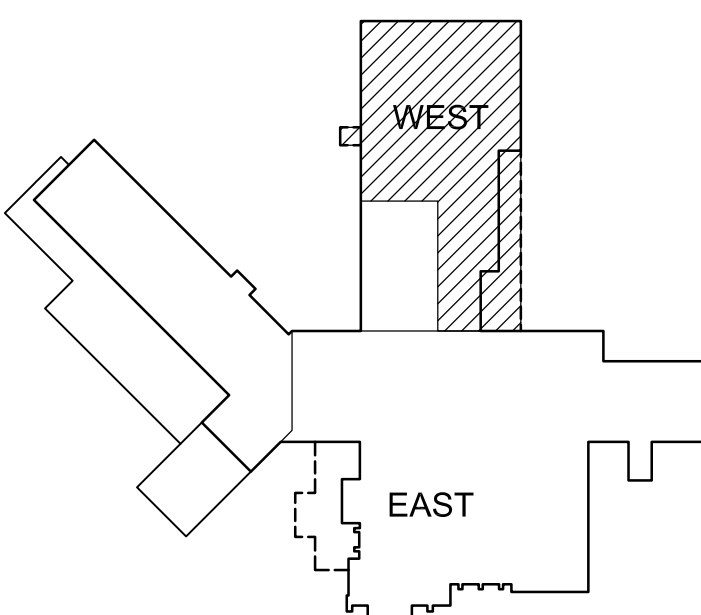
3. EXISTING LOAD TO REMAIN.

2EQ6																			
ROOM ELECTRICAL D205				VOLTS 208Y/120V 3P 4W				AIC 22,000											
MOUNTING SURFACE				BUS AMPS 225				MAIN BKR MLO											
FED FROM BEQ82				NEUTRAL 100%				LUGS STANDARD											
NOTE NEW																			
CKT #	CKT BKR	NOTES	CIRCUIT DESCRIPTION	KVA LOAD			CKT #	CKT BKR	NOTES	CIRCUIT DESCRIPTION	KVA LOAD								
				A	B	C					A	B	C						
1	70/3		AHU-19 SF	5.82			2	20/3		EF-2.11	0.443								
3				5.82			4				0.443								
5				5.82			6					0.443							
7	20/1	1	AHU LIGHTS	0.5			8	20/3		PHE-1	0.443		0.443						
9	20/1	1	EF-2.3		0.696		10				0.443								
11	20/1	1	EF-2.2		1.18		12					0.443	0.443						
13	20/1	1	EF-2.1	0.696			14	20/3		PHE-2	0.443								
15	20/1	1	EF-2.10		0.058		16				0.443								
17	20/1	1	EF-2.8		1.92		18					0.443	0.443						
19	20/3		AHU-19 RF	0.942			20	20/1	1	ETP-2	0.5								
21				0.942			22	20/1	1	ETP-2	0.5								
23				0.942	0.942		24	/1		SPACE		0							
25	20/1	1	EF-2.12	0.864			26	/1		SPACE	0								
27	20/1	1	EF-2.13		0.864		28	/1		SPACE	0	0							
29	20/3	1	EF-2.14		0.443		30	/1		SPACE		0	0						
31				0.443			32	/1		SPACE	0								
33				0.443			34	/1		SPACE	0	0							
35	20/1	1	FIRE/SMOKE DAMPER		0.9		36	/1		SPACE									
37	20/1	1	AIR FLOW MONITOR	0.5			38	/1		SPACE	0								
39	/1		SPACE		0		40	/1		SPACE	0	0							
41	/1		SPACE		0		42	/1		SPACE		0	0						
TOTAL CONNECTED KVA BY PHASE											11.6	10.7	12.5						
TOTAL CONNECTED AMPS BY PHASE											96.6	88.7	104						
				CONN. KVA		CALC. KVA					CONN. KVA		CALC. KVA						
				0.5		0.625 (125%)					0.5		0.625 (125%)						
				17.5		21.8 (125%)					0		0 (100%)						
				15.3		15.3 (100%)					1		1 (100%)						
				0		0 (50%>10)					0		0 (N/A)						
				0		0 (0%)					0		0 (N/A)						
				0		0 (0%)					0		0 (N/A)						
TOTAL KVA											54.8	39.4							
BALANCED THREE PHASE AMPS 109																			

PANEL KEYNOTES:

- ALL BRANCH CIRCUITS SHALL CONTAIN SEPARATE NEUTRAL PER NEC 210.4(B). COMMON TRIP FOR CIRCUIT BREAKERS IS NOT ALLOWED.

2EQ7													
ROOM ELECTRICAL E211				VOLTS 208Y/120V 3P 4W				AIC 22,000					
MOUNTING SURFACE				BUS AMPS 225				MAIN BKR MLO					
FED FROM 2EQ5				NEUTRAL 100%				LUGS STANDARD					
NOTE NEW													
CKT #	CKT BKR	NOTES	CIRCUIT DESCRIPTION	KVA LOAD			CKT #	CKT BKR	NOTES	CIRCUIT DESCRIPTION	KVA LOAD		
				A	B	C					A	B	C
1	20/1	1	EV-1	0.216			2	20/1		EF-2.7	0.942		
3	20/1	1	COOLER LITES	0.5			4	4			0.942		
5	20/1	1	EF-2.6		0.864		6	1					0.942
7	/1		SPACE	0			8	20/3		EF-2.5	0.831		
9	20/2		CU-1		0.96		10	1			0.831		
11					0.96		12	1					0.831
13	20/2		CU-2	0.96			14	20/3		EF-2.4	0.443		
15					0.96		16	1			0.443		0.443
17	20/1	1	EF-2.16		0.528		18	1					
19	20/2		HPS-1	0.05			20	20/1	1	FIRE/SMOKE DAMPER	0.54		
21					0.05		22	20/1	1	ROOF DRAIN HT		1	
23	20/1	1	ETP-1		0.5		24	20/1	1	ROOF DRAIN HT			1
25	20/1		ETP-2	0.5			26	20/1	1	AIR FLOR MONITOR	0.5		
27	20/2		SCS-1		1.25		28	20/1	1	RECEPTACLE		0.36	
29					1.25		30	20/1	1	RECEPTACLE			0.36
31	20/2		SCS-2	1.25			32	/1		SPACE	0		
33					1.25		34	/1		SPACE		0	
35	20/2		SCS-3			1.25	36	/1		SPACE			0
37				1.25			38	/1		SPACE	0		
39	/1		SPACE		0		40	/1		SPACE		0	
41	/1		SPACE		0		42	/1		SPACE			0
TOTAL CONNECTED KVA BY PHASE											7.48	8.55	8.93
TOTAL CONNECTED AMPS BY PHASE											62.5	71.2	74.5
				CONN. KVA	0.625		CALC. KVA				CONN. KVA	0	
					(125%)							(125%)	
				LIGHTING	0.5						CONTINUOUS	0	
				LARGEST MOTOR	2.83						HEATING	2	
				OTHER MOTORS	17.3						NONCONTINUOUS	1.6	
				RECEPTACLES	0.72		(50%+10)				KITCHEN EQUIP	0	
				CONTINUOUS	0		(0%)				NONCOIN/DIVERSE	0	
				CONTINUOUS	0		(0%)				TOTAL KVA	25	
												25.8	
BALANCED THREE PHASE AMPS 71.6													
PANEL KEYNOTES:													
1. ALL BRANCH CIRCUITS SHALL CONTAIN SEPARATE NEUTRAL PER NEC 210.4(B). COMMON TRIP FOR CIRCUIT BREAKERS IS NOT ALLOWED.													



GENERAL NOTES:

1. COORDINATE THE EXACT LOCATION OF ALL IN-FLOOR DEVICES WITH THE ARCHITECT PRIOR TO INSTALLATION.
2. COORDINATE WITH THE GENERAL CONTRACTOR FOR PATCHING AND REPAIRING OF EXISTING WALLS AS REQUIRED TO EXTEND CONDUIT AND WIRING.
3. THE CONTRACTOR SHALL VERIFY THE TYPE OF WALL PENETRATION REQUIRED FOR EACH CONDUIT. PROVIDE CONCRETE DRILLING AS REQUIRED TO ROUTE CONDUITS.
4. COORDINATE WITH THE GENERAL CONTRACTOR FOR CUTTING AND PATCHING OF EXISTING FLOOR SLAB AS REQUIRED TO EXTEND CONDUIT AND WIRING.
5. WHERE AN EXISTING ELECTRICAL RECEPTACLE IS TO BE COVERED BY CASEWORK, THE CONTRACTOR SHALL RELOCATE THE RECEPTACLE TO ABOVE THE COUNTERTOP.

SHEET 175 OF 199

