GOVERNOR JUAN F. LUIS HOSPITAL

PHASE 1 (T.O.R.) & PHASE 2 (DIALYSIS)

ST. CROIX U.S.V.I.

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REFERENCE DRAWINGS (PDF FILES)

PDF FILES INCLUDED IN PROJECT ELECTRONIC FOLDER.

ARCH PDF'S	MECH. PDF'S
A1-01.pdf	P2.01.pdf
A2-01.pdf	P3.1.pdf
A2-02.pdf	P3.2.pdf
A2-03.pdf	P5.1.pdf
A2-04.pdf	
A2-05.pdf	
A2-06.pdf	
A3-01.pdf	
A3-02.pdf	
A3-03.pdf	
A3-04.pdf	
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A3-07.pdf	
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A5-01.pdf	
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A6-01.pdf	
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A7-02.pdf	
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A7-04.pdf	
A7-05.pdf	
A7-06.pdf	
A7-07.pdf	
A8-01.pdf	
A8-02.pdf	
ALS-01.pdf	
ALS-02.pdf	

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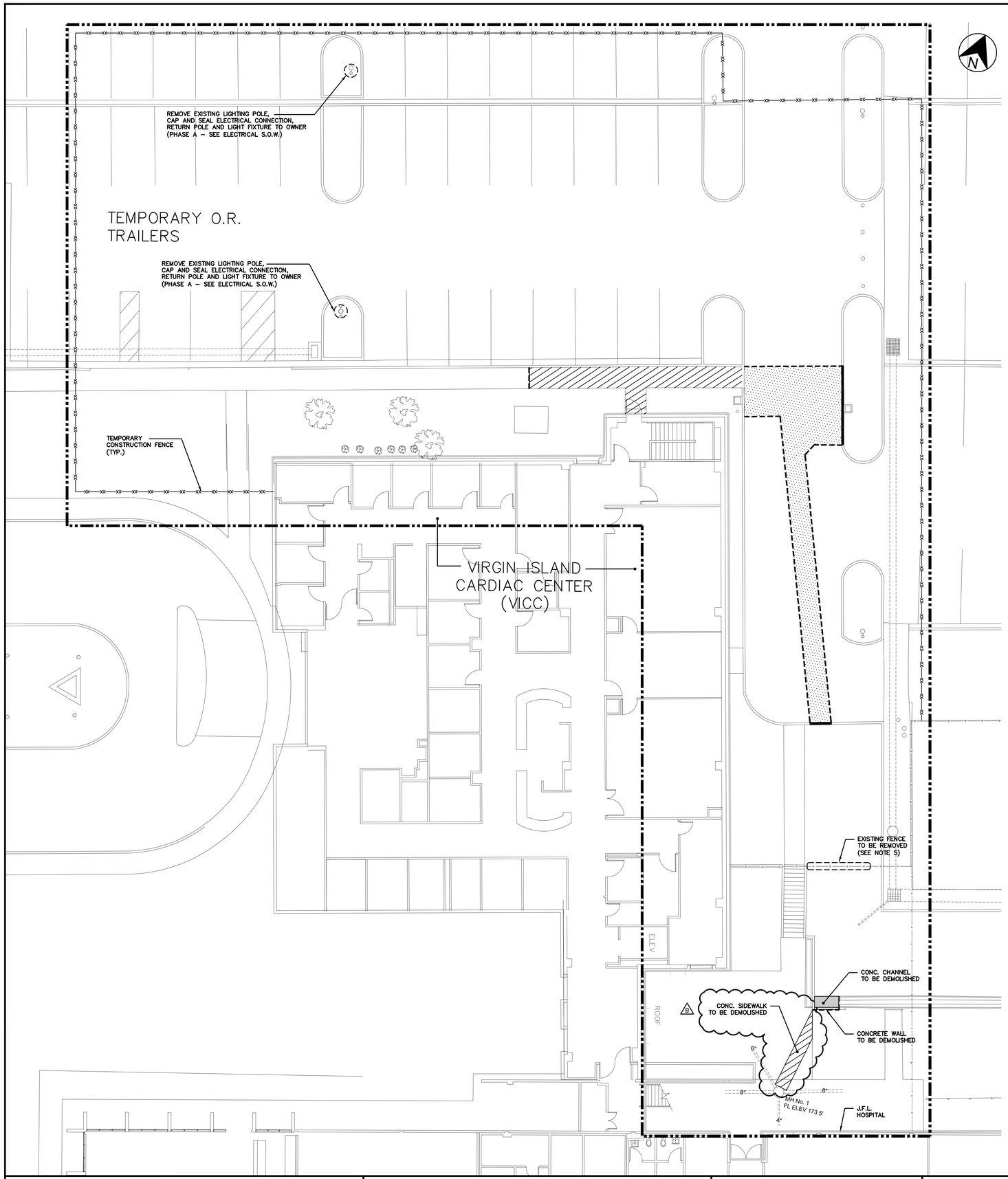
03/28/18	A ADDENDUM No.1	Y.D.
03/23/18	A ISSUED FOR BID	Y.D.

Job No.	18031
SCALE	AS SHOWN
DATE	03/15/17
DRAWN BY	CAD
CHECKED BY	FVC

TITLE SHEET AND INDEX OF DRAWINGS
T I T L E

T–01
REVISION No. B

FILE: 18031\T-01.DWG USER: AMM SEQUENCE: 24 DATE: 03/29/2018



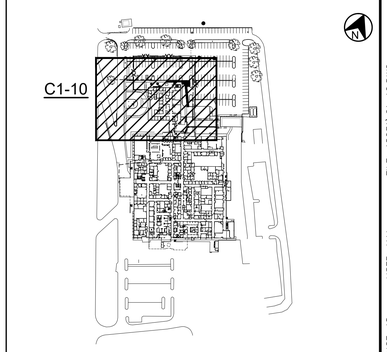
LEGEND:

- SAW CUT
- CONCRETE CHANNEL TO BE DEMOLISHED
- CONC. WALL TO BE DEMOLISHED
- CONC. CURB TO BE DEMOLISHED
- ASPHALT PAVEMENT TO BE DEMOLISHED
- CONCRETE SIDEWALK TO BE DEMOLISHED

GENERAL DEMOLITION NOTES:

1. CONTRACTOR SHALL BE VERY CAREFUL NOT TO DAMAGE EXISTING UTILITIES TO REMAIN DURING THE DEMOLITION WORKS.
2. CONTRACTOR IS RESPONSIBLE FOR ANY DAMAGES INFLICTED TO ADJACENT PROPERTY OR OTHER AREAS DURING THE DEMOLITION PROCESS. DAMAGED ITEMS SHALL BE RESTORED TO ITS ORIGINAL CONDITION AT THE CONTRACTOR'S EXPENSE.
3. DEMOLITION WORK INCLUDES REMOVAL AND LEGAL DISPOSAL OF ALL EXISTING CONSTRUCTION ITEMS, AND SHALL BE EXECUTED IN CONFORMANCE WITH ALL LOCAL, STATE AND FEDERAL ORDINANCES AND REGULATIONS AS SET FORTH BY ALL GOVERNING AUTHORITIES.
4. CONTRACTOR SHALL IMMEDIATELY NOTIFY THE OWNER IF ANY WORK INDICATED IN THE CONTRACT DOCUMENTS CANNOT BE PERFORMED DUE TO THE EXISTING FIELD CONDITIONS.
5. REMOVE EXISTING FENCE SEGMENT AS REQUIRED FOR THE UTILITIES INSTALLATION. FENCE SEGMENT SHALL BE STORED IN A SECURE LOCATION BY CONTRACTOR AND REINSTALLED AFTER CONSTRUCTION IN THAT AREA IS FINISHED.

WORK LIMITED TO OUTLINED AREA ONLY



KEY PLAN
SCALE: 1"=100'

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DATE	REVISIONS	BY
03/28/18	B ADDENDUM No.1	A. MARTINEZ
03/23/18	A ISSUED FOR BID	A. MARTINEZ

DATE	REVISIONS	BY

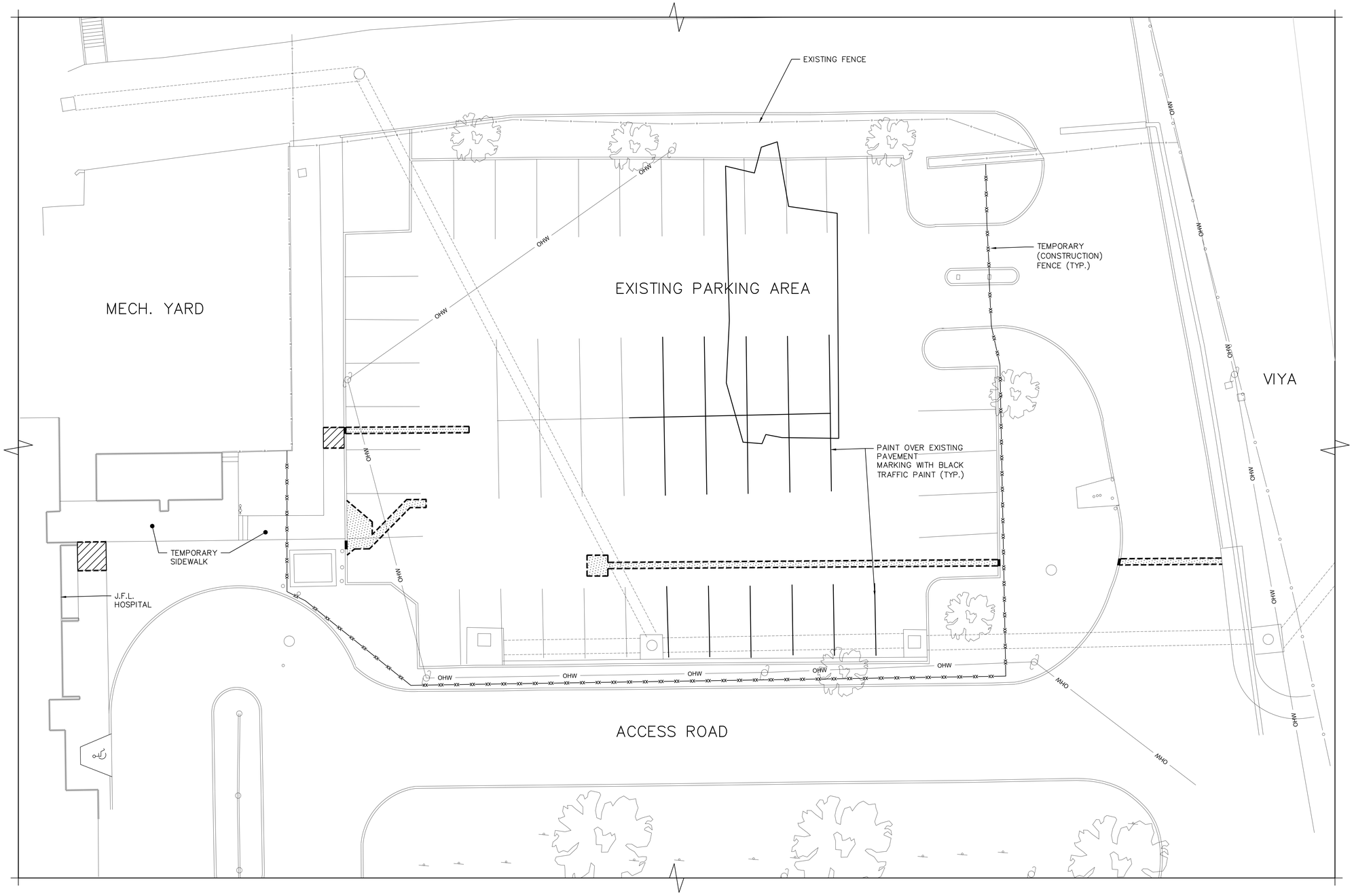
DATE	REVISIONS	BY

Job No.	18031
SCALE	1"=10'
DATE	02/08/18
DRAWN BY	CAD
CHECKED BY	

DEMOLITION PLAN
PHASE 1 (T.O.R.)
TITLE

C1–10
REVISION No. B

FILE: 18031\C1-10.DWG
USER: AMA
SEQUENCE: 48
DATE: 03/29/2018



LEGEND:

- SAW CUT
- CONCRETE CHANNEL TO BE DEMOLISHED
- CONC. WALL TO BE DEMOLISHED
- CONC. CURB TO BE DEMOLISHED
- ASPHALT PAVEMENT TO BE DEMOLISHED
- CONCRETE SIDEWALK TO BE DEMOLISHED

NOTE:

1. SEE LEGEND AND NOTES ON DWG. C1-10.

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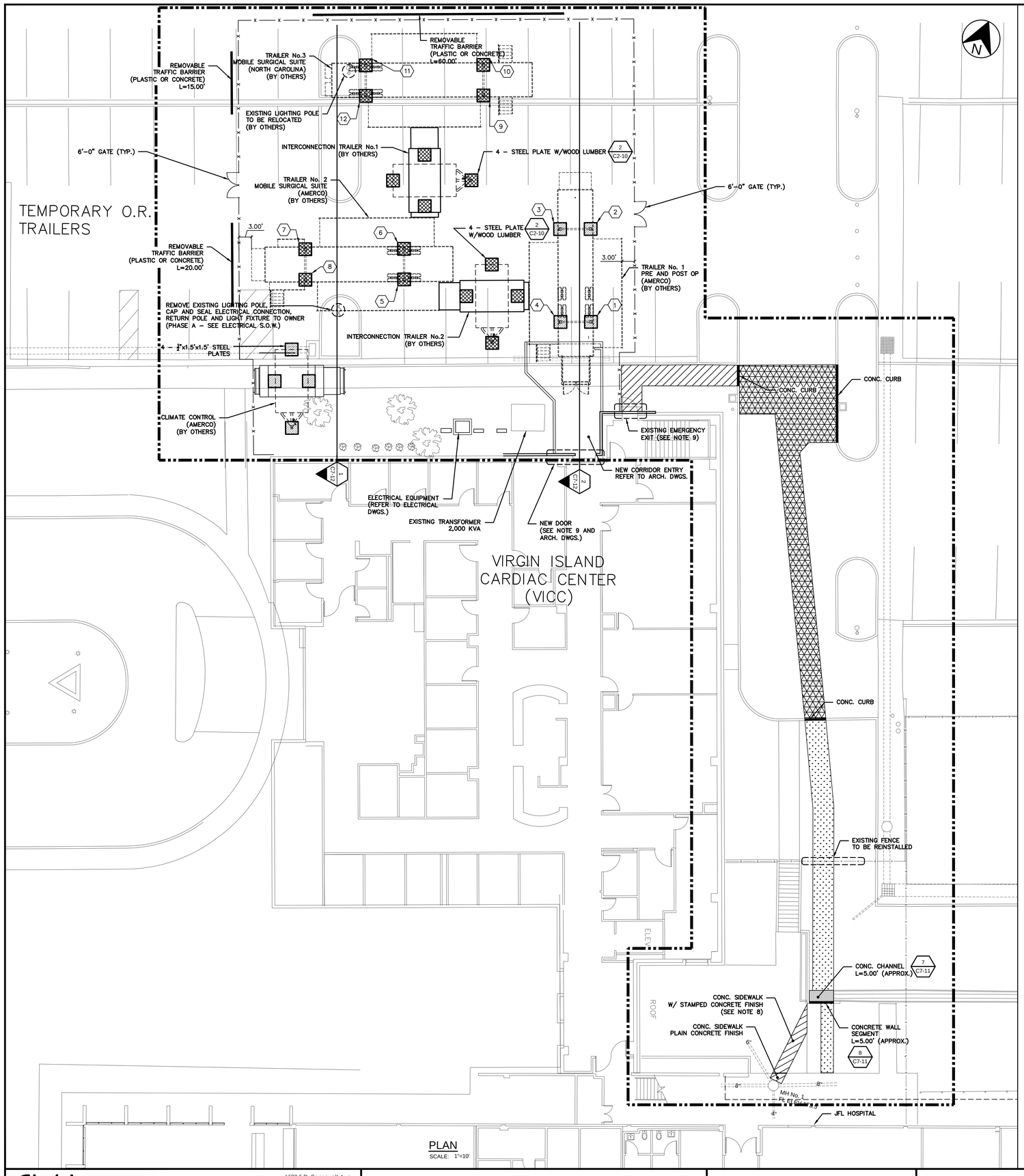
Job No.	18031
SCALE	1"=10'
DATE	02/08/18
DRAWN BY	CAD
CHECKED BY	

DEMOLITION PLAN
PHASE 2 (DIALYSIS)
TITLE

C1-13
REVISION No. A

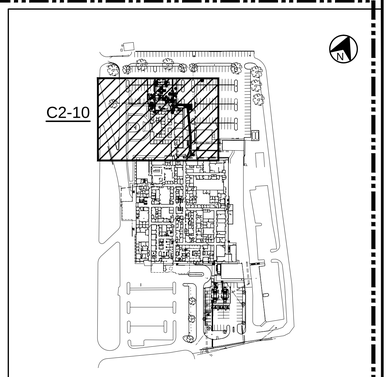
FILE: 18031\C1-13.DWG
USER: JMM
SEQUENCE: 42
DATE: 03/23/2018



PLAN
SCALE: 1"=10'

LEGEND:

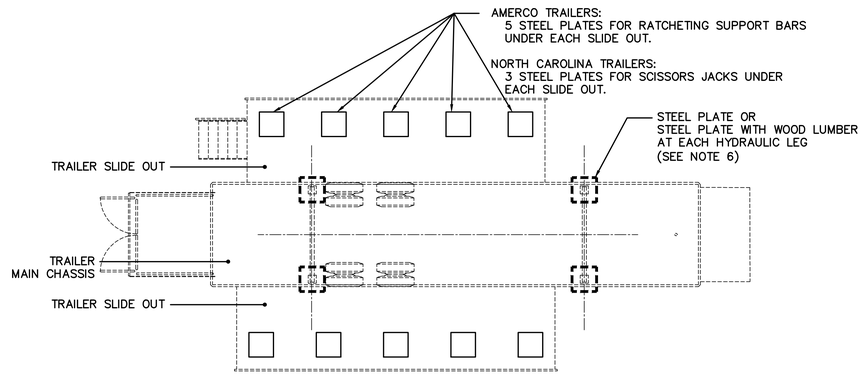
- HYDRAULIC LEG ID
- STEEL PLATE WITH WOOD LUMBER (2 / C2-10)
- STEEL PLATE (SEE NOTES 2 AND 3)
- ASPHALT PAVEMENT (2 / C7-11)
- CONCRETE SIDEWALK (5 / C7-11)
- GRASS (BY OTHERS)
- CONCRETE CURB (1 / C7-11)
- CONCRETE CHANNEL (7 / C7-11)
- x — TEMPORARY FENCE (SEE NOTE 7)



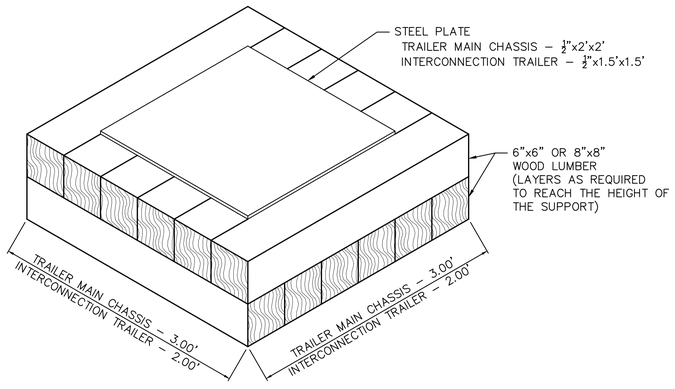
KEY PLAN
SCALE: 1"=100'

NOTES:

1. ALL DIMENSIONS ARE EXPRESSED IN FEET UNLESS OTHERWISE SPECIFIED.
2. TRAILER MAIN CHASSIS AND SLIDE OUT STEEL PLATES SHALL BE 1/2"x2'x2'.
3. INTERCONNECTION TRAILER AND CLIMATE CONTROL STEEL PLATES SHALL BE 1/2"x1.5'x1.5'.
4. SEE SUBGRADE PREPARATION DETAIL ON STRUCTURAL DRAWINGS FOR INSTANCE ON GROUND.
5. ALL WOOD LUMBER SHALL BE PRESSURE TREATED.
6. SEE TABLE OF TRAILER MAIN CHASSIS SUPPORTS ON DWG. C2-20.
7. TEMPORARY FENCE SHALL BE EQUAL OR SIMILAR TO CAMERON FENCE CONPANY, MODEL: CROWD CONTROL BARRIER.
8. THE FINISH OF THE SIDEWALK SHALL MATCH THE EXISTING STAMPED CONCRETE FINISH.
9. THE EXISTING EMERGENCY EXIT OR THE PROPOSED DOOR COULD BE USED DURING CONSTRUCTION ACTIVITIES AS AN EMERGENCY EXIT. IT IS THE CONTRACTORS RESPONSIBILITY TO PROVIDE AN EMERGENCY EXIT TO BE AVAILABLE AT ALL TIMES.



TRAILER SUPPORTS DETAIL (1 / C2-10)
SCALE: 1"=5'



STEEL PLATE WITH WOOD LUMBER DETAIL (2 / C2-10)
SCALE: 1"=10'

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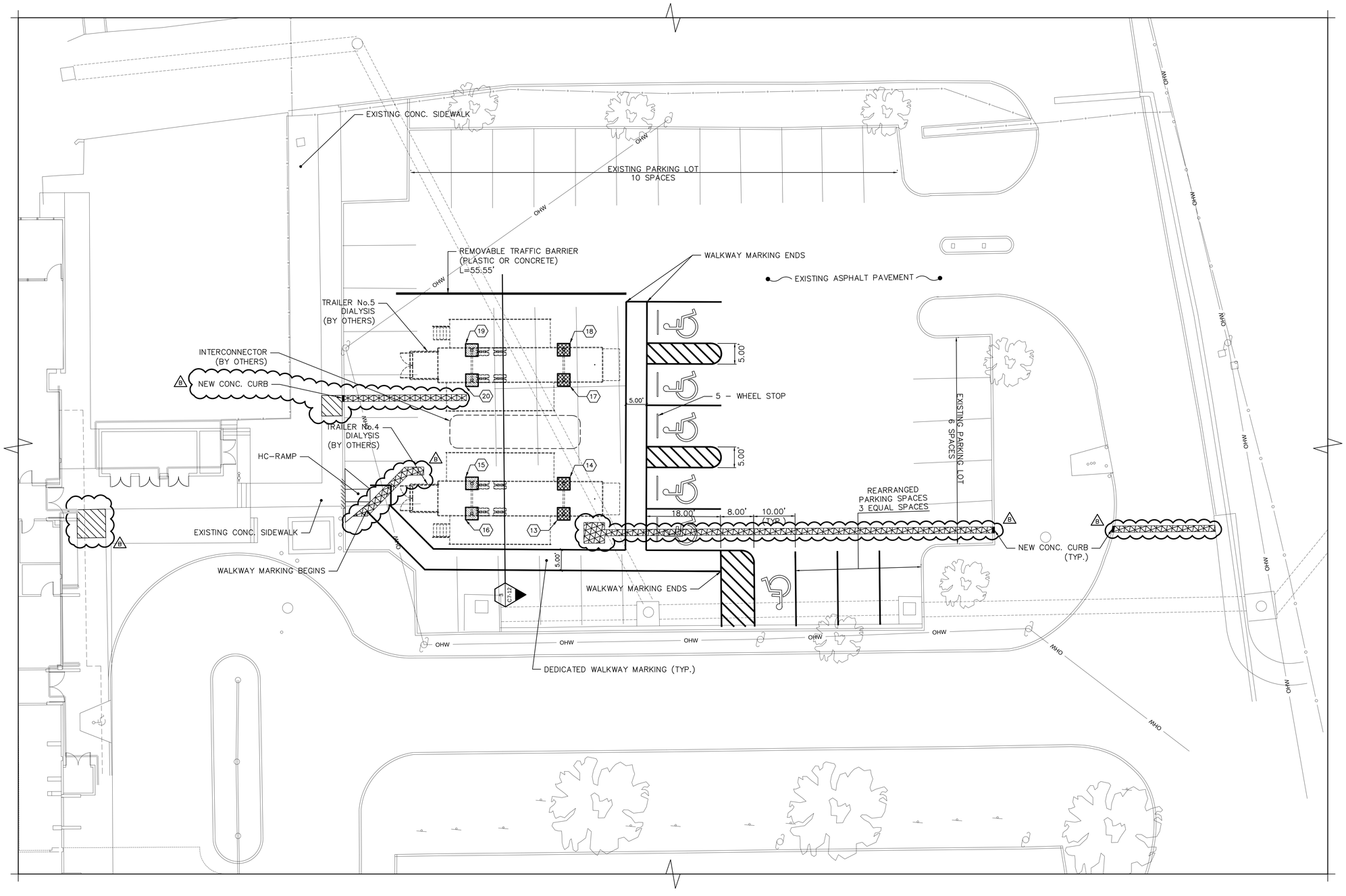
DATE	REVISIONS	BY
03/28/18	1 ADDENDUM No.1	A. MARTINEZ

Job No.	18031
SCALE	AS SHOWN
DATE	02/08/18
DRAWN BY	A.M. MUÑOZ
CHECKED BY	A.MARTINEZ

SITE PLAN
PHASE 1 (T.O.R.)
TITLE

C2-10
REVISION No. A

FILE: 18031\C2-10.DWG
USER: AMM
SEQUENCE: 65
DATE: 03/29/2018



NOTE:

1. SEE LEGEND AND NOTES ON DWG. C2-10.

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03/23/18	A ISSUED FOR BID	A. MARTINEZ

Job No.	18031
SCALE	1"=10'
DATE	02/08/18
DRAWN BY	CAD
CHECKED BY	

SITE PLAN
PHASE 2 (DIALYSIS)
TITLE

C2-13
REVISION No. B

FILE: 18031\C2-13.DWG USER: AMM SEQUENCE: 48 DATE: 03/28/2018

TRAILER MAIN CHASSIS SUPPORTS TABLE

TRAILER	ID	SUPPORT TYPE	TRAILER F.F.E.	GROUND ELEVATION (FEET)	STEEL PLATE ELEVATION (FEET)	COORDINATES (Y) NORTH	COORDINATES (X) EAST	NOTES
TRAILER No.1 PRE AND POST OP (AMERCO)	1	STEEL PLATE	196.01	192.48	192.48	623022.0594	1241307.6368	
	2	STEEL PLATE		193.23	193.23	623043.7539	1241303.0299	
	3	STEEL PLATE		193.14	193.14	623041.6164	1241292.9639	
	4	STEEL PLATE		192.20	192.20	623019.9219	1241297.5707	
TRAILER No.2 MOBILE SURGICAL SUITE (AMERCO)	5	STEEL PLATE & WOOD LUMBER	196.01	193.10	193.10	623019.3125	1241259.5886	
	6	STEEL PLATE & WOOD LUMBER		192.63	193.10	623029.3785	1241257.4510	
	7	STEEL PLATE & WOOD LUMBER		192.45	193.10	623024.4836	1241234.4000	
	8	STEEL PLATE & WOOD LUMBER		192.13	193.10	623017.9752	1241238.8490	
TRAILER No.3 MOBILE SURGICAL SUITE (NORTH CAROLINA)	9	STEEL PLATE & WOOD LUMBER	196.01	194.38	195.01	623066.7842	1241272.0931	SUPPORTS BY OTHERS
	10	STEEL PLATE & WOOD LUMBER		194.93	195.01	623076.8503	1241269.9556	
	11	STEEL PLATE & WOOD LUMBER		194.59	195.01	623071.0206	1241242.5027	
	12	STEEL PLATE & WOOD LUMBER		194.45	195.01	623060.3314	1241241.7057	
TRAILER No.4 DIALYSIS	13	STEEL PLATE & WOOD LUMBER	175.02	169.99	171.49	622417.2133	1241565.3847	
	14	STEEL PLATE & WOOD LUMBER		169.92	171.42	622416.2077	1241576.0774	
	15	STEEL PLATE		171.44	171.44	622440.9157	1241571.2343	
	16	STEEL PLATE		171.52	171.52	622438.9304	1241561.1372	
TRAILER No.5 DIALYSIS	17	STEEL PLATE & WOOD LUMBER	175.02	169.89	171.39	622420.5140	1241597.7036	
	18	STEEL PLATE & WOOD LUMBER		170.16	171.66	622422.5480	1241607.7910	
	19	STEEL PLATE		171.46	171.46	622447.2266	1241602.7999	
	20	STEEL PLATE		171.27	171.27	622445.1926	1241592.7124	

SANITARY COORDINATES TABLE

ID	(Y) NORTH	(X) EAST
C.O. No.1	623002.8185	1241292.4891
C.O. No.2	623015.5406	1241353.8966
C.O. No.3	622967.7177	1241368.4900
C.O. No.4	622920.1507	1241383.0053
C.O. No.5	622876.8546	1241393.2571

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DATE	REVISIONS	BY
03/28/18	A ADDENDUM No.1	A. MARTINEZ

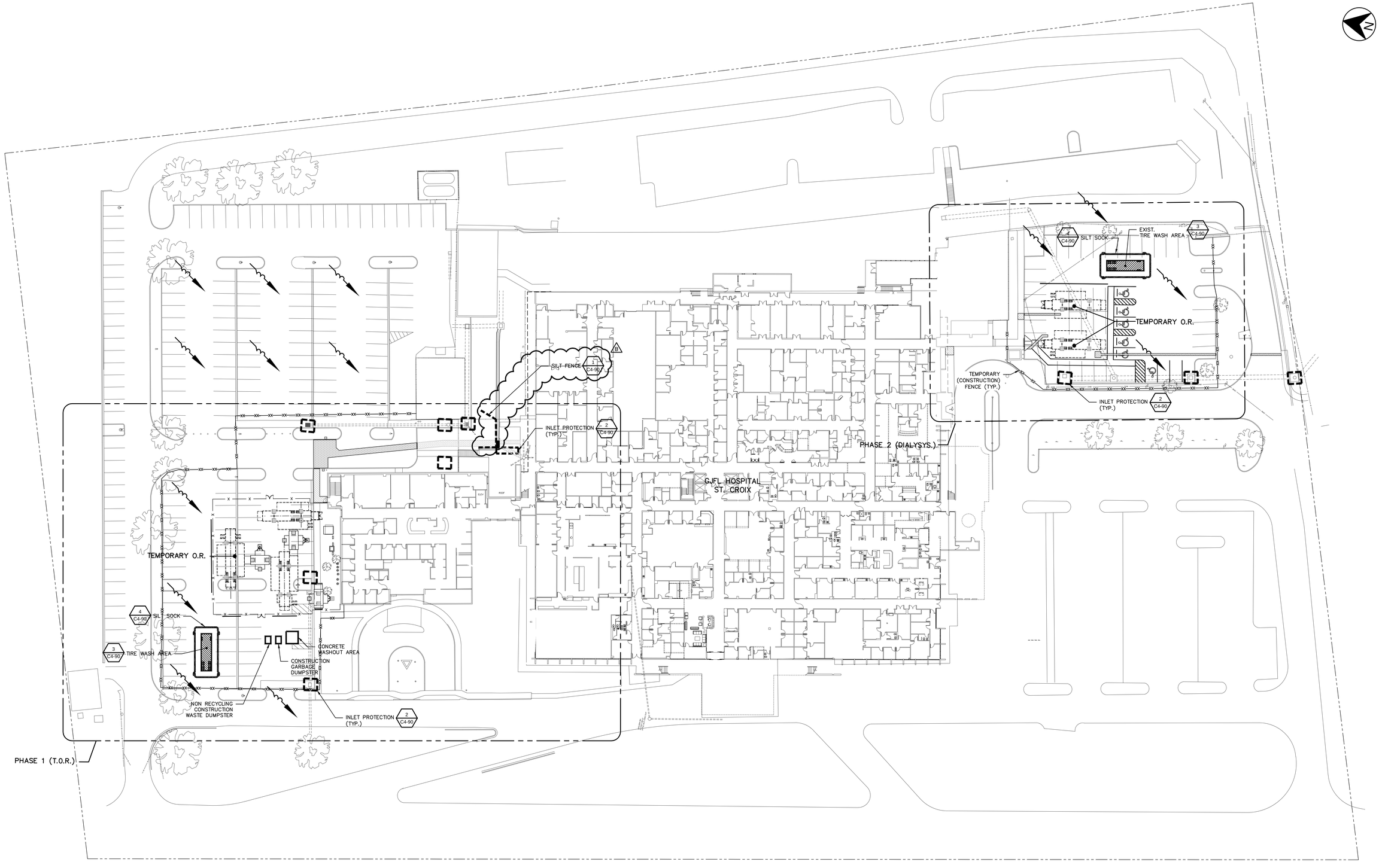
Job No. 18031
SCALE AS SHOWN
DATE 03/20/18
DRAWN BY A.M. MUÑOZ
CHECKED BY A. MARTINEZ

TITLE: COORDINATES TABLES

REVISION No. A

C2–20

FILE: 18031\C2-20.DWG USER: AMM SEQUENCE: 9 DATE: 03/27/2018



LEGEND:

- INLET PROTECTION
- RUN OFF DIRECTION
- SILT FENCE

NOTES:

1. ALL DIMENSIONS AND ELEVATIONS ARE IN FEETS UNLESS OTHERWISE SPECIFIED.
2. REFER TO DWG.C4–90 FOR THE EROSION AND SEDIMENTATION CONTROL PLAN DETAILS.

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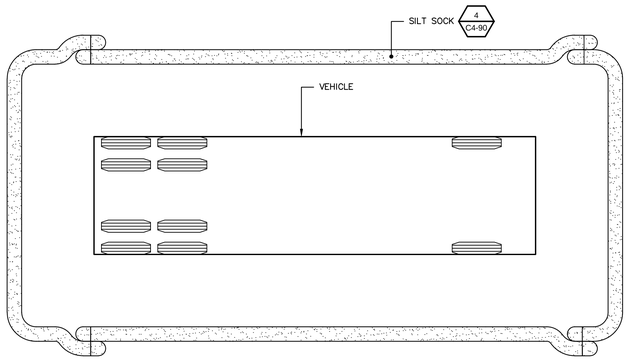
DATE	REVISIONS	BY
03/28/18	B ADDENDUM No.1	A. MARTINEZ
03/23/18	A ISSUED FOR BID	A. MARTINEZ

Job No.	18031
SCALE	1"=30'
DATE	02/20/18
DRAWN BY	A. MUÑOZ
CHECKED BY	A.MARTINEZ

EROSION AND SEDIMENTATION CONTROL PLAN
TITLE

C4–80
REVISION No. B

FILE: 18031\C4–80.DWG USER: AMM SEQUENCE: 40 DATE: 03/28/2018

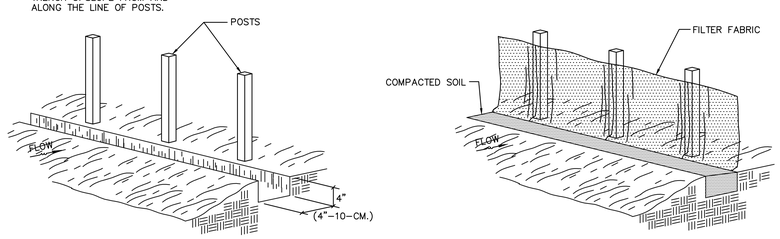


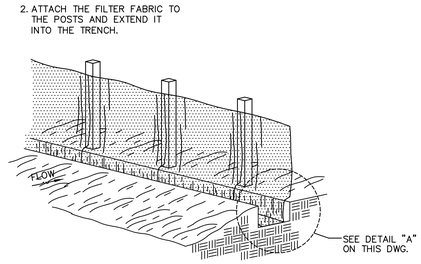
NOTES:

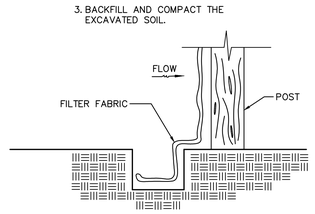
1. VEHICLES SHALL BE COMPLETELY SURROUNDED WITH SILT SOCK WHILE TIRE WASH PROCESS.
2. AFTER TIRES ARE WASHED, FRONT SILT SOCK SHALL BE REMOVED TO ALLOW THE VEHICLE TO EXIT.
3. SEDIMENT SATURATED SILT SOCKS SHALL BE REPLACED.

CONSTRUCTION VEHICLES TIRES WASHING AREA — 3 / C4-90

NTS





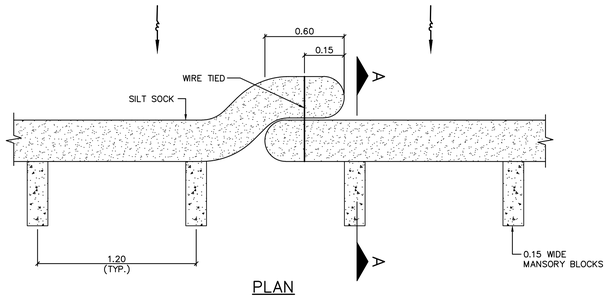


DETAIL "A"

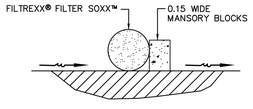
SILT FENCE INSTALLATION DETAIL — 1 / C4-90

NTS

B



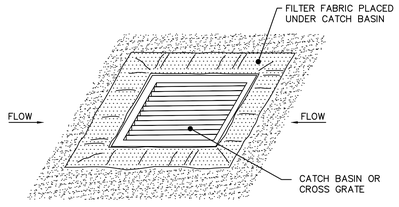
PLAN



SECTION

SILT SOCK DETAIL — 4 / C4-90

NTS



GRATE PROTECTION DETAIL — 2 / C4-90

NTS

EROSION CONTROL PLAN NOTES:

1) THE CONTRACTOR SHALL PROTECT ALL CATCH BASINS, SWALES AND CHANNELS NEAR THE PROJECT AREA THAT COULD BE POTENTIALLY, IMPACTED PRIOR TO START ANY EXCAVATION. ALL MEASURES CAN BE REMOVED WHEN THE LOCAL CONSTRUCTION BE COMPLETED.

2) ALL DISTURBED AREAS SHALL BE PROTECTED BY THE EROSION AND SEDIMENTATION CONTROL PLAN MEASURES EVEN THOUGH CONSTRUCTION ONLY INCLUDES PART OF THE PARCEL.

3) CONTRACTOR SHALL INSPECT SEDIMENT BARRIERS AFTER EACH RAIN EVENT. REPAIRS SHALL BE DONE AS SOON AS POSSIBLE. SEDIMENT SHALL BE REMOVED FROM THE BARRIERS WHEN THEY REACH HALF THE HEIGHT OF THE BARRIER.

4) THE CONTRACTOR SHALL MAINTAIN A WATER TANK TRUCK TO SPRAY IT AROUND THE WORKING AREAS WHEN NEEDED OR WHEN THE PROJECT INSPECTOR REQUIRES IT.

5) THE CONTRACTOR SHALL STRICTLY FOLLOW THE GUIDELINES STATED AT AT THE CES PLAN APPROVED BY THE ENVIRONMENTAL QUALITY BOARD.

6) THE CONTRACTOR SHALL DISPOSE ALL WASTE MATERIALS AT AN APPROVED LANDFILL.

7) THE CONTRACTOR SHALL RESTORE PAVED AREAS AS SOON AS POSSIBLE OR AS INSTRUCTED BY THE PROJECT INSPECTOR.

8) ANY MODIFICATION PROPOSAL TO THE CES PLAN SHALL BE CONSULTED WITH THE DESIGNER IN ORDER TO AMMEND THE APPROVED PLAN.

9) CONTRACTOR CAN CHOOSE TO INSTALL DIFFERENT METHODS TO ACHIEVE THE REQUIRED PERFORMANCE.

10) THE CONSTRUCTION VEHICLES TIRES WASHING AREAS SHALL BE PROVIDED WITH WATER IN ORDER TO PERFORM THE TIRES CLEANING.

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GOVERNOR JUAN F. LUIS HOSPITAL
PHASE 1 (T.O.R.) & PHASE 2 (DIALYSIS)
ST. CROIX U.S.V.I.

DATE	REVISIONS	BY
03/28/18	B ADDENDUM No.1	A. MARTINEZ
03/23/18	A ISSUED FOR BID	A. MARTINEZ

Job No.	18031
SCALE	AS SHOWN
DATE	02/20/18
DRAWN BY	A. MUÑOZ
CHECKED BY	A. MARTINEZ

EROSION AND SEDIMENTATION CONTROL PLAN DETAILS
TITLE

C4-90
REVISION No. B

FILE: 18031\C4-90.DWG USER: AMM SEQUENCE: 14 DATE: 03/28/2018

LEGEND:

- (A) 8"ø SANITARY GRAVITY LINE
- (B) 8"ø FIRE PROTECTION LINE
- (C) 3"ø HOT WATER
- (D) 3/4"ø HOT WATER RETURN
- (E) 3"ø COLD WATER
- (F) 1"ø OXYGEN AIR
- (G) 2" VACUUM
- (H) 1"ø MEDICAL AIR
- (I) 4"ø SANITARY GRAVITY LINE
- (J) 6"ø STORM SEWER LINE

(1) OR (2) NODE RELATED TO MAIN BUILDING CONNECTION POINT (REFER TO MECH. S.O.W.)

▲ THRUST BLOCK

P.I.V. POST INDICATOR VALVE

G.V. GATE VALVE

I.V. ISOLATION VALVE (REFER TO MECH. SPECS.)

B

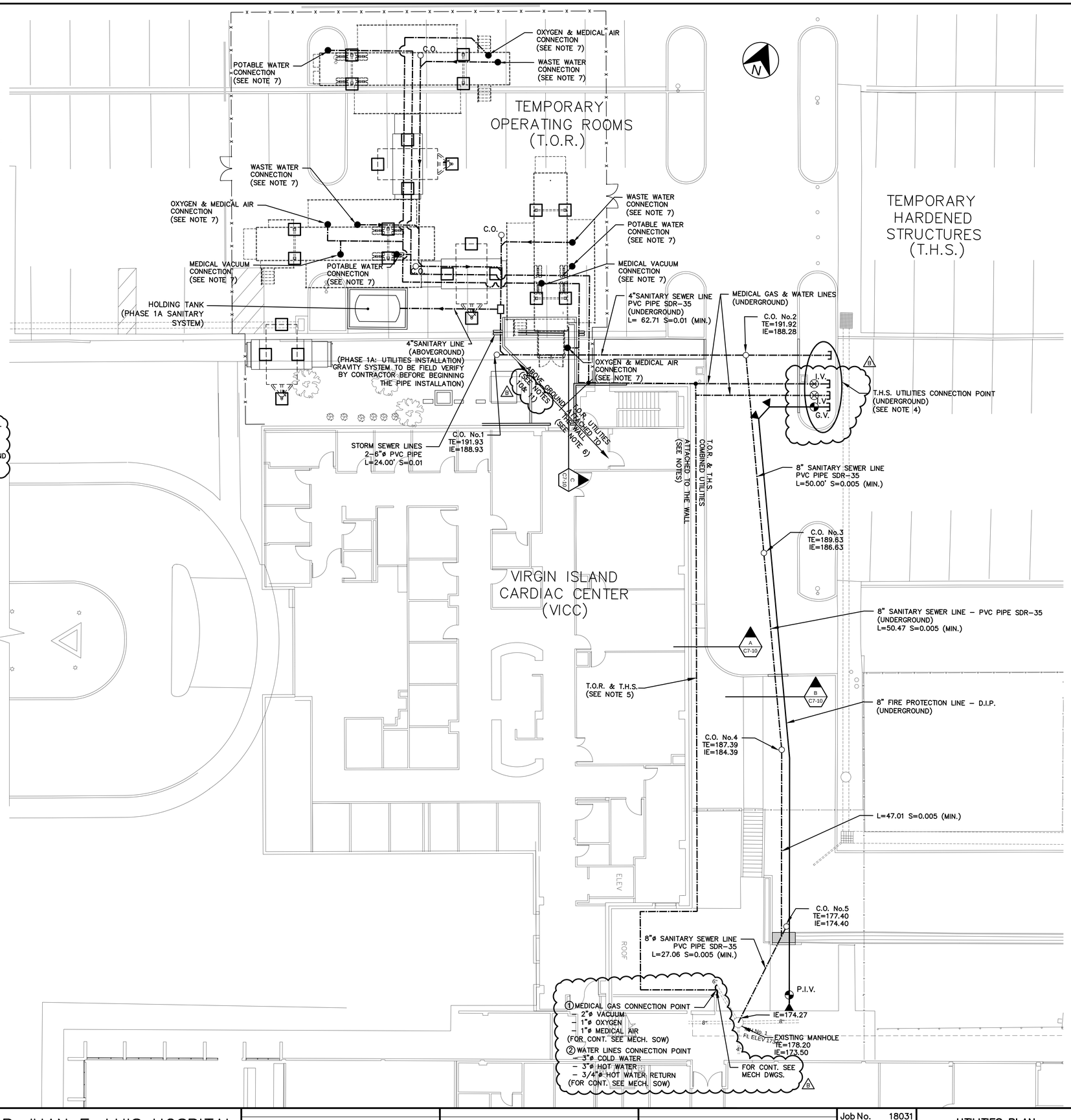
NOTES:

1. NO TOPOGRAPHIC SURVEY IS AVAILABLE.
2. ALL DIMENSIONS ARE APPROXIMATE EXPRESSED IN FEET UNLESS OTHERWISE SPECIFIED.
3. TEMPORARY OPERATING ROOMS (T.O.R.) UTILITIES:
   a. 1.5"ø COLD WATER (POTABLE WATER)
   b. 2" VACUUM
   c. 1"ø OXYGEN AIR
   d. 1"ø MEDICAL AIR
   e. 4"ø SANITARY SEWER LINE
4. TEMPORARY HARDENED STRUCTURES (T.H.S.) UTILITIES:
   a. 3"ø COLD WATER
   b. 3"ø HOT WATER
   c. 3/4"ø HOT WATER RETURN
   d. 8"ø FIRE PROTECTION LINE
   e. 2" VACUUM
   f. 1"ø OXYGEN AIR
   g. 1"ø MEDICAL AIR
   h. 8"ø SANITARY SEWER LINE
5. T.O.R. AND T.H.S. COMBINED UTILITIES ATTACHED TO THE WALL:
   a. 3"ø COLD WATER
   b. 3"ø HOT WATER
   c. 3/4"ø HOT WATER RETURN
   d. 2" VACUUM
   e. 1"ø OXYGEN AIR
   f. 1"ø MEDICAL AIR

PHASE 1A

6. T.O.R. UTILITIES ATTACHED TO THE WALL:
   a. 1.5"ø COLD WATER (POTABLE WATER)
   b. 2" VACUUM
   c. 1"ø OXYGEN AIR
   d. 1"ø MEDICAL AIR
7. ALL UTILITIES CONNECTIONS ARE APPROXIMATE AND SHALL BE FIELD VERIFIED.
8. T,.O.R. ABOVE GROUND UTILITIES EXCEPT (SANITARY LINE) SHALL BE INSTALLED ACCORDING TO DETAIL No. 9 ON DWG. C7-11.
9. PROVIDE PIPE HANGERS FOR THE ABOVE GROUND SANITARY SEWER LINE INSTALLATION. SANITARY SEWER LINE MIN. SLOPE IS 0.005.
10. ISOLATION VALVES SHALL BE PROVIDED TO THE T.O.R. UTILITIES: VACUUM, OXYGEN AND MEDICAL AIR. REFER TO MECH. SPECS.
11. GLOBE VALVES SHALL BE PROVIDED TO THE T.O.R. AND DIALYSIS WATER LINES.

B



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GOVERNOR JUAN F. LUIS HOSPITAL

PHASE 1 (T.O.R.) & PHASE 2 (DIALYSIS)

ST. CROIX U.S.V.I.

DATE	REVISIONS	BY
03/28/18	B ADDENDUM No.1	A. MARTINEZ
03/23/18	A ISSUED FOR BID	A. MARTINEZ

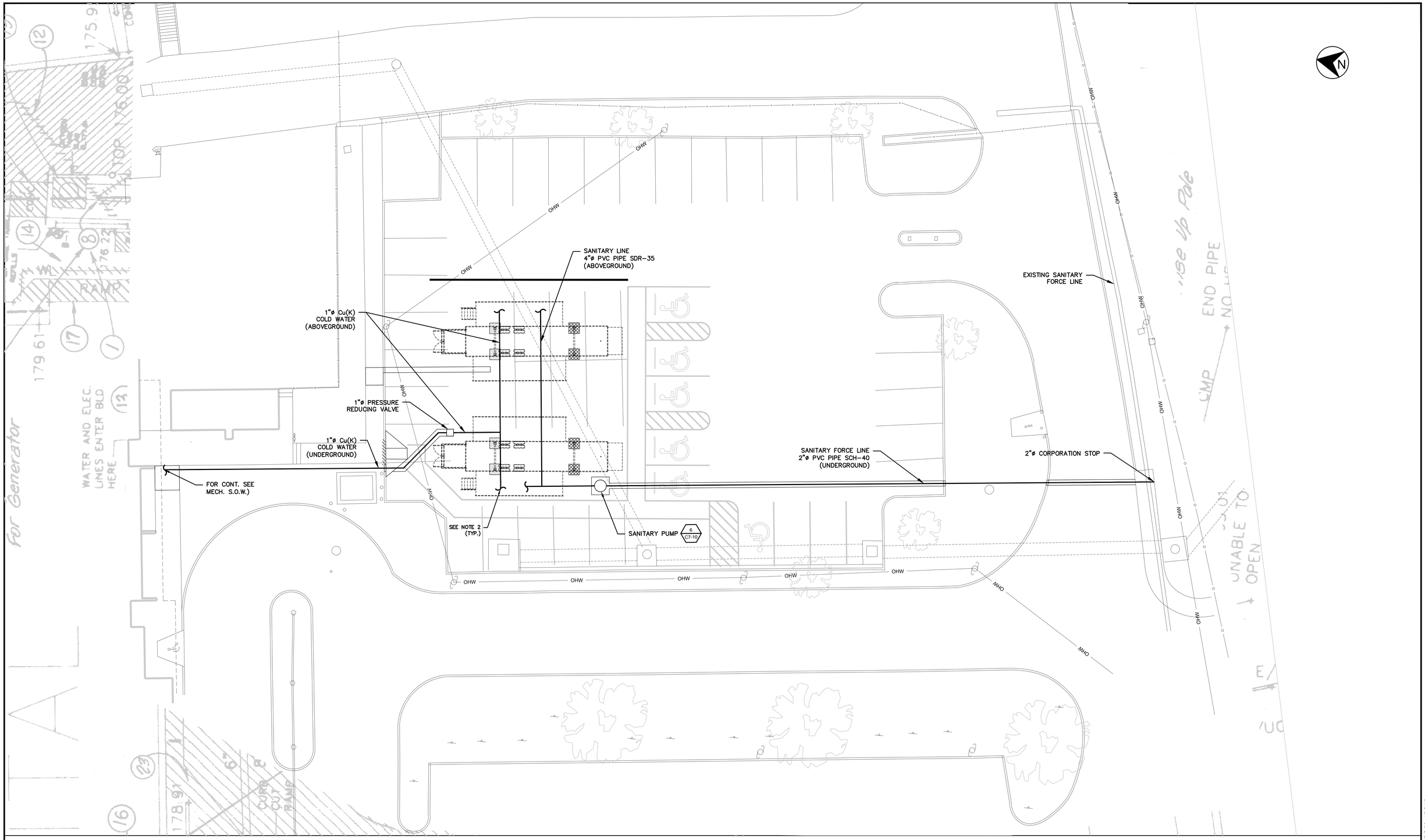
Job No.	18031
SCALE	1"=10'
DATE	02/08/18
DRAWN BY	CAD
CHECKED BY	

UTILITIES PLAN
PHASE 1 (T.O.R.)

C6-10

REVISION No. B

FILE: 18031\C6-10.DWG USER: AMM SEQUENCE: 54 DATE: 03/29/2018



NOTE:

1. SEE LEGEND AND NOTES ON DWG. C6-10.
2. ISOLATION VALVES SHALL BE INSTALLED AT THE END OF THE LINE.

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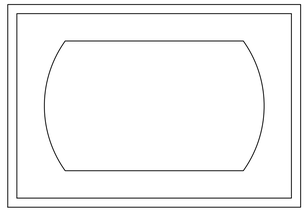
DATE	REVISIONS	BY
02/20/18	A ISSUED FOR BID	A. MARTINEZ

Job No.	18031
SCALE	1"=10'
DATE	02/08/18
DRAWN BY	CAD
CHECKED BY	

UTILITIES PLAN
PHASE 2 (DIALYSIS)
TITLE

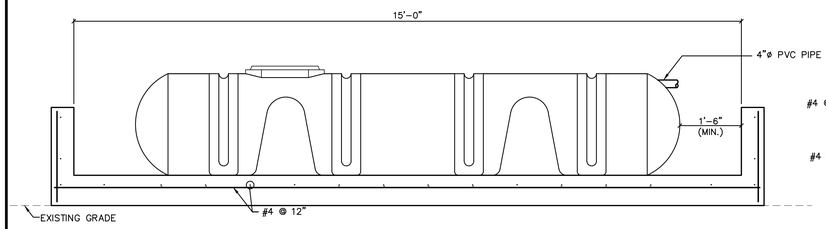
C6-13
REVISION No. A

FILE: 18031\C6-13.DWG
USER: JMM
SEQUENCE: 26
DATE: 03/23/2018

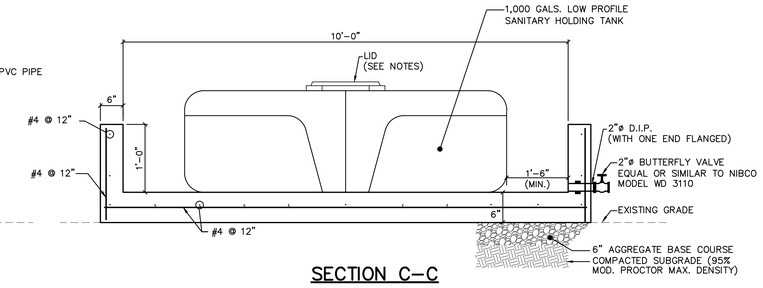


PLAN

NOTES:
1. STRAPS AND ANCHOR BOLTS AS PER MANUFACTURER'S RECOMMENDATION
2. TANK WILL BE EMPTIED BY OPENING THE LID AND INSERTING TRUCK SUCTION HOSE.
3. TANK ALERT XT ALARM SYSTEM PART # 1004442

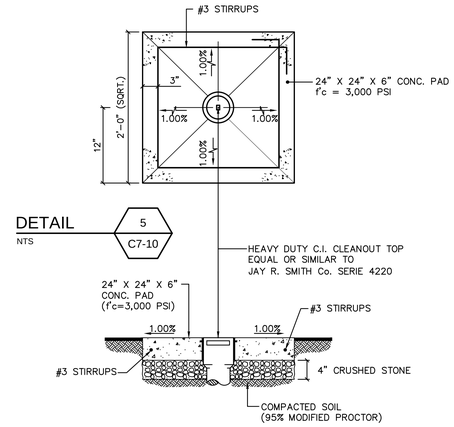


SECTION B–B



SECTION C–C

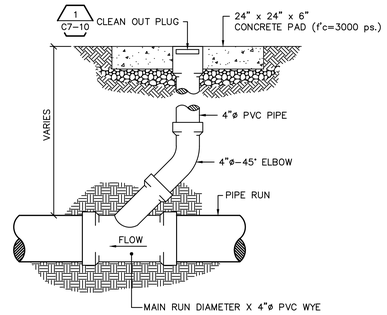
HOLDING TANK DETAIL (4 / C7-10)
NTS



DETAIL (5 / C7-10)
NTS

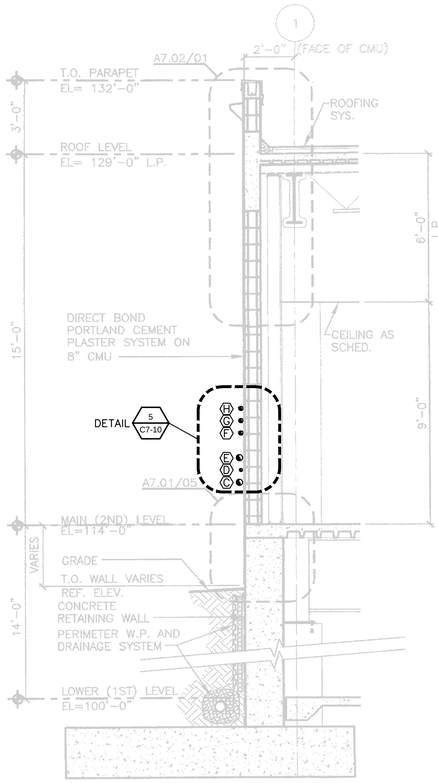
CLEAN OUT TOP DETAIL FOR HEAVY LOAD TRAFFIC LOCATIONS (1 / C7-10)

NOT TO SCALE



RUN CLEAN OUT DETAIL (2 / C7-10)

NOT TO SCALE

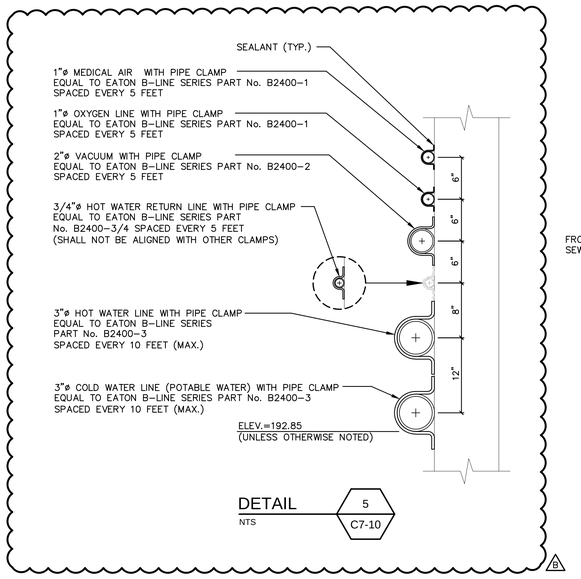


SECTION (A / C7-10)

NTS

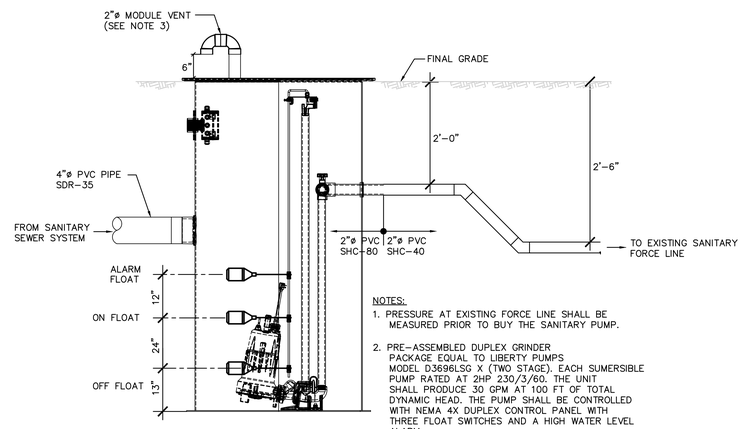
LEGEND:
- (A) 8"ø SANITARY GRAVITY LINE
- (B) 8"ø FIRE PROTECTION LINE
- (C) 3"ø HOT WATER
- (D) 3/4"ø HOT WATER RETURN
- (E) 3"ø COLD WATER
- (F) 1"ø OXYGEN AIR
- (G) 2" VACUUM
- (H) 1"ø MEDICAL AIR
- (I) 4"ø SANITARY GRAVITY LINE
- (J) 6"ø STORM SEWER LINE

NOTES:
1. FOR UTILITIES PLANS REFER TO DWGS. C6–10 AND C6–13.



DETAIL (5 / C7-10)

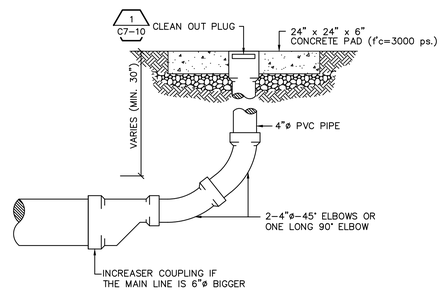
NTS



NOTES:
1. PRESSURE AT EXISTING FORCE LINE SHALL BE MEASURED PRIOR TO BUY THE SANITARY PUMP.
2. PRE–ASSEMBLED DUPLEX GRINDER PACKAGE EQUAL TO LIBERTY PUMPS MODEL D3696LSG X (TWO STAGE). EACH SUMERSIBLE PUMP RATED AT 2HP 230/3/60. THE UNIT SHALL PRODUCE 30 GPM AT 100 FT OF TOTAL DYNAMIC HEAD. THE PUMP SHALL BE CONTROLLED WITH NEMA 4X DUPLEX CONTROL PANEL WITH THREE FLOAT SWITCHES AND A HIGH WATER LEVEL ALARM.
3. PROVIDE S.S. 316 INSECT SCREEN. OPENNING FOR VENT CONNECTION SHALL BE FIELD COORDINATED AND PERFECTLY SEALED AFTER VENT INSTALLATION.

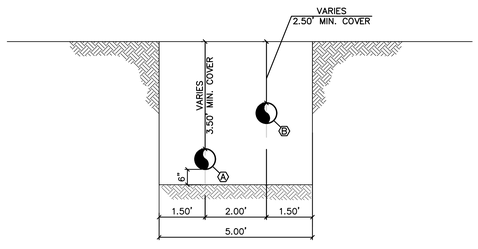
SANITARY PUMP DETAIL (6 / C7-10)

NTS



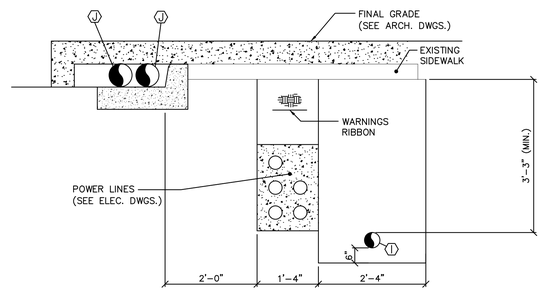
END CLEAN OUT DETAIL (3 / C7-10)

NOT TO SCALE



SECTION (B / C7-10)

NTS



SECTION (C / C7-10)

NTS

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PHASE 1 (T.O.R.) & PHASE 2 (DIALYSIS)
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DATE	REVISIONS	BY
03/28/18	B ADDENDUM No.1	A. MARTINEZ
03/23/18	A ISSUED FOR BID	A. MARTINEZ

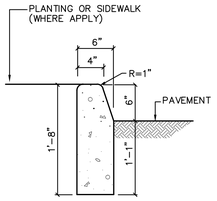
Job No.	18031
SCALE	AS SHOWN
DATE	01/15/18
DRAWN BY	CAD
CHECKED BY	

TYPICAL SECTIONS AND DETAILS

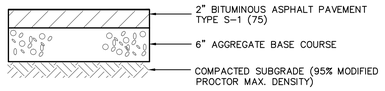
C7–10

REVISION No. B

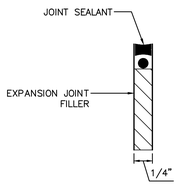
FILE: 18031\C7-10.DWG USER: AMM SEQUENCE: 28 DATE: 03/28/2018



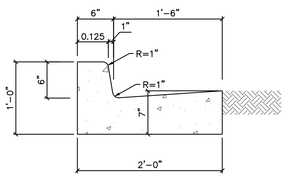
CONCRETE CURB DETAIL (1 / C7-11)
NTS



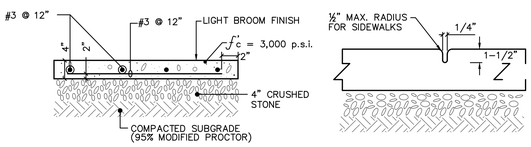
ASPHALT PAVEMENT DETAIL (2 / C7-11)
NTS



EXPANSION JOINT (3 / C7-11)
NTS

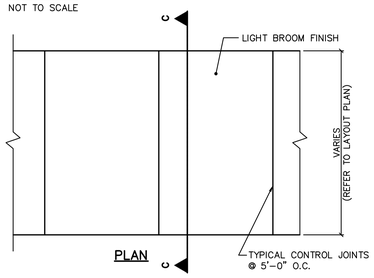


CURB AND GUTTER DETAIL (4 / C7-11)
SCALE:



SECTION C
NOT TO SCALE

CONTROL JOINT

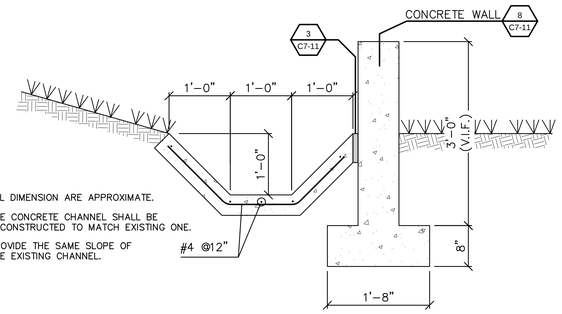


PLAN

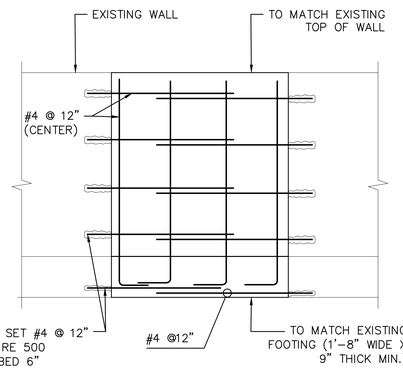
NOTES:
1. WHERE SIDEWALK ABUTS EXISTING OR PROPOSED FIXED OBJECTS (CURBS, CURB AND GUTTERS, CONCRETE PAVING, MANHOLES, OR BUILDINGS), INSTALL 1/4" EXPANSION JOINT FILLER AND JOINT SEALANT.
2. SIDEWALK TRANSVERSE SLOPE SHALL BE 2% TO PROVIDE DRAINAGE UNLESS OTHERWISE SPECIFIED ON GRADING PLANS.

CONCRETE SIDEWALK DETAIL (5 / C7-11)
NTS

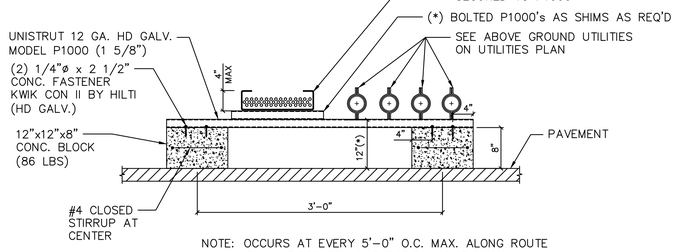
NOTES:
1. ALL DIMENSION ARE APPROXIMATE.
2. THE CONCRETE CHANNEL SHALL BE RECONSTRUCTED TO MATCH EXISTING ONE.
3. PROVIDE THE SAME SLOPE OF THE EXISTING CHANNEL.



CONCRETE CHANNEL (7 / C7-11)
SCALE: 1"=1'-0"

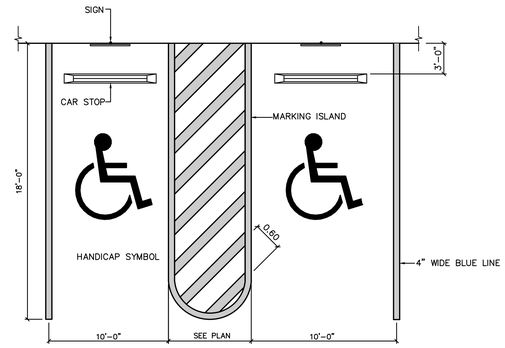


CONCRETE WALL DETAIL (8 / C7-11)
SCALE: 1"=1'-0"

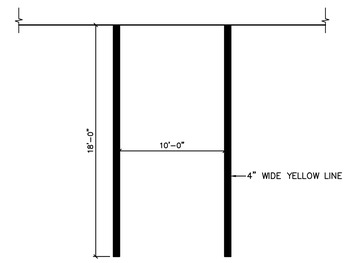


NOTE: OCCURS AT EVERY 5'-0" O.C. MAX. ALONG ROUTE
(F'c = 3,000 PSI, W/C RATIO = 0.45 MAX.)

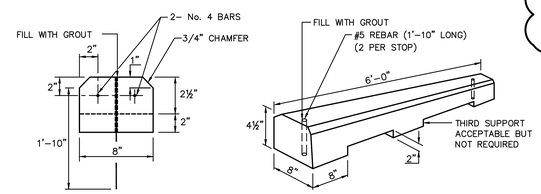
TYPICAL ABOVE GROUND UTILITIES SUPPORT DETAIL (9 / C7-11)
SCALE: 1"=1'-0"



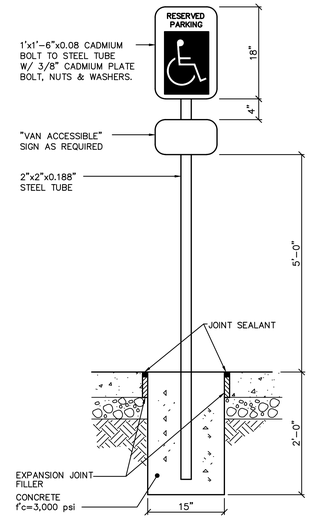
HANDICAP PARKING SPACE DETAIL (10 / C7-11)
SCALE: NO TO SCALE



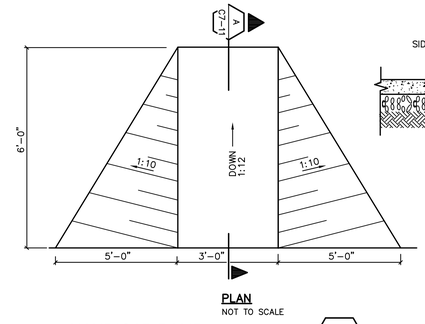
STANDARD PARKING SPACE DETAIL (11 / C7-11)
NTS



CONCRETE WHEEL STOP DETAIL (12 / C7-11)
NTS

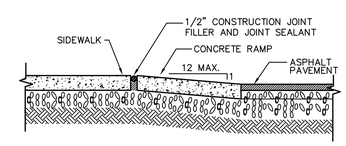


HANDICAP PARKING SIGN (13 / C7-11)
NTS

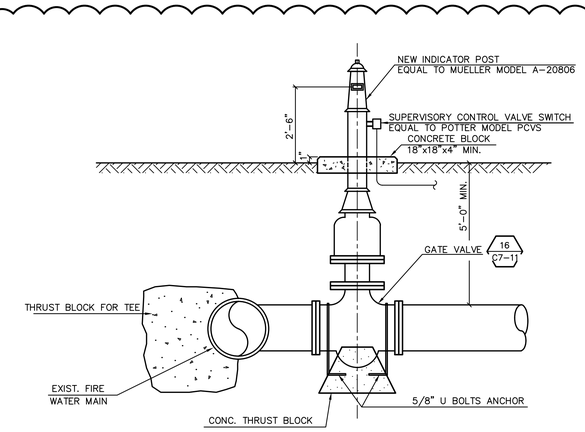


PLAN
NOT TO SCALE

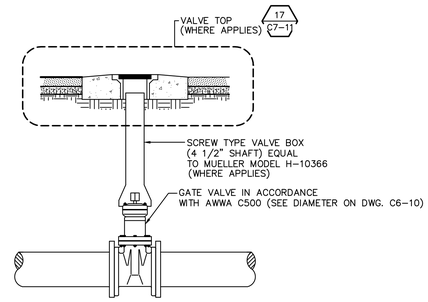
HANDICAP RAMP (14 / C7-11)
NTS



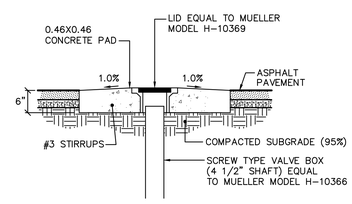
SECTION A (A / C7-11)
NOT TO SCALE



DETAIL OF NEW POST INDICATOR VALVE DETAIL (15 / C7-11)
NTS



GATE VALVE DETAIL (16 / C7-11)
NTS



SECTION A–A
SCALE: NTS

GATE VALVE TOP DETAIL (16 / C7-11)
NTS

B

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GOVERNOR JUAN F. LUIS HOSPITAL
PHASE 1 (T.O.R.) & PHASE 2 (DIALYSIS)
ST. CROIX U.S.V.I.

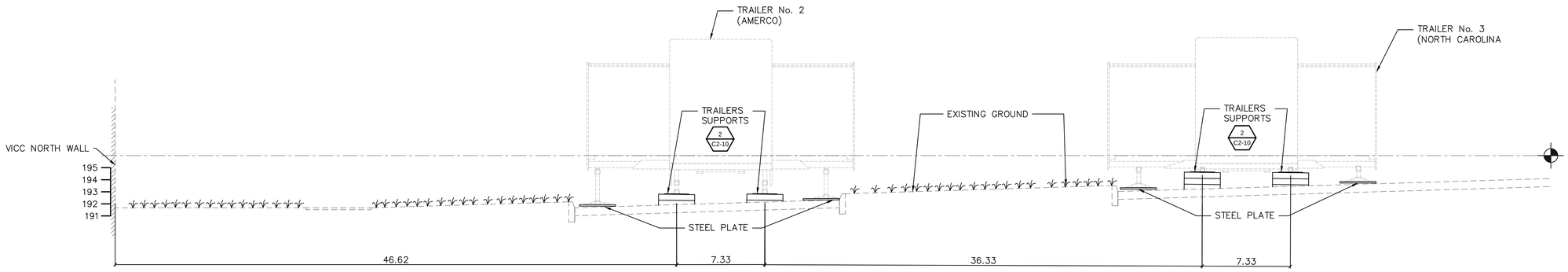
DATE	REVISIONS	BY
03/28/18	B ADDENDUM No.1	A. MARTINEZ
03/23/18	A ISSUED FOR BID	A. MARTINEZ

Job No.	18031
SCALE	AS SHOWN
DATE	01/15/18
DRAWN BY	CAD
CHECKED BY	

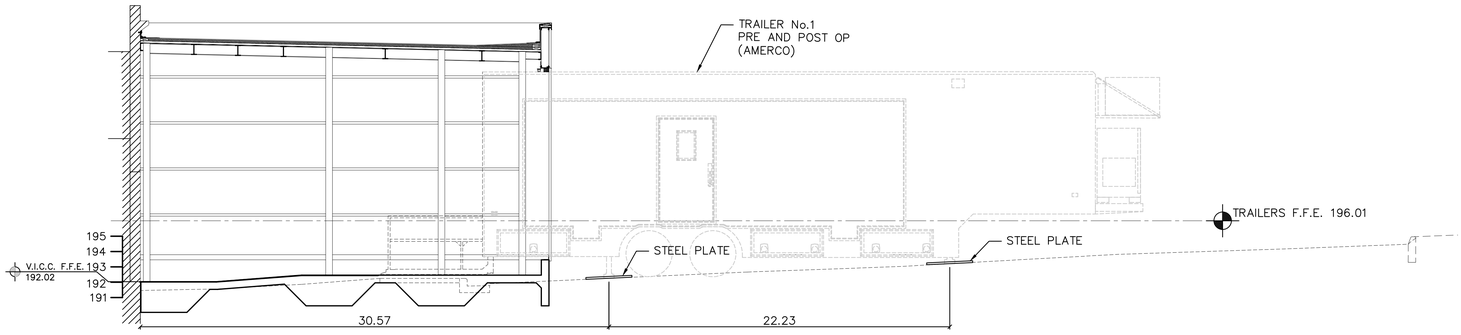
TYPICAL SECTIONS AND DETAILS
TITLE

C7–11
REVISION No. B

FILE: 18031\C7-11.DWG USER: AMM SEQUENCE: 19 DATE: 03/28/2018



SECTION 1 / C7-12
SCALE: 1"=4'



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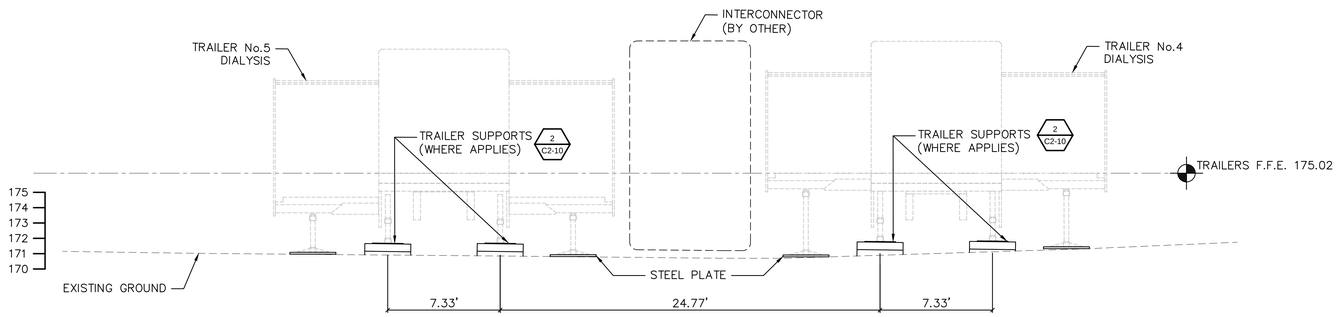

SECTION 3 / C7-12
SCALE: 1"=4'

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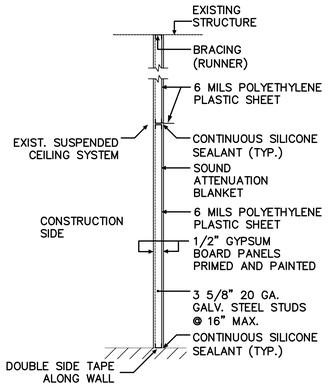
TYPICAL SECTIONS AND DETAILS
TITLE

C7–12
REVISION No. A

FILE: 18031\C7-12.DWG USER: AMM SEQUENCE: 30 DATE: 03/27/2018



01 TEMP. DUST TIGHT CONST. PARTITION*
D30101 SCALE: 1/2"=1'-0"

NOTES:

1. THIS DETAIL IS A RECOMMENDATION TEMPORARY PARTITION ARE PART OF THE MEANS AND METHOD OF THE CONTRACTOR. THE INTENT IS TO HAVE DUST TIGHT PARTITION THAT CAN CONTROL SOME OF THE NOISE GENERATED BY THE CONSTRUCTION AS WELL AS MAINTAINING THE INDOOR AIR QUALITY OF THE HOSPITAL.
2. CONTRACTOR SHALL COORDINATE WITH OWNER ACCESS DOOR(S) AND SUBSEQUENT REMOVAL OF PARTITION & ACCESS DOOR(S) PRIOR SUBSTANTIAL COMPLETION OF THE PROJECT.
3. HOSPITAL SIDE SHALL BE PRIMED AND PAINTED COLOR TO MATCH NEIGHBORING WALLS.

LEGEND

DRAWING SYMBOLS

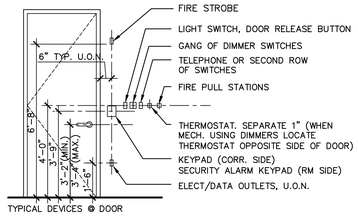
- COLUMN CENTERLINE
- ROOM NAME 000 — DENOTES ROOM NAME & ROOM NUMBERS
- NUM — DENOTES DOOR NUMBERS
- 100 — DENOTES WINDOW TYPE
- A A3-01 — BUILDING SECTION
- 1 A3-11 — WALL SECTION CALL OUT
- A A5-01 — SECTION DETAIL CALL OUT
- NUM NUM — DETAIL CALL OUT
- A A2-01 — ELEVATION
- T L LIGHT NO. R B — MULTIPLE INTERIOR ELEVATIONS CALL OUT
- NO. — DENOTES WALL TYPES
- 1 — CALL OUT TO REFERENCE NOTES
- 10 — CALL OUT TO DEMOLITION NOTES
- 01 A5-01 — PLAN BLOW-UP DETAIL
- 01 — SINGLE INTERIOR ELEVATION CALLOUT
- LEVEL 103'-0" — DENOTES ELEVATION MARKER
- MATCH LINE MARKER
- 0 — REVISION INDICATOR
- RL — RAIN LEADER
- VTR — VENT THRU ROOF
- RD — ROOF DRAIN
- FD — FLOOR DRAIN
- CO — CLEAN OUT
- VP — VENT PIPE
- FHC — FIRE HOSE CABINET
- CG — CORNER GUARD
- FE — RECESSED FIRE EXTINGUISHER
- F.E. — SURFACE MTD. FIRE EXTINGUISHER
- FHC — FIRE HOSE + EXTINGUISHER CABINET
- PROJECT LIMIT
- X — X — WIRE MESH PARTITION

- 1 HOUR FIRE RATED WALL
- 2 HOUR FIRE RATED WALL
- 3 HOUR FIRE RATED WALL
- SMOKE BARRIER
- PATH OF EXIT TRAVEL
- (000'TD)—TRAVEL DISTANCE
- CHANGE OF FLOOR FINISH
- SLOPE
- CURB
- FLOOR HEIGHT DIFFERENCE
- CURB ON SLAB
- CAMERA
- HANDICAPPED SYMBOL
- PB — PUSH BUTTON
- CR — CARD READER
- ER — EXIT RELEASE
- INT — INTERCOM
- PANEL — SERVICE PANEL
- ES — EMERGENCY SHOWER STATION
- FFE — FINISH LEVEL ELEVATION

MATERIALS

- CONCRETE
- SHADE COLOR DENOTES EXISTING WALL CONDITION
- EARTH
- PLYWOOD
- STEEL
- FIBERGLASS BATT INSULATION
- WELDED WIRE MESH, WELDED WIRE FABRIC
- CHAIN LINK FENCE
- CMU MASONRY WALL
- GYPSUM BOARD WALL
- GYPSUM BOARD FURRING
- METAL SIDING

TYPICAL MOUNTING DIAGRAMS



TYPICAL DEVICES @ DOOR

DRAWING ABBREVIATIONS

A
A.F.F — ABOVE FINISH FLOOR
A.P. — ACCESS PANEL
ACT. — ACOUSTICAL CLNG.TILE
ADD — ADDENDUM
ADJ. — ADJACENT
ALUM. — ALUMINUM
ALT. — ALTERNATE
ANOD. — ANODIZED
APPROX. — APPROXIMATELY
AV. — AUDIO VISUAL
AVG. — AVERAGE
< — ANGLE
@ — AT

B
BD. — BOARD
BLKG — BLOCKING
BLDG. — BUILDING
BOT. — BOTTOM

C
CAB. — CABINET
CPT. — CARPET TILE
C.I.P. — CAST IN PLACE
CLG. — CEILING
C.T. — CERAMIC TILE
C.T.B. — CERAMIC TILE BASE
CTR. — CENTER
C.O. — CLEANOUT
CG — CORNER GUARD
COORD. — COORDINATE
CL. — CLOSET
COL. — COLUMN
CONC. — CONCRETE
C.M.U. — CONCRETE MASONRY UNIT
COMM. — COMMUNICATION
CONST. — CONSTRUCTION
CONT. — CONTINUOUS
C.J. — CONTROL JOINT
℄ — CENTER LINE

D
DET. — DETAIL
DIA. — DIAMETER
DIFF. — DIFFUSER
DIM. — DIMENSION
DN. — DOWN
DR. — DRAIN
DS — DOWN SPOUT
DWG. (S) — DRAWING (S)
ø — DIAMETER

E
EA. — EACH
E.W.C. — ELECTRIC WATER COOLER
E.P. — ELECTRICAL PANEL
ELEV — ELEVATION
E.P. — EPOXY PAINT
EQ. — EQUAL
EQUIP. — EQUIPMENT
ELEC. — ELECTRICAL
EXIST. — EXISTING
EXP. — EXPANSION
EXP. JT. — EXPANSION JOINT
EXPO. — EXPOSED
EXT — EXTERIOR

F
F — FEMALE
F.D. — FLOOR DRAIN
F.E. — FIRE EXTINGUISHER
F.E.C. — FIRE EXTINGUISHER CABINET
F.F. — FINISH FLOOR
F.G — FINISH GRADE
F.H.C. — FIRE HOSE CABINET
FIN. — FINISH
FL. — FLOOR
FR. — FRAME
FT. — FEET
FTG. — FOOTING
FV — FIELD VERIFY

G
GALV. — GALVANIZED
GA. — GAUGE
G.C. — GENERAL CONTRACTOR
GEN — GENERAL
GL. — GLASS
GND — GROUND
GR — GRADE
GRG — GLASS-REINFORCED GYPSUM
GYP BD — GYPSUM BOARD

H
HVAC. — HEATING, VENTILATING & AIR
HT. — HEIGHT
H.D. — HUB DRAIN
HDW — HARDWARE
H.P. — HIGH POINT
H.M. — HOLLOW METAL
HORIZ. — HORIZONTAL
H.B. — HOSE BIB
HR — HOUR

I
IBC — INTERNATIONAL BUILDING CODE
ID — INSIDE DIAMETER
IN. — INCHES
I.E. — INSECT ELECTROCUTOR
INSUL. — INSULATIONS, INSULATING, INSULATED
INT — INTERIOR

J
J.C. — JANITOR CLOSET
JT. — JOINT

K
KO. — KNOCK-OUT
KP — KICKPLATE
KPD — KEYPAD

L
L — ANGLE
LAV. — LAVATORY
LB. (S) — POUND (S)
LFH — LAMINAR FLOW HOOD
LG — LONG
LH — LEFT HAND
LHR — LEFT HAND REVERSE
LOC — LOCATION
L.P. — LOW POINT
LT — LIGHT
LWC — LIGHTWEIGHT CONCRETE

M
M — MALE
MAS — MASONRY
MATL — MATERIAL
MAX. — MAXIMUM
MECH. — MECHANICAL
MEMB — MEMBRANE
MEP — MECHANICAL, ELECTRICAL AND PLUMBING
M.H. — MANHOLE
MFG — MANUFACTURE
M.L. — MATCH LINE
M.O. — MASONRY OPENING
M.C. — MECHANICAL CONTRACTOR
M.P. — METAL PANEL
MIN. — MINIMUM
MISC. — MISCELLANEOUS
MOD BIT — MODIFIED BITUMEN
MOD — MODIFIED
MTL — METAL

N
NA — NOT AVAILABLE
NOM. — NOMINAL
N.I.C. — NOT IN CONTRACT
NTS. — NOT TO SCALE
NO. — NUMBER
N. — NORTH

O
O.C. — ON CENTER
OFCI — OWNER FURNISHED, CONTRACTOR INSTALLED
OFOI — OWNER FURNISHED, OWNER INSTALLED
OPNG. — OPENING
OPP. — OPPOSITE
O.H. — OVERHEAD
O.D. — OUTSIDE DIAMETER
O.A. — OVERALL

P
P LAM — PLASTIC LAMINATE
PT. — POINT
PTD — PAINTED
PART. — PARTITION
PLAS. — PLASTER
PL. — PLATE
PL. — PROPERTY LINE
PLUMB — PLUMBING
PLYWD — PLYWOOD
POL — POLISHED
PORT CEM — PORTLAND CEMENT
PREFAB — PREFABRICATED
PC. — PRECAST CONCRETE
PCP — PORTLAND CEMENT PLASTER
PSF. — POUNDS PER SQUARE FOOT
PSI. — POUND PER SQUARE INCH

Q
QTY. — QUANTITY
QT. — QUARRY TILE

R
RISER — RADIUS
R — RADIUS
RB — RUBBER BASE
RCP — REFLECTED CEILING PLAN
REBAR — REINFORCING BAR
RECP — RECEPTACLE
REF — REFER OR REFERENCE
REFL. — REFLECTED
REINF. — REINFORCE (ING)
REQD. — REQUIRED
R.A.G. — RETURN AIR GRILLE
REV. — REVISION
RH. — RIGHT HAND
RHR. — RIGHT HAND REVERSE
RO. — ROUGH OPENING
R.D. — ROOF DRAIN
ROW. — RIGHT OF WAY
RM. — ROOM

S
SAB — SOUND ATTENUATION BLANKET
SCHED — SCHEDULE
SECT — SECTION
SHT — SHEET
SHWR — SHOWER
SIM. — SIMILAR
STC. — SOUND TRANSMISSION CLASS
SPEC. (S) — SPECIFICATION (S)
SQ — SQUARE
S.F. — SQUARE FOOT
S.S. — STAINLESS STEEL
SSF — SOLID SURFACE
STA — STATION
STD — STANDARD
STL. — STEEL
STRUC — STRUCTURAL
STOR. — STORAGE
SUSP. — SUSPENDED
SYM — SYMMETRICAL
SYS — SYSTEM

T
TEL. — TELEPHONE
TEMP. — TEMPORARY
THK. — THICK
TLT — TOILET
T.O.B — TOP OF BEAM
T.O.C. — TOP OF CURB
T.O.F. — TOP OF FOOTING
T.O.J. — TOP OF JOIST
T.O.M. — TOP OF MULLION
T.O.P. — TOP OF PARAPET
T.O.S. — TOP OF STEEL
TW — TOP OF WALL
TYP. — TYPICAL
T&G — TONGUE AND GROOVE

U
U/C — UNDER COUNTER
U/G — UNDERGROUND
UNO — UNLESS NOTED OTHERWISE

V
VAR — VARIES
VOL. — VOLUME
VERT. — VERTICAL
VEST. — VESTIBULE
V.C.T. — VINYL COMPOSITION TILE
V.C.B. — VINYL COVE BASE
V.I.F. — VERIFY IN FIELD
W.C. — WATER CLOSET
W.F. — WIDE FLANGE
WT. — WEIGHT
W. — WIDE/WIDTH
WD. — WOOD
W/ — WITH
W/O — WITHOUT

GENERAL NOTES

1. PERFORM WORK IN ACCORDANCE WITH ALL APPLICABLE LOCAL CODES AND REGULATORY REQUIREMENTS.
2. PRIOR TO START OF WORK, EXAMINE AND VERIFY ALL CONDITIONS AND DIMENSIONS IN THE FIELD, AND NOTIFY THE ARCHITECT IMMEDIATELY OF ANY DISCREPANCY.
3. NOTIFY THE ARCHITECT IN WRITING OF ANY UNEXPECTED CONDITIONS THAT ARE UNCOVERED.
4. COORDINATE THE WORK OF ALL TRADES TO PROVIDE FOR THE PROPER EXECUTION OF THE CONTRACT.
5. KEEP THE PREMISES NEAT AND CLEAN AT ALL TIMES.
6. PROTECT ALL AREAS OUTSIDE THE CONTRACT LIMIT SPECIALLY THOSE THROUGH WHICH MATERIALS MUST PASS. TO PREVENT DAMAGE RESULTING FROM CONSTRUCTION OR MATERIALS' HANDLING. RESTORE TO EXISTING CONSTRUCTION ORIGINAL CONDITION IF/WHEN DISTURBED.
7. WHEN "APPROVED EQUAL", "EQUAL TO", OR OTHER GENERAL QUALIFYING TERMS ARE USED, INTERPRET AS" TO BE "REVIEWED BY THE ARCHITECT.
8. FOLLOW THE MANUFACTURERS' STRICTEST WRITTEN RECOMMENDATIONS FOR HANDLING, INSTALLATION, AND /CR APPLICATION OF ALL MATERIALS AND /OR PRODUCTS CONSISTENT WITH THE SKILL AND CARE NECESSARY FOR THE ORDERLY PROGRESS OF WORK.
9. DO NOT SCALE DRAWINGS, WRITTEN DIMENSIONS GOVERN. LARGE SCALE DRAWINGS GOVERN SMALL SCALE DRAWINGS.
10. SHOP DRAWINGS:
    A. SUBMIT A SCHEDULE OF SHOP DRAWINGS PRIOR TO COMMENCING WORK.
    B. SUBMIT SHOP DRAWINGS FOR ARCHITECT REVISION WHERE REQUIRED BY PLANS AND SPECIFICATIONS, WITH TIME TO REVIEW AND APPROVE, AS INDICATED IN THE SPECIFICATIONS.
    C. ALL SHOP DRAWINGS, INCLUDING EQUIPMENT AND MATERIALS, SHALL BE REVIEWED AND APPROVED BY THE ARCHITECT PRIOR TO ORDERING OR FABRICATION.
11. ALL FLOOR ELEVATIONS ARE GIVEN TO TOP OF CONC. SLAB (TOC), TOP OF WALL (TOW) OR TOP OF FINISH FLOOR (FFE), AS INDICATED.
12. SUBMIT MANUFACTURERS LITERATURE AND SAMPLES OF FINISHES FOR APPROVAL BY THE ARCHITECT PRIOR TO ORDERING OR FABRICATION. ALL FINISHES TO BE APPROVED BY THE ARCHITECT.
13. PERFORM ALL WORK IN A WORKMANLIKE MANNER.
14. REPAIR ALL CRACKS AND PATCH ALL IMPERFECTIONS WITH SMOOTH CEMENT PLASTER AT ALL INTERIOR CEMENT PLASTER WALLS, CEILING AND OVERHANGS.
15. INFORMATION OR SERVICES REQUIRED OF THE OWNER BY THE CONTRACT DOCUMENTS SHALL BE FURNISHED BY THE OWNER WITH REASONABLE PROMPTNESS. ANY OTHER INFORMATION OR SERVICES RELEVANT TO THE CONTRACTOR'S PERFORMANCE OF THE WORK UNDER THE OWNER'S CONTROL SHALL BE FURNISHED BY THE OWNER AFTER RECEIPT FROM THE CONTRACTOR OF A WRITTEN REQUEST FOR SUCH INFORMATION.
16. THE CONTRACTOR MAY MAKE SUBSTITUTIONS ONLY WITH THE CONSENT OF THE OWNER, AFTER THE EVALUATION OF THE ARCHITECT.
17. THE CONTRACTOR, PROMPTLY AFTER BEING AWARDED THE CONTRACT, SHALL PREPARE AND SUBMIT FOR THE OWNER'S AND ARCHITECT'S INFORMATION A CONTRACTOR'S CONSTRUCTION SCHEDULE FOR THE WORK. THIS SCHEDULE SHALL BE REVISED AT PROPER INTERVALS.
18. THE CONTRACTOR SHALL MAINTAIN AT THE SITE FOR THE OWNER AND ARCHITECT A RECORD COPY OF THE DRAWINGS, MODIFICATIONS, CHANGE ORDERS, APPROVED SHOP DRAWINGS, SAMPLES AND REVISIONS, IN GOOD ORDER AND MARKED CURRENTLY TO RECORD FIELD CHANGES AND SELECTIONS MADE DURING CONSTRUCTION.
19. THE ARCHITECT WILL HAVE AUTHORITY TO REJECT WORK THAT DOES NOT CONFORM TO THE CONTRACT DOCUMENTS.
20. WHEN THE CONTRACTOR HAS ANY DOUBT REGARDING INFORMATION IN THE CONTRACT DOCUMENTS, HE SHALL SUBMIT IN WRITING A REQUEST FOR INFORMATION (RFI) TO THE ARCHITECT. THE ARCHITECT WILL ANSWER ALL RFI WITHIN A REASONABLE TIME. THE CONTRACTOR SHOULD CONTINUE WORK IN OTHER AREAS OF THE PROJECT AND IS NOT ENTITLED TO ADDITIONAL COMPENSATION OR TIME UNLESS A CHANGE ORDER IS ISSUED.
21. THE CONTRACTOR MAY SUBMIT ALTERNATIVE METHODS OF CONSTRUCTION TO THE ARCHITECT FOR EVALUATION. ANY DEVIATION FROM THE CONTRACT DOCUMENTS MUST BE APPROVED BY THE ARCHITECT.
22. ALL PENETRATIONS THRU FIRE RATED WALLS MUST BE SEALED WITH AN APPROVED SYSTEM. CONTRACTOR SHALL PROVIDE DOCUMENTATION OF UL APPROVED SYSTEMS USED.
23. ALL DOORS AT FIRE RATED WALLS SHALL BE RATED FOR 3/4 THE RATING OF THE WALL. ALL FIRED RATED DOORS SHALL BE PROVIDED WITH THE APPROPRIATE LABELS.
24. PROVIDE POWER SUPPLY CONTROL UNIT AND ALL MISCELLANEOUS EQUIPMENT/COMPONENTS FOR A COMPLETE OPERATING SYSTEM FOR DOORS WITH CARDREADERS, ELECTRIC STRIKES, ELECTRIC LOCKSETS, PNEUMATIC OPERATORS AND MOTORS.

SHEET NAME FORMAT

A2 - 02

- DISCIPLINE (A=ARCH.) (E= ELEC.) (H=MECH.)
- DRAWING TYPE
  1 = PLANS
  2 = ELEVATIONS
  3 = SECTIONS
  4 = ENLARGED
  5 = DETAILS
  6 = SCHEDULES
  7 = LIFE SAFETY
- PAGE NUMBER

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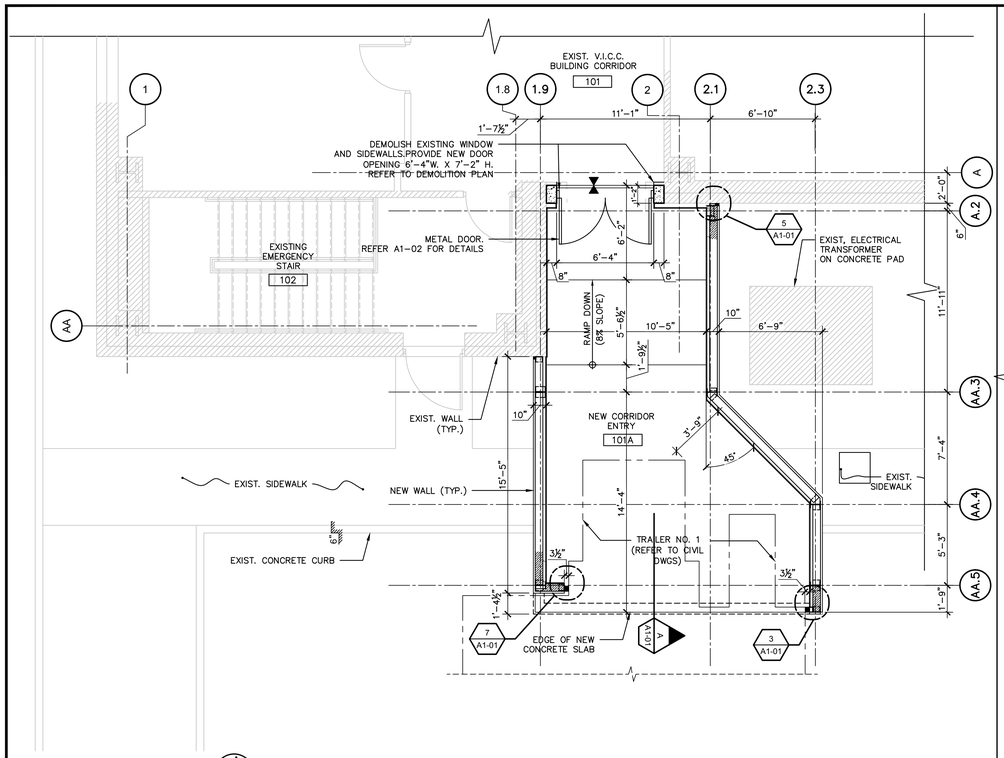
Job No.	18031
SCALE	AS SHOWN
DATE	3/20/18
DRAWN BY	CAD
CHECKED BY	Y.DOITTEAU

ARCHITECTURAL GENERAL NOTES, ABBREVIATIONS & SYMBOLS
TITLE

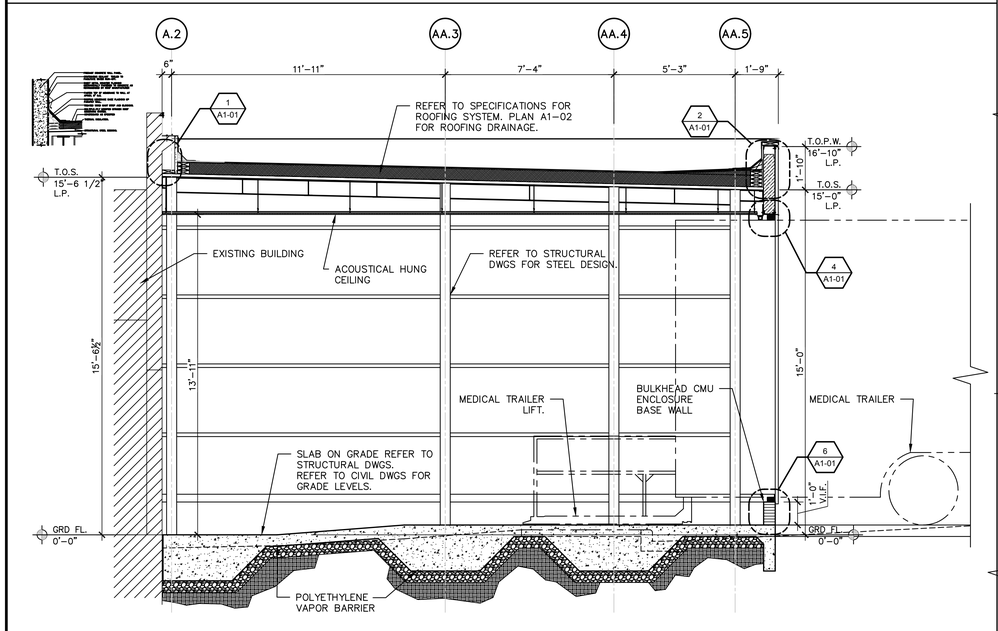
A0-01
REVISION No. A

DATE: 03/23/2018 SEQUENCE: 19 USER: YDOITTEAU FILE: 18031\A0-01.DWG



PARTIAL PLAN @ NEW CORRIDOR ENTRY

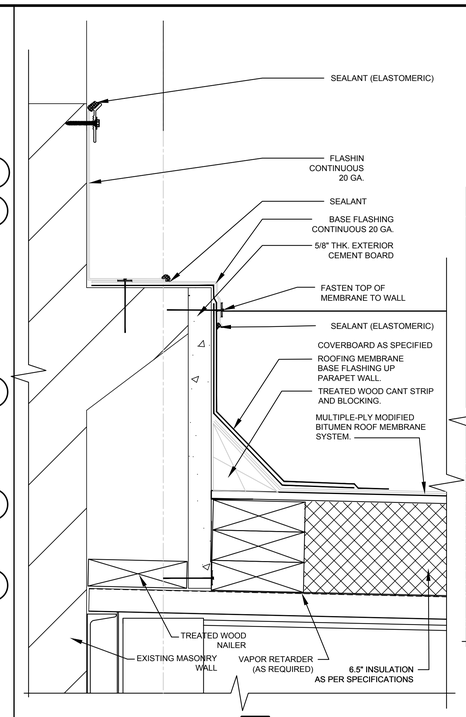
SCALE: 1/4" = 1'-0"



BUILDING SECTION

SCALE: 3/8"=1'-0"

UNLESS OTHERWISE NOTED ALL WORK IS PART OF PHASE 1A



SECTION DETAIL 1 / A1-01

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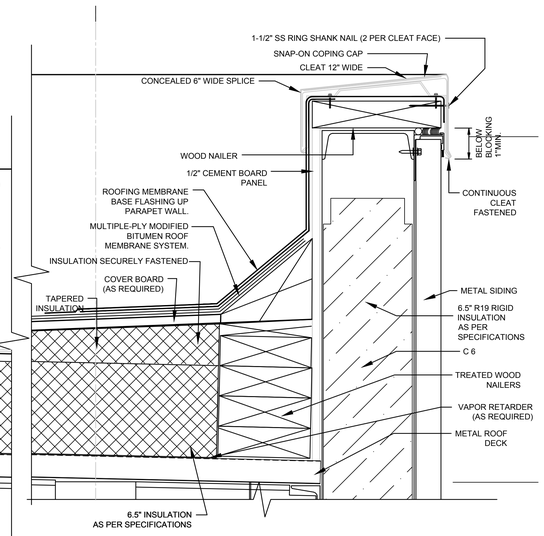

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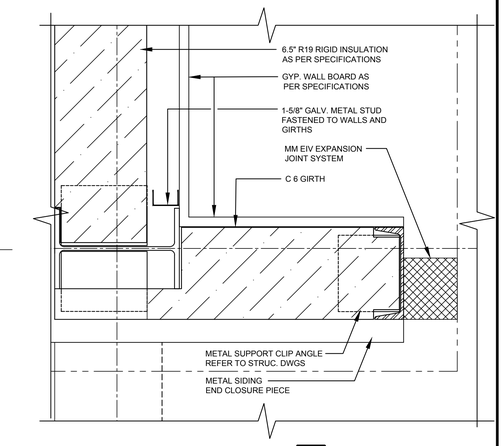

PLAN DETAIL 7 / A1-01

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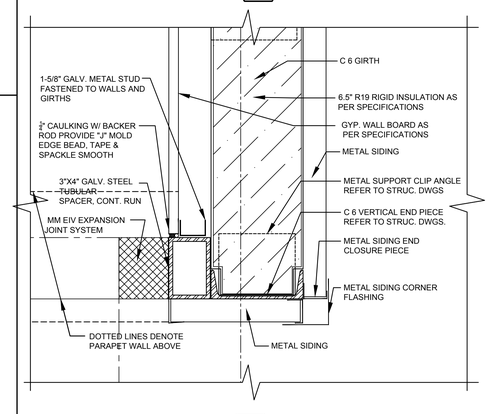
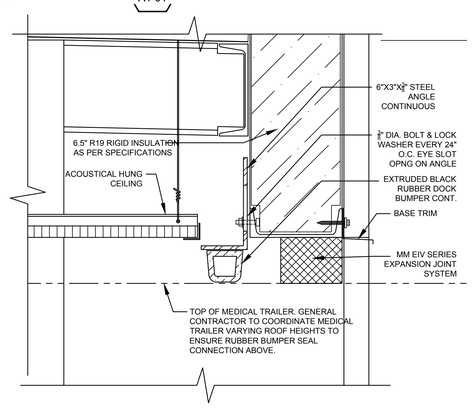


PLAN DETAIL 3 / A1-01

SCALE: 3"=1'-0"



SECTION DETAIL 4 / A1-01

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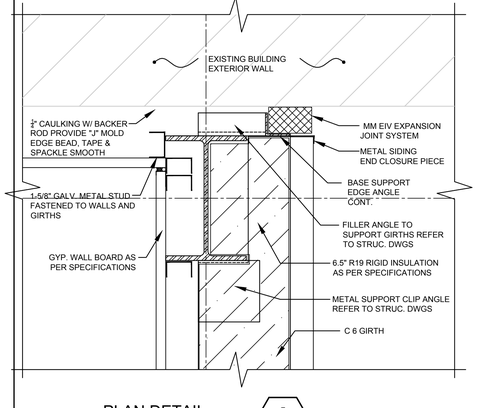

PLAN DETAIL 5 / A1-01

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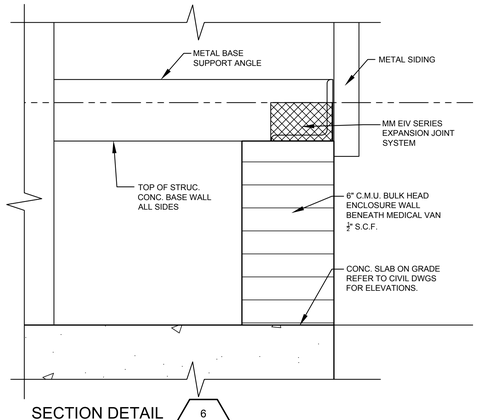
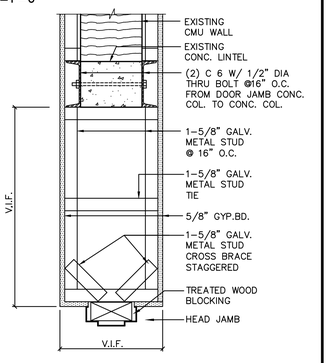


SECTION DETAIL 6 / A1-01

SCALE: 3"=1'-0"

DOOR HEAD DETAILS

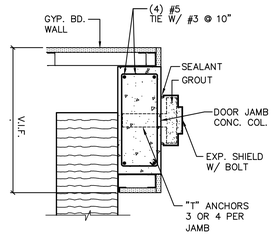
SCALE: 1 1/2"=1'-0"



DET. H-1

DOOR JAMB DETAILS

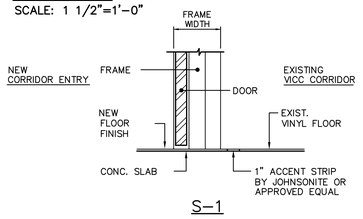
SCALE: 1 1/2"=1'-0"



DET. J-1

DOOR THRESHOLD DETAIL

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



S-1

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GOVERNOR JUAN F. LUIS HOSPITAL
PHASE 1 (T.O.R.) & PHASE 2 (DIALYSIS)
ST. CROIX U.S.V.I.

DATE	REVISIONS	BY
03/23/18	1 ISSUED FOR BID	Y.D.

Job No.	18031
SCALE	AS SHOWN
DATE	01/15/18
DRAWN BY	CAD
CHECKED BY	Y.D.

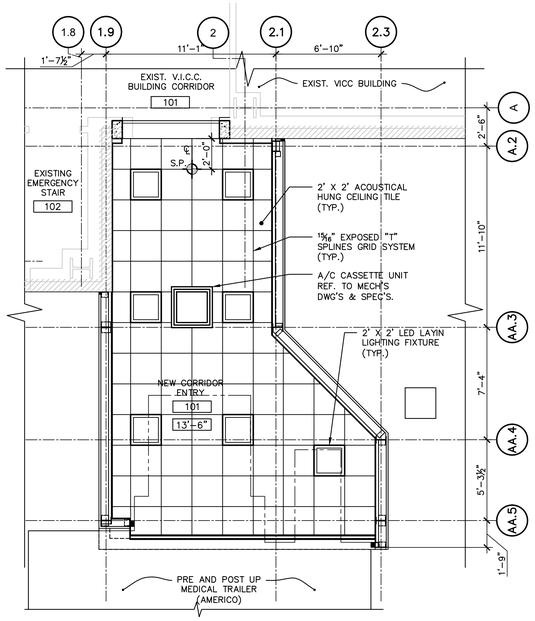
PARTIAL PLAN @ NEW CORRIDOR ENTRY

TITLE

A1-01

REVISION No. A

DATE: 03/23/2018 SEQUENCE: 19 USER: JMM FILE: 18031\A1-01.DWG

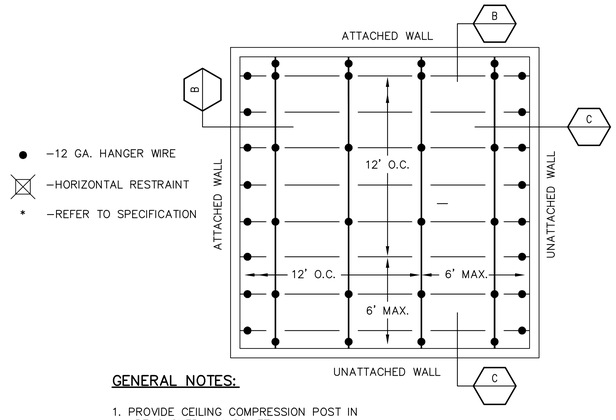


REFLECTED CEILING PLAN

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

REFLECTED CEILING GENERAL SYMBOLS LEGEND:

- 2' X 2' LUMINAIRE
- 2' X 2' CEILING TILES
- AIR SUPPLY
- AIR RETURN GRILLE
- 0'-0" CEILING HEIGHT LEVEL A.F.F.



● –12 GA. HANGER WIRE

⊠ –HORIZONTAL RESTRAINT

* –REFER TO SPECIFICATION

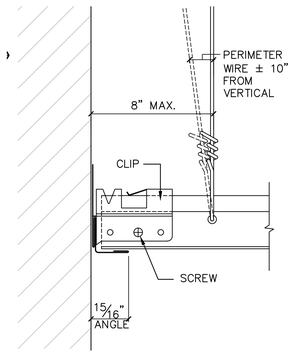
GENERAL NOTES:

1. PROVIDE CEILING COMPRESSION POST IN AREAS OVER 144 SQ. FT.
2. CEILING INSTALLATION SHALL COMPLY WITH PR BUILDING CODE 2011.

TYPICAL CLIP INSTALLATION DIAGRAM

SCALE:

A / A1-02

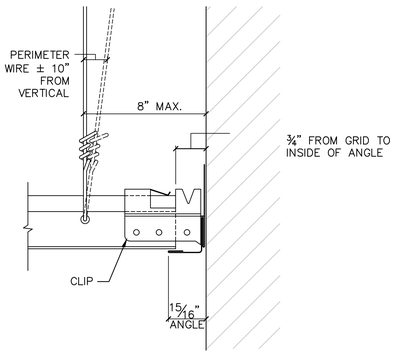


* REFER TO SPECS.

ATTACHED DETAIL

SCALE:

B / A1-02

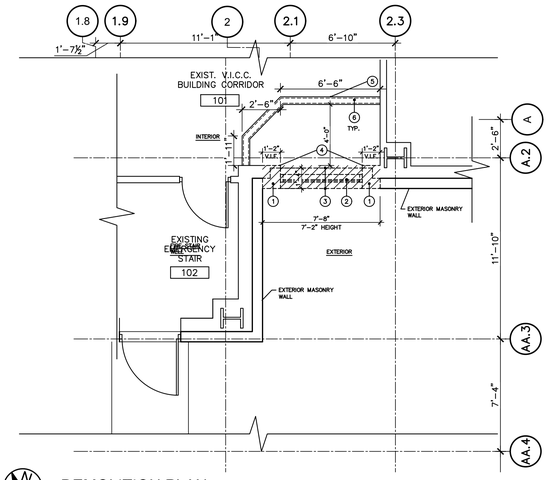


* REFER TO SPECS.

UNATTACHED DETAIL

SCALE:

C / A1-02



DEMOLITION PLAN

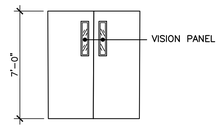
SCALE: 1/4" = 1'-0"

DEMOLITION NOTES:

1. EXISTING EXTERIOR MASONRY WALL TO BE DEMOLISHED FROM EXISTING GROUND FINISHED FLOOR TO 7'-2" A.F.F. AS DIMENSIONED.
2. EXISTING WINDOW TO BE REMOVED.
3. EXISTING LOW BULK HEAD WALL BENEATH WINDOW TO BE DEMOLISHED LEVELED WITH FINISH GROUND FLOOR LEVEL.
4. EXISTING GYPSUM BOARD WALLS TO BE DEMOLISHED AS DIMENSIONED, TO BE V.I.F.
5. EMERGENCY EXIT (RIGHT ARROW) SIGN. 0.55"POLYETHYLENE PLASTIC 14"X 10" W/ FOUR MOUNTING HOLES (ONE AT EACH CORNER). INSTALLED 5'-0"A.F.F.
6. TEMPORARY (CONSTRUCTION) PARTITION. REFER TO DETAIL 1 / A0-01.

PHASE 1A DOOR TYPE:

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



SEAMLESS FLUSH HOLLOW METAL DOOR W/ VISION PANEL

DOOR HARDWARE REQUIREMENTS:

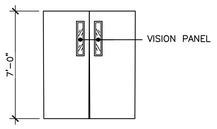
TWO DOOR CLOSERS NON HOLD-OPEN.
DOOR PUSH AND PULL PLATES
FOUR KICK PLATES
HANDLES
HD HINGES.
DOOR COORDINATOR

DOOR NOTES:

1. ALL GLAZING SHALL BE TEMPERED LAMINATED GLASS PANEL.
2. BOTH DOORS SHALL INCORPORATE SIGNAGE THAT READS "NOT AN EXIT", LOCATED 5'-0"A.F.F. MATERIAL: ACRYLIC. CONTRACTOR SHALL SUBMIT FOR ARCH. APPROVAL PRIOR INSTALLATION.
3. FOR HOLLOW METAL DOOR COLORS REFER TO BLDG ELEVATIONS.
4. ALL DOOR FRAMES, UNLESS OTHERWISE SPECIFIED, SHALL MATCH WALL TYPE THICKNESS REFER TO WALL TYPES AND FIELD VERIFY EXISTING CONDITION AS REQUIRED.
5. PROVIDE POWER SUPPLY, CONTROL UNIT AND ALL MISCELANEOUS EQUIPMENTS/ COMPONENTS FOR A COMPLETE OPERATING SYSTEM AT DOORS W/ELECTRIC HARDWARE OR/ AND ACCESSORIES.
6. REFER TO DOOR DETAILS @ A1-01.
7. DOOR SHALL BE 16 GA.

PHASE 1 DOOR TYPE:

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



EXTERIOR DOOR SEAMLESS FLUSH HOLLOW METAL DOOR W/ VISION PANEL

STORM RESISTANT B LABLE FIRE RATED

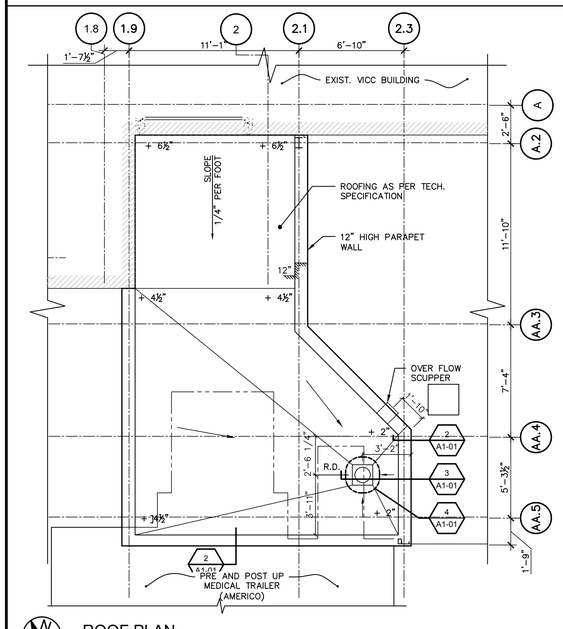
DOOR HARDWARE REQUIREMENTS:

AUTOMATIC DOOR OPENER.
DOOR PUSH AND PULL PLATES
HANDLES
HD HINGES.
FOUR KICKPLATES

ALL HARDWARE SHALL COMPLY WITH STORM RESISTANT DOOR ASSEMBLY.

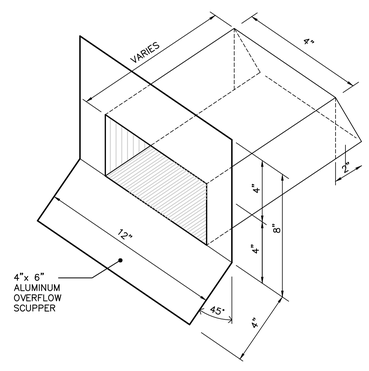
DOOR NOTES:

1. ALL EXTERIOR GLAZING SHALL BE GLAZED ALUMINUM FRAMING SYSTEM CLEAR ANODIC FINISH GRAPHITE GRAY LAMINATED TINTED GLASS. HURACANE RESISTANT GLAZING.
2. BOTH DOORS SHALL INCORPORATE SIGNAGE THAT READS "NOT AN EXIT", LOCATED 5'-0"A.F.F. MATERIAL: ACRYLIC. CONTRACTOR SHALL SUBMIT FOR ARCH. APPROVAL PRIOR INSTALLATION.
3. FOR HOLLOW METAL DOOR COLORS REFER TO BLDG ELEVATIONS.
4. ALL DOOR FRAMES, UNLESS OTHERWISE SPECIFIED, SHALL MATCH WALL TYPE THICKNESS REFER TO WALL TYPES AND FIELD VERIFY EXISTING CONDITION AS REQUIRED.
5. PROVIDE POWER SUPPLY, CONTROL UNIT AND ALL MISCELANEOUS EQUIPMENTS/ COMPONENTS FOR A COMPLETE OPERATING SYSTEM AT DOORS W/ELECTRIC HARDWARE OR/ AND ACCESSORIES.
6. REFER TO DOOR DETAILS @ A1-01.
7. DOOR SHALL BE GAUGE 16.



ROOF PLAN

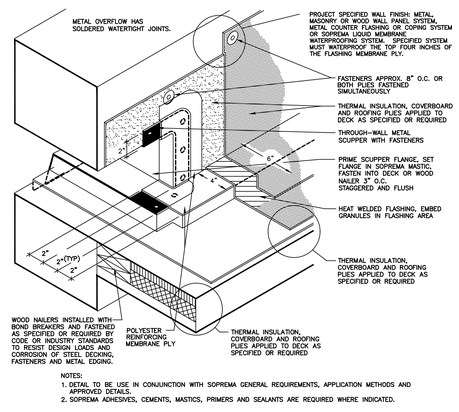
SCALE: 1/4" = 1'-0"



SCUPPER DRAIN DETAIL

NTS

1 / A1-02

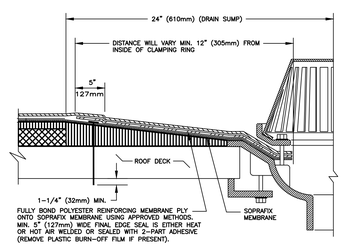


NOTES:
1. DETAIL TO BE USE IN CONJUNCTION WITH SOPREMA GENERAL REQUIREMENTS, APPLICATION METHODS AND APPROVED DETAILS.
2. SOPREMA ADHESIVES, CEMENTS, MASTICS, PRIMERS AND SEALANTS ARE REQUIRED WHERE INDICATED.

SCUPPER DETAIL

NTS

2 / A1-02

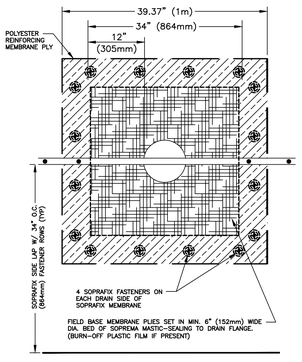


NOTES:
1. DETAIL TO BE USED IN CONJUNCTION WITH SOPREMA GENERAL REQUIREMENTS, APPLICATION METHODS AND APPROVED DETAILS.
2. SOPREMA ADHESIVES, CEMENTS, MASTICS, PRIMERS AND SEALANTS ARE REQUIRED WHERE INDICATED.

DRAIN DETAIL

NTS

3 / A1-02



DRAIN DETAIL

NTS

4 / A1-02

UNLESS OTHERWISE NOTED ALL WORK IS PART OF PHASE 1A

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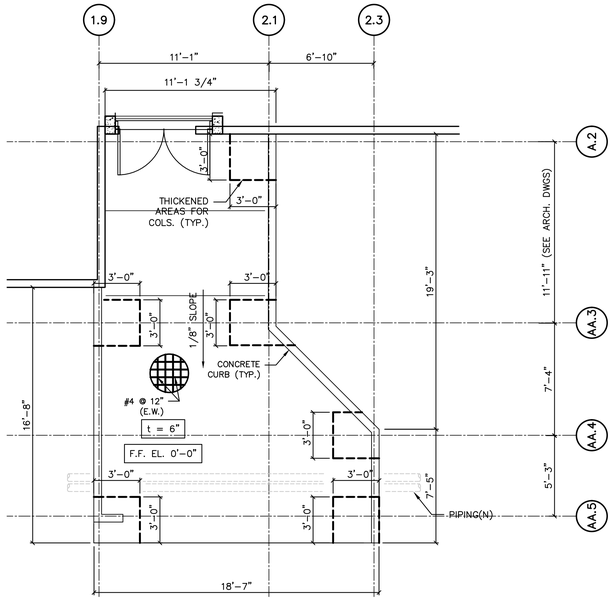
PHASE 1 (T.O.R.) & PHASE 2 (DIALYSIS)
ST. CROIX U.S.V.I.

DATE	REVISIONS	BY
03/23/18	⚠ ISSUED FOR BID	Y.D.

Job No.	18031
SCALE	AS SHOWN
DATE	01/15/18
DRAWN BY	CAD
CHECKED BY	

ROOF & REFLECTED CEILING PLAN (TITLE)

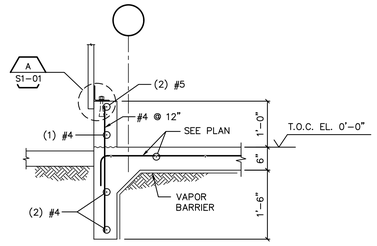
A1-02 (REVISION No. A)



(*) DIMENSIONS TO BE COORDINATED WITH EQUIPMENT SPECIFICATIONS AND MECHANICAL DRAWINGS.

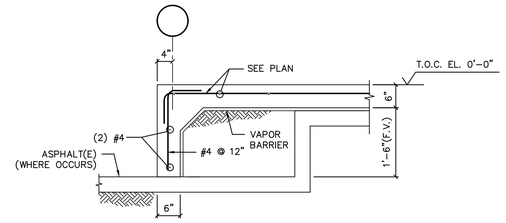
FOUNDATION SLAB PLAN

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



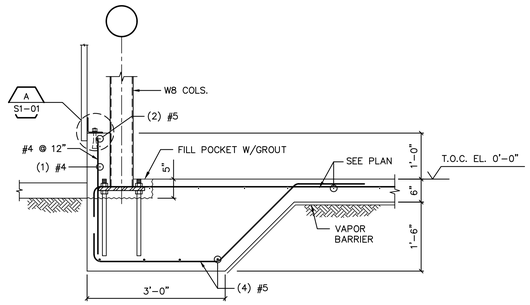
TYP. SLAB EDGE W/CURB SECTION DETAIL

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



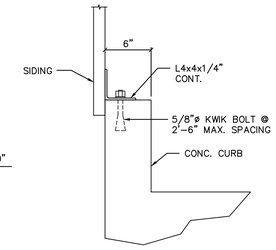
TYP. SLAB EDGE W/O CURB SECTION DETAIL

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



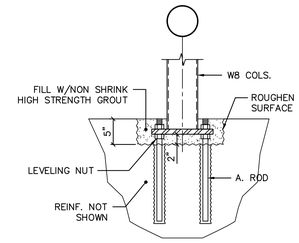
TYP. THICKENNED SLAB SECTION DETAIL

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



DETAIL

SCALE: 1 1/2"=1'-0" (A / S1-01)



TYPICAL COLUMN CONNECTION DETAIL

SCALE: 1"=1'-0"

GENERAL NOTES:

A. REFERENCE:

1. THE FOLLOWING REFERENCE DOCUMENTS, THEIR COMMENTARIES AND THE STANDARD REFERENCE THEREIN, APPLY TO DESIGN, FABRICATION AND CONSTRUCTION PRACTICES TO BE ADHERED TO REGARD TO THE WORK SHOWN ON THE DRAWINGS:
   - A) IBC INTERNATIONAL BUILDING CODE 2009
   - B) ACI MANUAL OF CONCRETE PRACTICE (LATEST).
   - C) ASD MANUAL OF STEEL CONSTRUCTION (LATEST).
   - D) INTERNATIONAL BUILDING CODE, 2009 EDITION
   - E) ACI BLDG CODE REQUIREMENTS FOR REINFORCED CONCRETE (ACI 318-08).
   - F) AWS STRUCTURAL WELDING CODE.
   - G) SDI DESIGN MANUAL.

B. GENERAL:

1. THE FOLLOWING NOTES APPLY TO ALL STRUCTURAL DRAWINGS, UNLESS OTHERWISE NOTED.
2. BEFORE AND DURING CONSTRUCTION, THE CONTRACTOR SHALL CHECK THE ARCHITECTURAL, MECHANICAL, ELECTRICAL, EQUIPMENT AND ALL PROJECT RELATED DRAWINGS TO COORDINATE DIMENSIONS, PLACING OF SLEEVES, INSERTS, OPENINGS, ANCHORAGES, ETC.
3. THE CONTRACTOR SHALL VERIFY AND BE RESPONSIBLE FOR ALL DIMENSIONS AND CONDITIONS AT THE SITE AND SHALL NOTIFY THE STRUCTURAL ENGINEER OF DISCREPANCIES BETWEEN THE ACTUAL CONDITIONS AND INFORMATION SHOWN ON THE DRAWINGS BEFORE PROCEEDING WITH THE WORK.
4. THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE STRUCTURAL ENGINEER OF ANY CONDITION WHICH, IN HIS OPINION, MIGHT ENDANGER THE STABILITY OF THE STRUCTURE OR CAUSE DISTRESS TO THE STRUCTURE.
5. SPECIFIC NOTES & DETAILS SHALL TAKE PRECEDENCE OVER GENERAL NOTES & TYPICAL DETAILS.
6. THE CONTRACTOR SHALL REFER TO THE SPECIFICATIONS FOR INFORMATION NOT COVERED BY THESE GENERAL NOTES OR THE STRUCTURAL DRAWINGS.
7. THE CONTRACTOR SHALL PROVIDE TEMPORARY ERECTION BRACING & SHORING FOR ALL STRUCTURAL MEMBERS OR AS REQUIRED FOR STRUCTURAL STABILITY OF THE STRUCTURE DURING ALL PHASES OF CONSTRUCTION.
8. ALL CONTRACTORS SHALL BE RESPONSIBLE TO INSURE PROPER STORAGE OF MATERIAL IS MAINTAINED SO AS NOT TO CAUSE OVERLOADING OF THE EXISTING OR NEW STRUCTURE DURING PERFORMANCE OF THIS WORK.
9. IF THE EXISTING CONDITIONS DO NOT PERMIT THE INSTALLATION OF THE WORK IN ACCORDANCE WITH THE DETAILS AS SHOWN, THE CONTRACTOR SHALL NOTIFY THE ENGINEER IMMEDIATELY AND PROVIDE A SKETCH OF THE CONDITION WITH HIS PROPOSED MODIFICATION TO THE DETAILS GIVEN ON THE CONTRACT DOCUMENTS. THE FINAL INSTALLATION SHALL BE DONE AS REQUIRED BY THE ENGINEER.
10. ALL CONSTRUCTION SHALL PROCEED FROM DRAWINGS ISSUED FOR CONSTRUCTION.
11. ALL DIMENSION ARE GIVEN IN FEET UNLESS OTHERWISE NOTED.

C. STRUCTURAL STEEL:

1. STRUCTURAL STEEL ROLLED SECTIONS USED IN THE WORK SHALL CONFORM TO ASTM A992.
2. STRUCTURAL STEEL ANGLES AND PLATE USED IN THE WORK SHALL CONFORM TO ASTM A36.
3. SQUARE OR RECTANGULAR TUBES SHALL BE WELDED SEAMLESS SECTIONS MADE OF STEEL CONFORMING TO ASTM A500, GRADE B.
4. BOLTED CONNECTIONS USED IN THE WORK SHALL CONSIST OF UNFINISHED BOLTS CONFORMING TO ASTM A325N. BOLTS SHALL BE 3/4 IN. UNLESS OTHERWISE NOTED. PROVIDE AT LEAST 2 BOLTS PER CONNECTION.
5. CONTRACTOR SHALL PROVIDE BRACING AS REQUIRED TO MAINTAIN THE ALIGNMENT OF THE PLATFORM FRAME UNTIL ALL WELDING/BOLTING IS COMPLETED.
6. ALL STRUCTURAL STEEL DIRECTLY EXPOSED TO THE WEATHER SHALL BE HOT DIPPED GALVANIZED AND TOUCHED UP WITH ZRC WHERE ABRADED OR AFTER WELDING.
7. FOR ADDITIONAL REQUIREMENTS, SEE TYPICAL DETAILS AND SPECIFICATIONS.

D. WELDING:

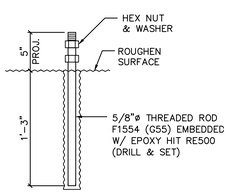
1. ALL WELDING SHALL BE PERFORMED BY CERTIFIED WELDERS.
2. ALL WELDING SHALL BE PERFORMED USING THE ELECTRIC ARC PROCESS IN ACCORDANCE WITH APPLICABLE PORTIONS OF THE "CODE FOR ARC AND GAS WELDING IN BUILDING CONSTRUCTION OF THE AMERICAN WELDING SOCIETY".
3. ELECTRODES SHALL BE E70XX.(ASTM A-223)
4. MIN. WELD SIZE 1/4".

E. CONCRETE

1. F'C=4,000 PSI @ 28 DAYS. ALL CONSTRUCTION JOINT SURFACES SHALL BE CLEANED ROUGHENED IMMEDIATELY BEFORE CONCRETING AND TREATED AS INSTRUCTED IN ACI 301.
2. NO HORIZONTAL JOINTS SHALL BE ALLOWED IN SLABS AND BEAMS.
3. NET CONCRETE PROTECTION FOR REINFORCEMENT SHALL BE AS FOLLOWS:

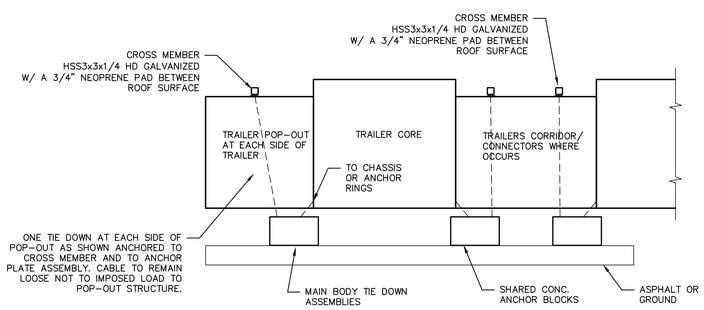
A) FOOTINGS	3" SIDE & BOTTOM, 2" TOP
B) WALLS	
(POURED AGAINST GROUND)	3"
(EXPOSED TO WEATHER)	1 1/2" #5 OR SMALLER; 2" #6 OR LARGER
C) OTHERS	3/4"
D) SLABS	3/4"
E) BEAMS & COLUMNS	1 1/2"

4. ALL 90° AND 180° BENDS ARE STANDARD HOOKS.
5. CONSTRUCTION JOINTS IN GROUND SLAB SHALL BE USED IF REQUIRED BY THE CONTRACTOR; OTHERWISE ALL JOINTS SHOWN ARE CONTROL.
6. REINFORCING STEEL SPLICES, CLASS A, SHALL BE AT LEAST:
   REGULAR BARS #6 OR SMALLER – 40d; #7 OR LARGER – 48d.
   TOP BARS #6 OR SMALLER – 52d; #7 OR LARGER – 62d.
   FOR CLASS B SPLICES, ABOVE VALUES SHALL BE INCREASED 30%.
   IF SPLICE LENGTH IS NOT SHOWN, USE CLASS B.



ANCHOR BOLT DETAIL

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

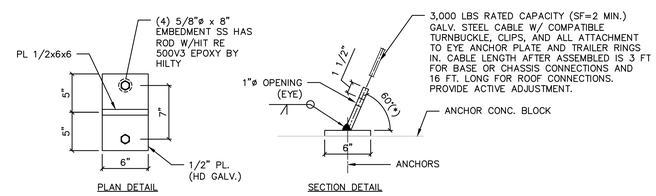


COORDINATE EXACT LOCATION OF TIE DOWN ASSEMBLIES WITH ACTUAL EQUIPMENT
GENERAL NOTES ON THIS DRAWING APPLIES. ANCHORING MUST BE INSTALLED BEFORE HURRICANE SEASON 2018 BEGINS (JUNE 1, 2018).

TRAILERS AND CORRIDORS TIEDOWN ANCHORING CONCEPT

SCALE: NTS

APPLICABLE TO PHASE 1 & PHASE 2 TRAILER UNITS.



NOTES:
1. (*) TO MATCH TIE DOWN ANGLE > 60°
2. ALL CUTS, WELDS AND BURNED AREAS SHALL BE CLEANED, PRIMED AND PAINTED W/ZINC RICH GALVANIZING COMPOUND.
3. TWELVE (12) ANCHOR PLATE ASSEMBLIES AS SHOWN PER MAIN TRAILER, FOUR (4) PER CORRIDOR (CONNECTORS) TRAILER AND FOUR (4) FOR THE UTILITY (SUPPLY) TRAILER. SEE ARCH. PLAN FOR NUMBER OF TRAILERS AND CORRIDOR (CONNECTORS) INSTANCES.

TRAILERS, CORRIDOR TRAILERS AND EQUIPMENT TYPICAL ANCHOR PLATE DETAILS

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

PHASE I-A WORK LIMIT

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PHASE 1 (T.O.R.) & PHASE 2 (DIALYSIS)
ST. CROIX U.S.V.I.

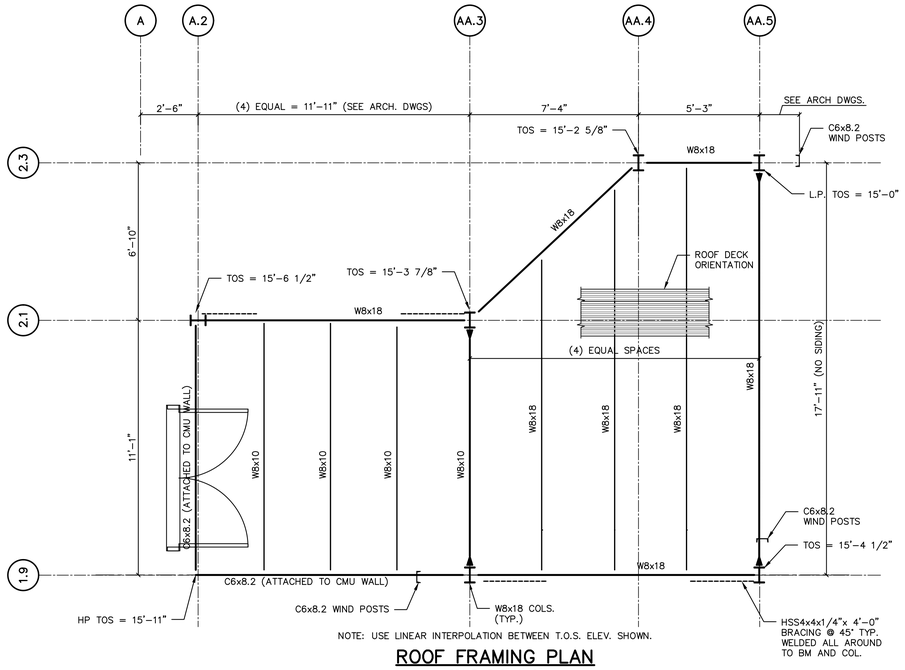
DATE	REVISIONS	BY
03/23/18	1 ISSUED FOR BID	JBF

Job No.	18031
SCALE	AS SHOWN
DATE	01/15/18
DRAWN BY	CAD
CHECKED BY	

FOUNDATION SLAB PLAN & DETAILS
TITLE

S1-01
REVISION No. A

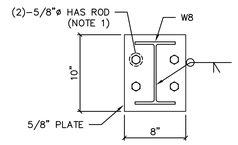
USER: DAY 23/2018 DATE: 02/15/2018 FILE: STRUCTY2-CH-HOSPITAL-S1-01.DWG



NOTE: USE LINEAR INTERPOLATION BETWEEN T.O.S. ELEV. SHOWN.

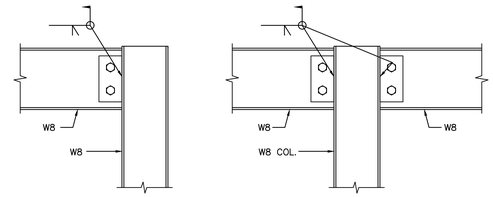
ROOF FRAMING PLAN

SCALE: 3/8"=1'-0"



TYPICAL BASE PL. DETAIL

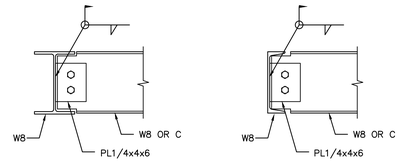
SCALE: 1 1/2"=1'-0"



EXTERIOR EXTERIOR

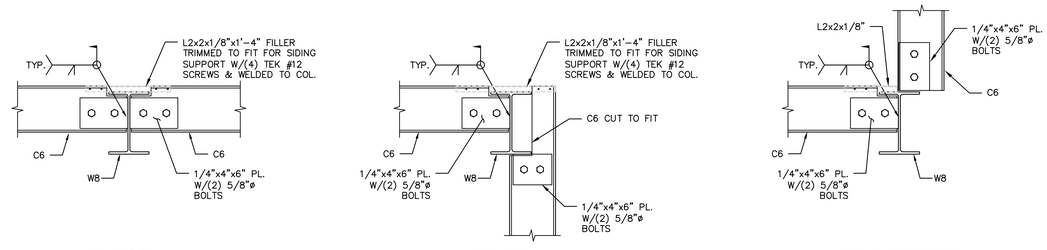
TYPICAL BEAM-COLUMNS CONNECTION DETAILS

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



TYPICAL W's & C's BEAMS CONNECTION DETAILS

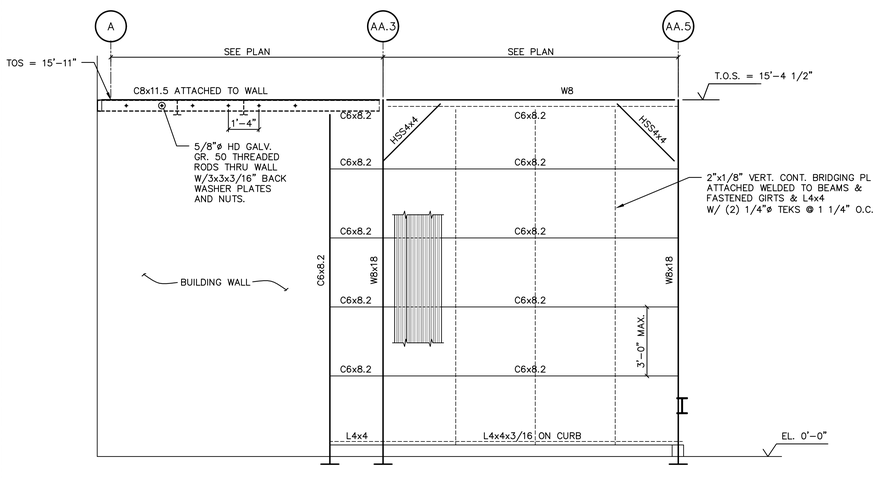
SCALE: 1 1/2"=1'-0"



INTERIOR COL. CORNER COL. RE-ENTRANT CORNER COL.

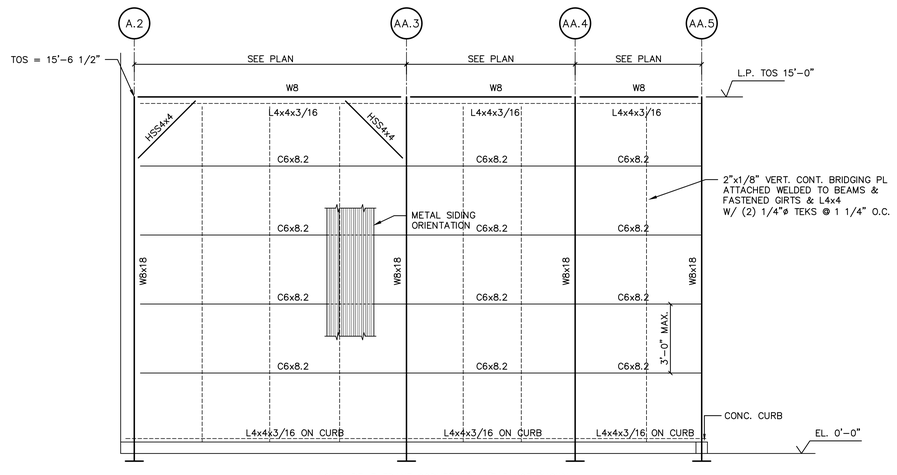
TYPICAL GIRTS TO COL. CONNECTION DETAIL

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



FRAME ELEVATION AT LINES 1.9

SCALE: 3/8"=1'-0"



NOTE: RE-ENTRANT CORNER AT LINE 3 NOT SHOWN.

FRAME ELEVATION AT LINE 2.1 & 2.3

SCALE: 3/8"=1'-0"

NOTES:

1. FOR GENERAL NOTES SEE DRAWING S1-01.
2. ADDITIONAL MISCELLANEOUS STEEL NOT SHOWN. REFER TO ARCH. DWGS.
3. ROOF DECK TYPE 1.5B 22 GA. W/ TEKS #12 @ 6" W/(3/4")ø WASHERS.
4. SIDING SHALL BE STANDING SEAM 22 GA. x 12" WIDE PANELS. INSTALL 4 TEKS #12 PER GIRT C6 PER SIDING PANEL. 65 PSF BENDING CAPACITY PER 3 FT. SPAN.

LEGEND:

◄ DENOTES WELDED MOMENT CONNECTION

PHASE I-A WORK LIMIT

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GOVERNOR JUAN F. LUIS HOSPITAL
PHASE 1 (T.O.R.) & PHASE 2 (DIALYSIS)
ST. CROIX U.S.V.I.

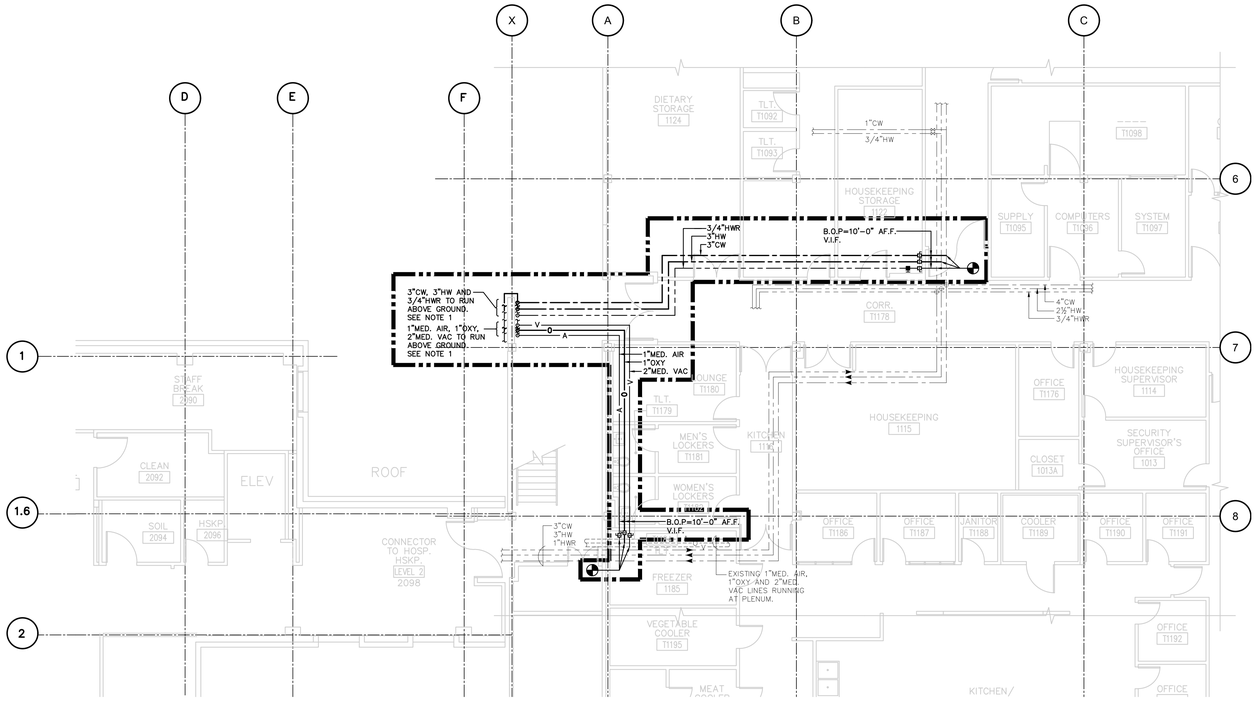
DATE	REVISIONS	BY
03/23/18	⚠1 ISSUED FOR BID	JBF

Job No.	18031
SCALE	AS SHOWN
DATE	01/15/18
DRAWN BY	CAD
CHECKED BY	

ROOF FRAMING PLAN, ELEVATIONS & DETAILS — TITLE

S2-01 — REVISION No. A

USER: DAV DATE: 02/19/2018 FILE: STRUCT\2-CH-HOSPITAL\S2-01.DWG



FIRST FLOOR PIPING PARTIAL PLAN AREA - A

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

NOTES:

1. MEDICAL AND WATER CONNECTION POINT SEE CIVIL DWGS. C6–10.
2. FOR PIPING AND MATERIALS SPECIFICATIONS SEE PROJECT SCOPE OF WORK.
3. TIE–IN CONNECTION SIZES AND EXACT LOCATIONS TO BE FIELD VERIFIED AND SHUTDOWNS COORDINATED WITH OWNER.
4. SEAL ALL PIPE PENETRATIONS AND PROVIDE WEATHERPROOFING.
5. PHASE 1A SCOPE INCLUDES: CW, MED. AIR, OXY AND MED. VAC.

LEGEND:

- CONNECT TO EXISTING
- BALL VALVE
- CIRCUIT SETTER
- V — MED. VAC
- O — OXYGEN
- A — MED. AIR
- CW — COLD WALER
- HW — HOT WATER
- HWR — HOT WATER RETURN

1'0 2' 5' 10' 20'

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

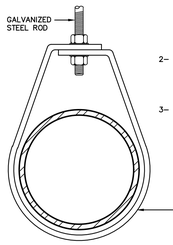
WORK LIMITED TO OUTLINED AREA ONLY

NOTE

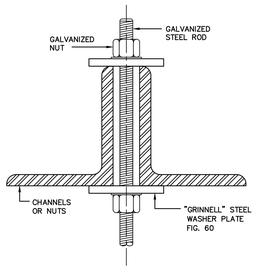
1– ROD SIZE
3/8" FOR 1/2" TO 2" PIPE
1/2" FOR 1 1/2" TO 3 1/2" PIPE
5/8" FOR 4" AND 5" PIPE
3/4" FOR 6" PIPE
7/8" FOR 12" PIPE

2– FINISH
ZINC COATED FOR STEEL PIPE AND CAST IRON PIPE.
COPPER PLATED FOR COPPER PIPE.

3– FOR INSULATED LINE, RING SHALL BE SELECTED FOR TOTAL OUTSIDE DIAMETER. INSULATION SHALL BE PROTECTED BY SHIELDS MADE OF #18 G.A. GALVANIZED STEEL, ROLLED TO FIT THE OUTSIDE DIAMETER, AND NOT LESS THAN 12" LONG.

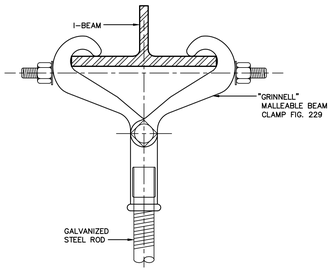


HANGER RING DETAIL (1 / P.1)
SCALE: N.T.S.



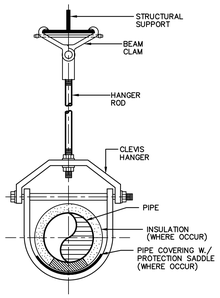
(STEEL JOIST BOTTOM ANGLES)

HANGER DETAIL (2 / P.1)
SCALE: N.T.S.

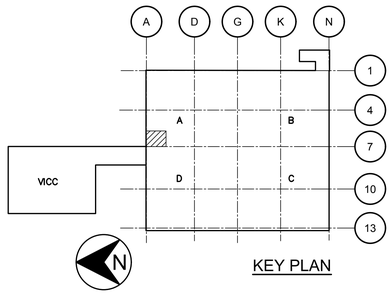


(I–BEAM BOTTOM FLANGE)

HANGER DETAIL (3 / P.1)
SCALE: N.T.S.



PIPE HANGER DETAIL "J" (4 / P.1)
SCALE: N.T.S.



KEY PLAN

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GOVERNOR JUAN F. LUIS HOSPITAL

PHASE 1 (T.O.R.) & PHASE 2 (DIALYSIS)

ST. CROIX U.S.V.I.

DATE	REVISIONS	BY
03/28/18	⚠ ADDENDUM No.1	L.F.M.

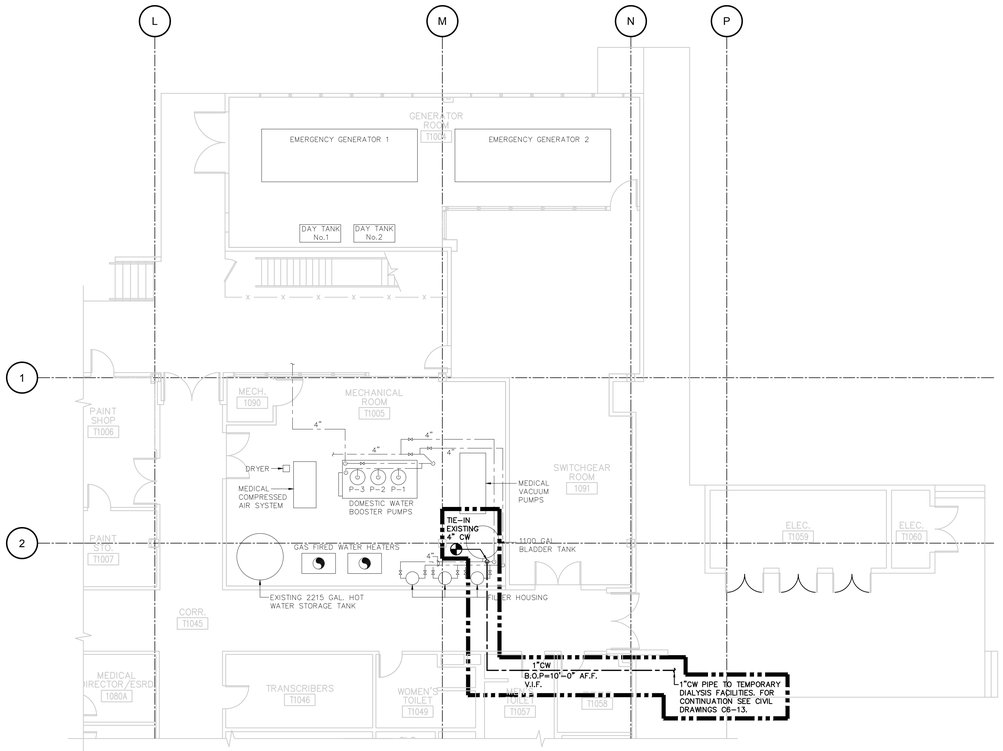
Job No.	18031
SCALE	1/8"–1'–0"
DATE	03/26/18
DRAWN BY	CAD
CHECKED BY	L.F.M.

TITLE: PIPING LAYOUT DRAWINGS

REVISION No. A

P.1

FILE: 18031\P-1.DWG USER: IMR SEQUENCE: 9 DATE: 03/29/2018



FIRST FLOOR PIPING PARTIAL PLAN AREA - B

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

NOTES:

1. FOR PIPING AND MATERIALS SPECIFICATIONS SEE PROJECT SCOPE OF WORK.
2. FOR HANGER DETAILS REFER TO DWG. P.1.
3. TIE-IN CONNECTION SIZES AND EXACT LOCATIONS TO BE FIELD VERIFIED AND SHUTDOWNS COORDINATED WITH OWNER.
4. SEAL ALL PIPE PENETRATIONS AND PROVIDE WEATHERPROOFING.

LEGEND:

CONNECT TO EXISTING

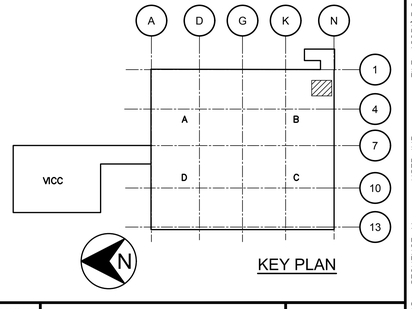
BALL VALVE

CW COLD WALER

1'0 2' 5' 10' 20'

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

WORK LIMITED TO OUTLINED AREA ONLY



KEY PLAN

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PHASE 1 (T.O.R.) & PHASE 2 (DIALYSIS)
ST. CROIX U.S.V.I.

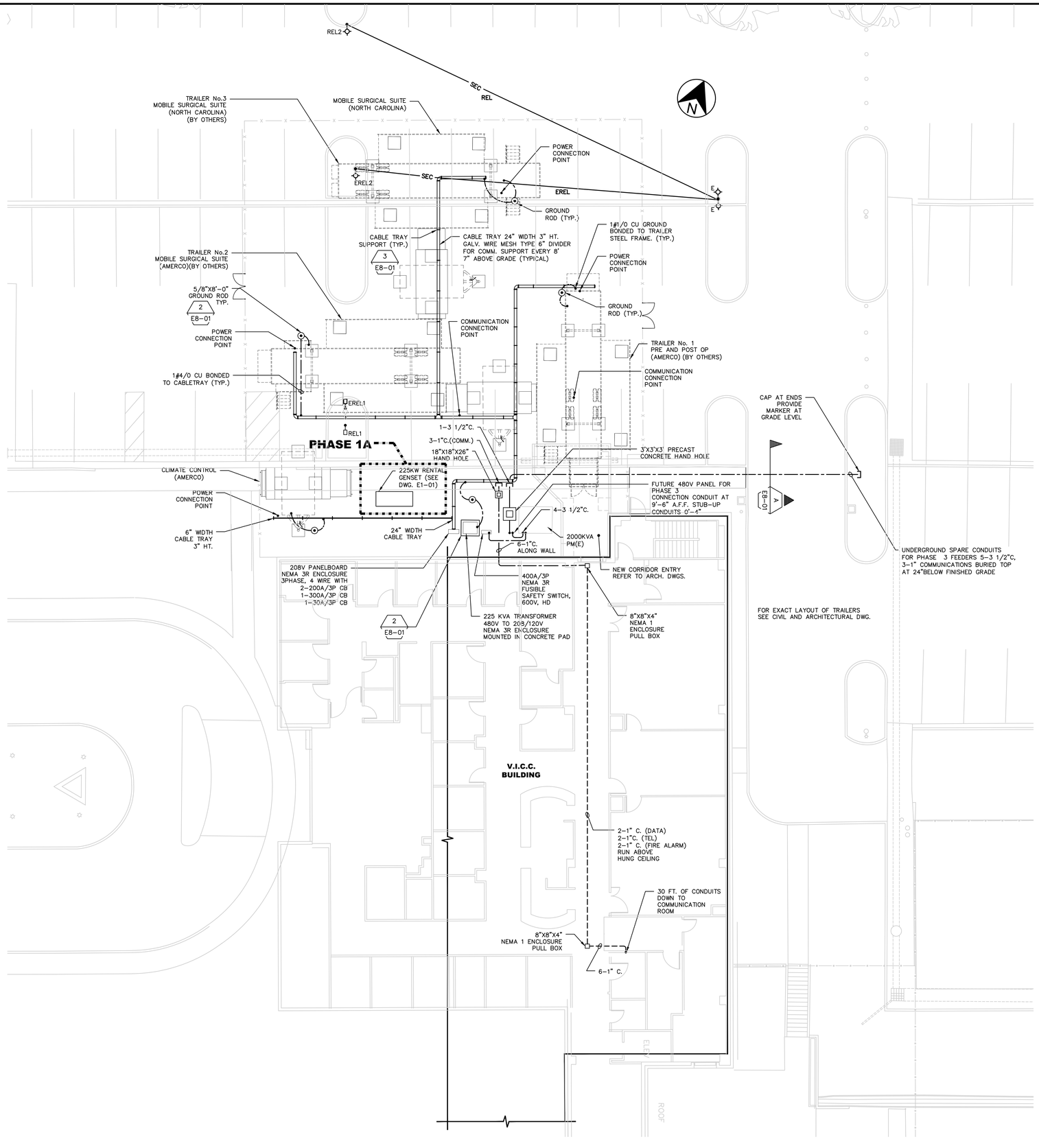
DATE	REVISIONS	BY
03/28/18	A ADDENDUM No.1	L.F.M.

Job No.	18031
SCALE	1/8"=1'-0"
DATE	03/26/18
DRAWN BY	CAD
CHECKED BY	L.F.M.

PIPING LAYOUT DRAWINGS — TITLE

P.2 — REVISION No. A

FILE: 18031\P-2.DWG USER: IMR SEQUENCE: 11 DATE: 03/28/2018



L E G E N D

SYMBOL	DESCRIPTION
R	EXISTING LIGHTING POLE TO BE REMOVED.
EREL1	EXISTING 30FT. LIGHTING POLE TO BE RELOCATED.
REL1	RELOCATED LIGHTING POLE.
E	EXISTING TO REMAIN.
EREL2	EXISTING WOODEN LIGHTING POLE TO BE RELOCATED BY OTHERS.
REL2	RELOCATED WOODEN LIGHTING POLE.
REL	RELOCATED EQUIPMENT.
EREL	EXISTING TO BE RELOCATED BY OTHERS.
— SEC —	RELOCATED AERIAL TRIPLEX AL CABLE.

N O T E S

1. PROVIDE NEW CONCRETE BASE (POWER POLES INC. PRECAST LIGHTING POLE BASE 18"DIA x 5'-6" LENGTH) FOR RELOCATED LIGHTING POLE. EXTEND LIGHTING CIRCUIT TO NEW LOCATION.
2. ALL PLENUM WORK SHALL BE DISCUSSED & COORD. WITH OWNER PRIOR PERFORMING WORK.

5' 2' 0 10' 20' 50'

SCALE: 1"=10'

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PHASE 1 (T.O.R.) & PHASE 2 (DIALYSIS)

ST. CROIX U.S.V.I.

DATE	REVISIONS	BY
03/28/18	1 ADDENDUM No.1	FVC

Job No.	18031
SCALE	1"=10'
DATE	02/08/18
DRAWN BY	CAD
CHECKED BY	FVC

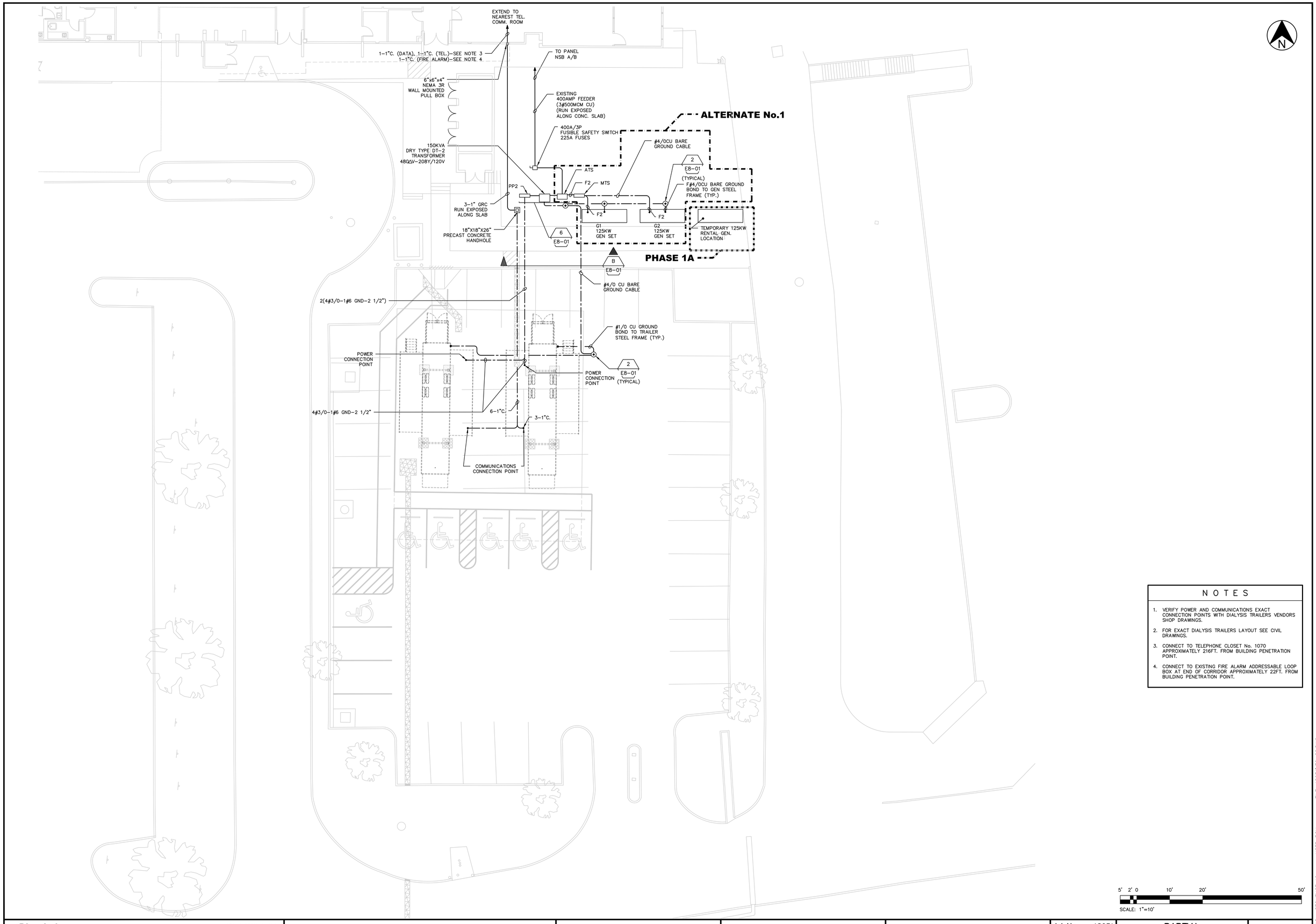
PARTIAL
ELECTRICAL SITE PLAN
PHASE 1 (T.O.R.)

TITLE

E0-01

REVISION No. A

FILE: 18031\E0-01.DWG USER: RCM SEQUENCE: 47 DATE: 03/28/2018



NOTES

1. VERIFY POWER AND COMMUNICATIONS EXACT CONNECTION POINTS WITH DIALYSIS TRAILERS VENDORS SHOP DRAWINGS.
2. FOR EXACT DIALYSIS TRAILERS LAYOUT SEE CIVIL DRAWINGS.
3. CONNECT TO TELEPHONE CLOSET No. 1070 APPROXIMATELY 216FT. FROM BUILDING PENETRATION POINT.
4. CONNECT TO EXISTING FIRE ALARM ADDRESSABLE LOOP BOX AT END OF CORRIDOR APPROXIMATELY 22FT. FROM BUILDING PENETRATION POINT.

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PHASE 1 (T.O.R.) & PHASE 2 (DIALYSIS)

ST. CROIX U.S.V.I.

DATE	REVISIONS	BY
03/28/18	⚠ ADDENDUM No.1	FVC

Job No.	18031
SCALE	1"=10'
DATE	02/08/18
DRAWN BY	CAD
CHECKED BY	FVC

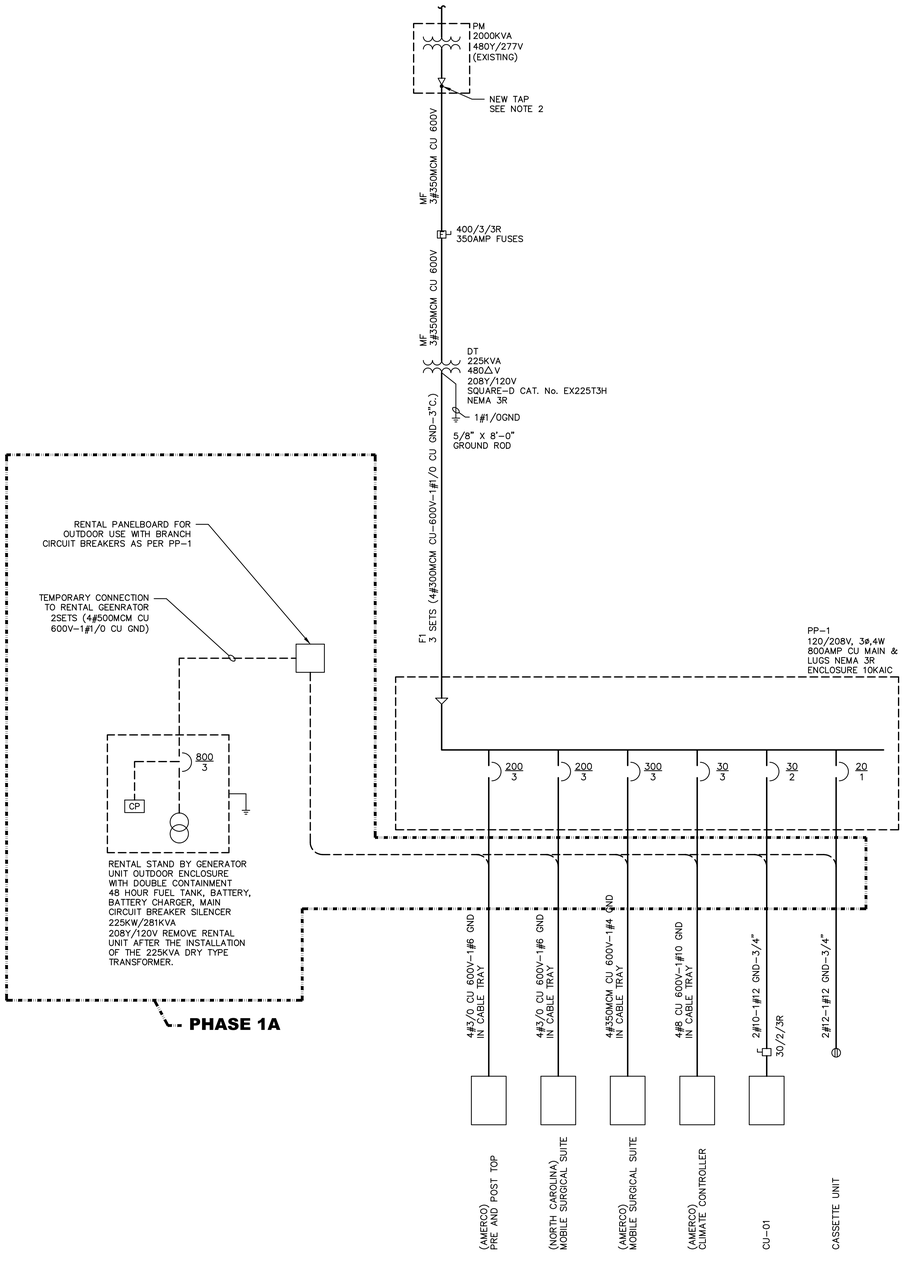
PARTIAL ELECTRICAL SITE PLAN PHASE 2 (DIALYSIS)

TITLE

E0-02

REVISION No. A

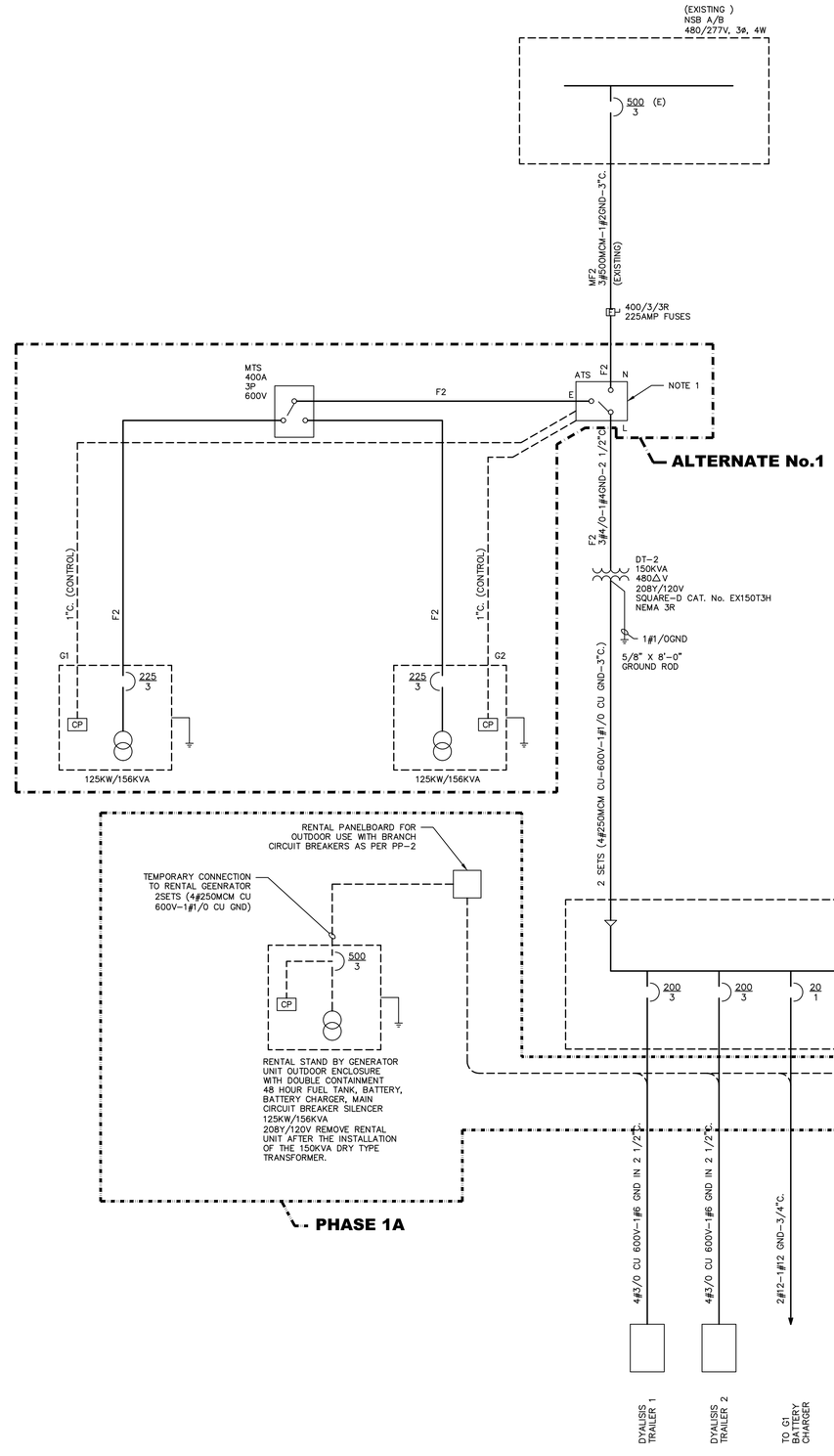
FILE: 18031\E0-02.DWG USER: RCM SEQUENCE: 19 DATE: 03/28/2018



ONE LINE DIAGRAM
SCALE: NTS

NOTE:

1- CABLES INSTALLED IN OUTDOOR CABLE TRAY SHALL BE RATED: CABLE TRAY USE, SUN LIGHT RESISTANT, WET LOCATION.



ONE LINE DIAGRAM
SCALE: NTS

L E G E N D

SYMBOL	DESCRIPTION
225, 3, CP, 125KW/156KW	125KW/100KVA STANDBY DIESEL ENGINE GENERATOR WITH WEATHERPROOF, 180MPH WIND RESISTANT, SOUND ATTENUATED LEVEL 2 ENCLOSURE, SUB-BASE DOUBLE CONTAINMENT 336 GAL. DIESEL FUEL TANK, BATTERIES, CRITICAL MUFFLER 480V, 3ø, 4W CUMMINS MODEL DSGAB.
MTS 400A	400A 600V 3 POLE NEMA 3R ENC. DOUBLE THROW SAFETY SWITCH SQUARE-D CAT. No. 82345R.
ATS, E, N, L	225A, 3 POLE 480V, NEMA 3R ENCLOSURE AUTOMATIC TRANSFER SWITCH CUMMINS OTPC OPEN TRANSITION

N O T E S

1. PROVIDE TEMPORARY 24"x24"x6" NEMA 3R BOX. COIL CABLES INSIDE VOX FOR ATS CONNECTION. CONNECT F2 TO TRANSFORMER REPLACE BOX WITH ATS WHEN IT ARRIVES. RECONNECT CABLES TO ATS.
2. COORDINATE A SHUT-DOWN OF TRANSFORMER WITH WAPA.

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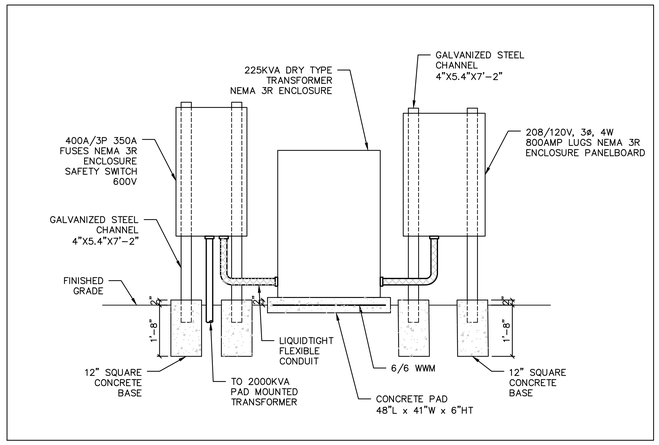
DATE	REVISIONS	BY
03/23/18	1 ISSUED FOR BID	FVC

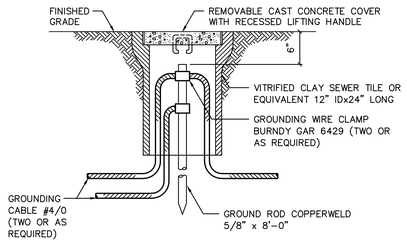
Job No.	18031
SCALE	NONE
DATE	02/19/18
DRAWN BY	CAD
CHECKED BY	FVC

ONE LINE DIAGRAM
TITLE
E1-01
REVISION No. A

DATE: 03/23/2018 SEQUENCE: 19 USER: YDOITEAU FILE: 18031\E1-01.DWG



DETAIL 1 E8-01
SCALE: NTS



DETAIL 2 E8-01
SCALE: NTS

GROUNDING NOTES

1. ALL GROUNDING CABLES IN GROUNDING GRID SHALL BE #4/0 AWG STRANDED BARE COPPER, EXCEPT AS OTHERWISE INDICATED. HORIZONTAL RUNS SHALL RUN ALONG CABLE TRAY BOND CABLE TO CABLE TRAY EVERY 20FT.
2. THE OVERALL GROUND GRID SYSTEM RESISTANCE SHALL MEET NEC REQUIREMENTS.
3. GROUNDING WIRE RUNS BETWEEN POINTS OF CONNECTIONS SHALL BE AS SHORT AND STRAIGHT AS POSSIBLE.
4. CONNECTIONS TO EQUIPMENT SHALL BE DONE TO EQUIPMENT GROUNDING LUGS OR BOLTED TO EQUIPMENT WITH CONNECTORS APPROVED FOR GROUNDING CONNECTIONS.

L E G E N D

⊙	5/8" X 8'-0" COPPERWELD GROUND ROD CABLE TO GROUND ROD.
—G—	#4/0 CU BARE GROUNDING CABLE.
L1	2'x2' LED RECESSED LUMINAIRE METALUX 22GR-LD5-30-F1-UNV-L8402 OR SIMILAR.
1*	CONDUIT RUN ABOVE HUNG CEILING. No. OF MARKS INDICATES No. OF CONDUCTOR.

CONDUCTORS

MATERIAL		
600V		15KV
■ COPPER	SIZES ALL	■ COPPER
□ ALUMINUM	SIZES	□ ALUMINUM
INSULATION		
600V		15 kV.
THWN	UP TO NO. 8 AWG	CROSSLINKED
XHHW	NO. 6 AND LARGER	
SIZE (AWG)		
12	WHEN NOT INDICATED	
12	MINIMUM	

COLOR CODE

	208Y/120V	480Y/277V
PHASE A	BLACK	BROWN
PHASE B	RED	ORANGE
PHASE C	BLUE	YELLOW
NEUTRAL	WHITE	WHITE OR GRAY
GROUND	GREEN	GREEN

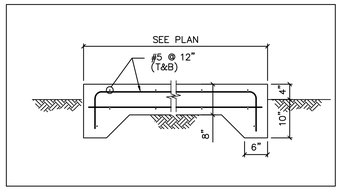
ON CONDUCTOR NO. 6 AND LARGER WHEN FACTORY COLOR IS NOT AVAILABLE, CONDUCTORS SHALL BE CODED BY 1-IN WDE BAND OF COLORED PVC TAPE, 6-IN LONG, SPIRAL WRAPPED AROUND ENDS OF EACH CONDUCTOR, WITH 1/2-IN WIDTH LAP, AND IN EACH JUNCTION BOX OR WIREWAY.

CONDUIT

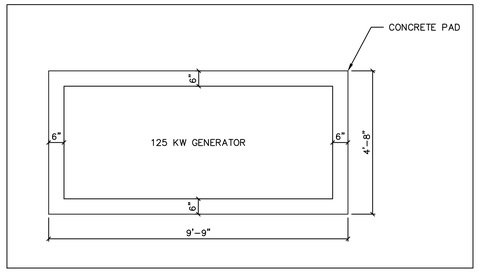
SYMBOL	INSTALLED
	IN CONCRETE SLAB
	ABOVE HUNG CEILING
	UNDERFLOOR/UNDERGROUND
	EXPOSED
	CONDUIT UP
	CONDUIT DOWN
	HOME RUN TO LOAD CENTER

TYPE	INSTALLED
EMT	ABOVE HUNG CEILING
PVC-GRC	UNDERGROUND
PVC	CAST CONCRETE CONSTRUCTION IN DIRECT CONTACT WITH EARTH
GRC	EXPOSED INDOOR & OUTDOOR
SIZE-DIA(INCH)	
3/4"	WHEN NOT INDICATED
3/4"	MINIMUM

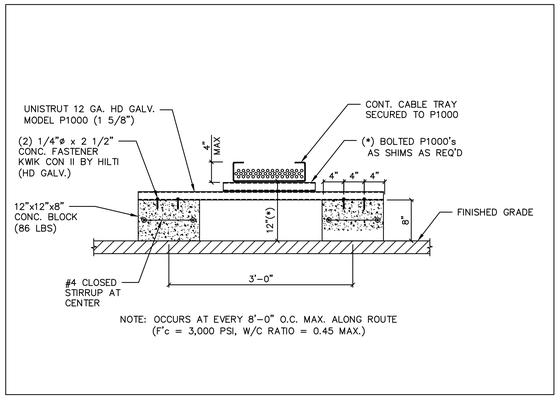
ALTERNATE No.1



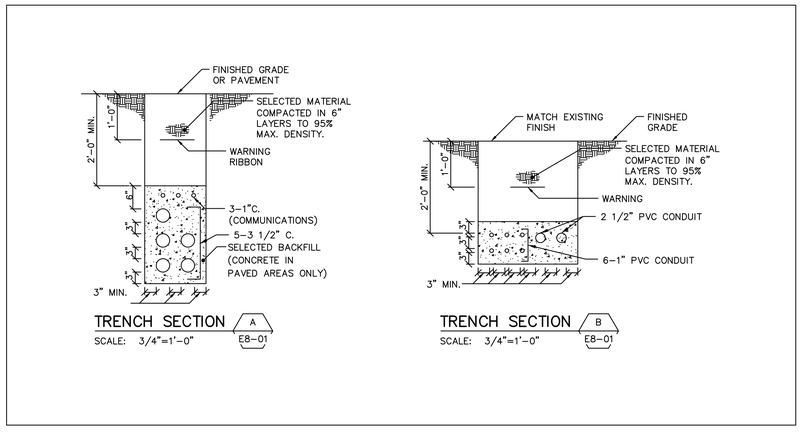
GENERATOR CONCRETE PAD DETAIL 4 E8-01
SCALE: NTS



GENERATOR PLAN 5 E8-01
SCALE: NTS

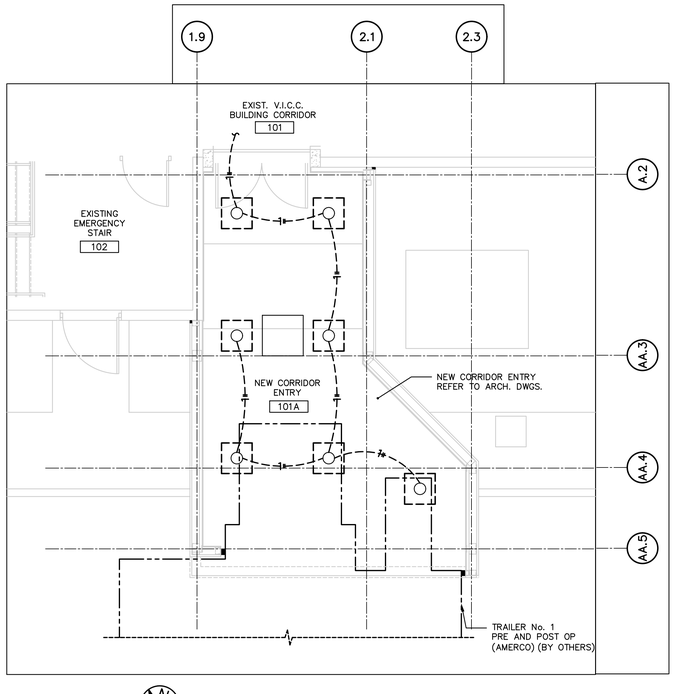


NOTE: OCCURS AT EVERY 8'-0" O.C. MAX. ALONG ROUTE (F'c = 3,000 PSI, W/C RATIO = 0.45 MAX.)

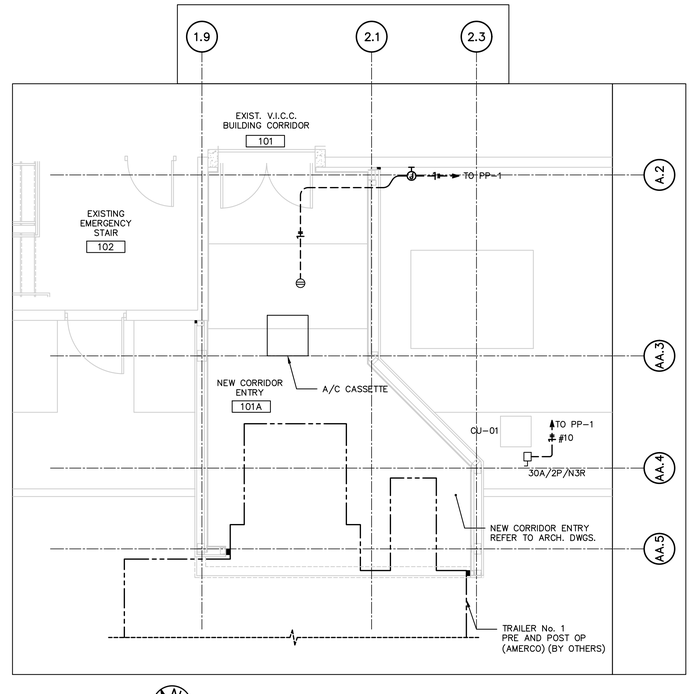


TRENCH SECTION A E8-01
SCALE: 3/4"=1'-0"

TRENCH SECTION B E8-01
SCALE: 3/4"=1'-0"



LIGHTING PARTIAL PLAN
SCALE: 1/4"=1'-0"



POWER PARTIAL PLAN
SCALE: 1/4"=1'-0"

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PHASE 1 (T.O.R.) & PHASE 2 (DIALYSIS)
ST. CROIX U.S.V.I.

DATE	REVISIONS	BY
03/23/18	1 ISSUED FOR BID	FVC

Job No. 18031
SCALE AS SHOWN
DATE 02/19/18
DRAWN BY CAD
CHECKED BY FVC

TITLE: DETAILS
REVISION No. A
E8-01

DATE: 03/23/2018 SEQUENCE: 16 USER: YDOTTEAU FILE: 18031\E8-01.DWG