

CORTEZ

MANUFACTURED BY:

CXT INC. (TX)
901 N. HIGHWAY 77
HILLSBORO, TX 76645

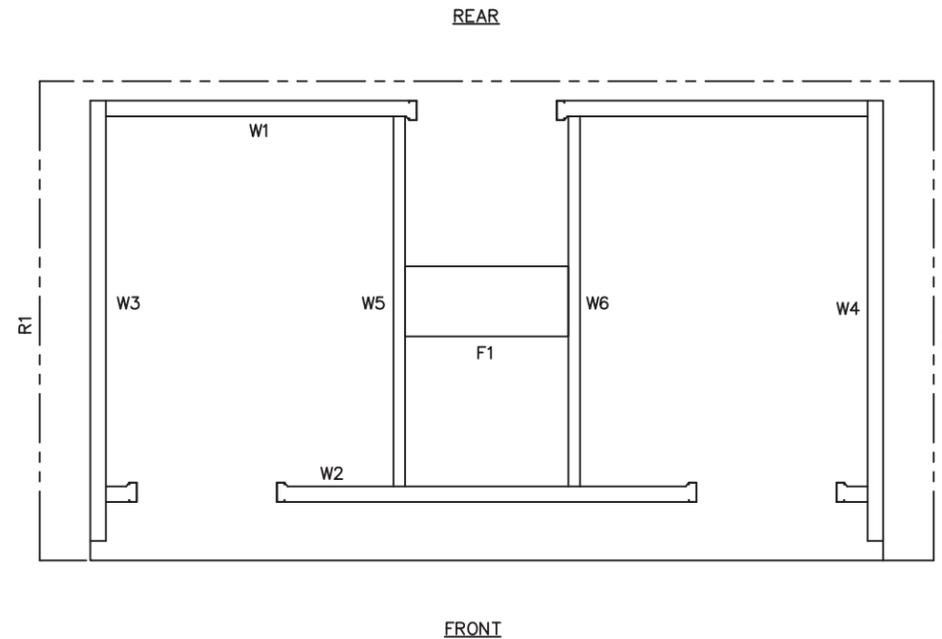
SITE ADDRESS:

BISBEE, AZ

NOTES

- BUILDING IS DESIGNED TO COMPLY WITH THE 2018 INTERNATIONAL BUILDING CODE.
- DESIGN COMPLIES WITH THE PROVISIONS OF THE 2018 IBC CODE FOR THE FOLLOWING LOADS:
GROUND SNOW LOAD = 250 PSF
ROOD SNOW LOAD = 210 PSF
FLOOR LOAD = 400 PSF
IBC DESIGN SPECTRAL RESPONSE $S_s = 0.978$ $S_1 = 0.333$
SITE CLASS D
RISK CATEGORY: II
SEISMIC DESIGN CATEGORY: D
BEARING WALL SYSTEM $R = 4.0$
WIND - $V = 150$ MPH
WIND - $V_{ASD} = 116$ MPH
WIND EXPOSURE C
***BUILDING IS NOT TO BE PLACED IN A LOCATION WHERE LOADS EXCEED THE VALUES PROVIDED ABOVE
- CONSTRUCTION TYPE: V-B
OCCUPANCY: U
OCCUPANT LOAD: 3
EXTERIOR WALLS: 1-HR RATED PER IBC TABLE 721.1(2), ITEM 4-1.1
MINIMUM FIRE SEPARATION DISTANCE: 10' PER IBC TABLE 705.8
- CONCRETE STRENGTH $f'_{ci} = 2500$ PSI INITIAL $f'_{c} = 5000$ PSI FINAL
AIR ENTRAINMENT $6\% \pm 1\ 1/2\%$ IN PLASTIC CONCRETE.
REINFORCING STEEL: ASTM A615 #3 GRADE 40, #4 AND LARGER GRADE 60 $F_y=60$ KSI MINIMUM LAP 18" AT SPLICES. TIE BARS WITH DOUBLE ANNEALED 16 GA IRON WIRE. REINFORCING TO BE PLACED IN CENTER OF PANEL UNO.
WELDED WIRE FABRIC (W.W.F.): ASTM A1064 GRADE 80, 4x4xW6.7xW6.7, $F_y=80$ KSI (OR EQUIVALENT), SMOOTH WIRE, MIN. LAP 2 SQUARES.
- EMBEDDED ITEMS IDENTIFIED ON DRAWINGS (i.e. PS-2, R301) REFER TO CXT STANDARD EMBEDMENT CATALOG.
- BACK OF PANELS TO HAVE SMOOTH TROWEL FINISH UNO. ALL SURFACES TO BE TEXTURED ARE NOTED ON PANEL DWG'S
- REFER TO SEPARATE CXT INCORPORATED SPECIFICATIONS COVERING DESIGN, MATERIALS, PRODUCTION, AND INSTALLATION CRITERIA FOR SPECIFIC STYLE OF BUILDING.
- ALL REBAR BENDS ARE TO HAVE A MINIMUM RADIUS OF 6x THE BAR DIAMETER
- INSTALLATION TO MEET APPLICABLE LOCAL, STATE & FEDERAL CODES, BY OTHERS.
- ADEQUATE PLUMBING FACILITIES MUST BE PROVIDED IN ACCORDANCE WITH 2018 IBC (NOT BY CXT)
- ACCESSIBLE ROUTE TO BE PROVIDE BY OTHER ON SITE (NOT BY CXT).

PANEL MARK NO. KEY PLAN



INDEX OF DRAWINGS

NO.	TITLE
CR-01	COVER SHEET
CR-02	RIGGING DETAIL
CR-03	FLOOR PLAN
CR-04	BUILDING ELEVATIONS
CR-05	INTERIOR ELEVATIONS
CR-06	CASTING DETAILS
CR-07	WALL PANEL MARK W1
CR-08	WALL PANEL MARK W2
CR-09	WALL PANEL MARK W3
CR-10	WALL PANEL MARK W4
CR-11	WALL PANEL MARK W5
CR-12	WALL PANEL MARK W6
CR-13	FLOOR SLAB MARK F1
CR-14	ROOF SLAB MARK R1
CR-15	ROOF SLAB MARK R2
CR-16	FOUNDATION DETAIL
CR-17	FLOOR DRAIN LOCATIONS & BELOW FLOOR PIPING
CR-18	WATER, WASTE & VENT PIPING PLANS & NOTES
CR-19	PLUMBING SCHEDULE, DIAGRAMS & NOTES
CR-20	ELECTRICAL NOTES & SCHEDULES
CR-21	ELECTRICAL PLAN, LEGEND & NOTES
CR-22	EMBEDDED MATERIALS

APPLICABLE CODES

2018 INTERNATIONAL BUILDING CODE
2018 INTERNATIONAL PLUMBING CODE
2018 INTERNATIONAL MECHANICAL CODE
2017 NATIONAL ELECTRIC CODE
2018 INTERNATIONAL ENERGY CONSERVATION CODE
2009 ICC A117.1 ACCESSIBLE & USABLE BUILDINGS & FACILITIES

SPECIAL CONDITIONS AND/OR LIMITATIONS

ACCESSIBILITY TO THIS BUILDING, INCLUDING PARKING, IS TO BE PROVIDED BY OTHERS AND CONSTRUCTED IN ACCORDANCE WITH ALL LOCAL BUILDING CODES.



LB Foster
CXT® Products

6701 E Flamingo Ave Bldg 300 Nampa, ID 83687
901 N. Highway 77 Hillsboro, TX 76645
362 Waverly Road Williamstown, WV 26187

PROJECT TITLE

CORTEZ

BUILDING NUMBER CR-1724

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CASTING TOLERANCES:

OVERALL LENGTH OR WIDTH
10 FT OR UNDER = $\pm 1/8"$
10 TO 20 FT = $\pm 1/8"$, $-3/16"$
20 TO 40 FT = $\pm 1/4"$

TOTAL THICKNESS = $-1/8$, $+1/4$
VARIATION FROM SQUARE = $\pm 1/8$ PER 6 FT OF DIAGONAL
LOCAL SMOOTHNESS = $1/4"$ IN 10 FT
SWEEP = $\pm 1/4"$
POSITION OF TENDONS = $\pm 1/4"$
POSITION OF BLOCKOUTS = $\pm 1/4"$
SIZE OF BLOCKOUTS = $\pm 1/4"$
POSITION OF EMBEDS = $\pm 1/4"$
TIPPING AND FLUSHNESS OF PLATES = $+1/16$, $-1/4$
BOWING = LENGTH/360
END SQUARENESS = $\pm 1/8"$

ARIZONA STATE TAG, APPROVAL, AND PE DRAWINGS (ECC ONLY) REQUIRED

WALL TEXTURE: SPLIT FACE BLOCK
WALL COLOR: NATURAL HONEY

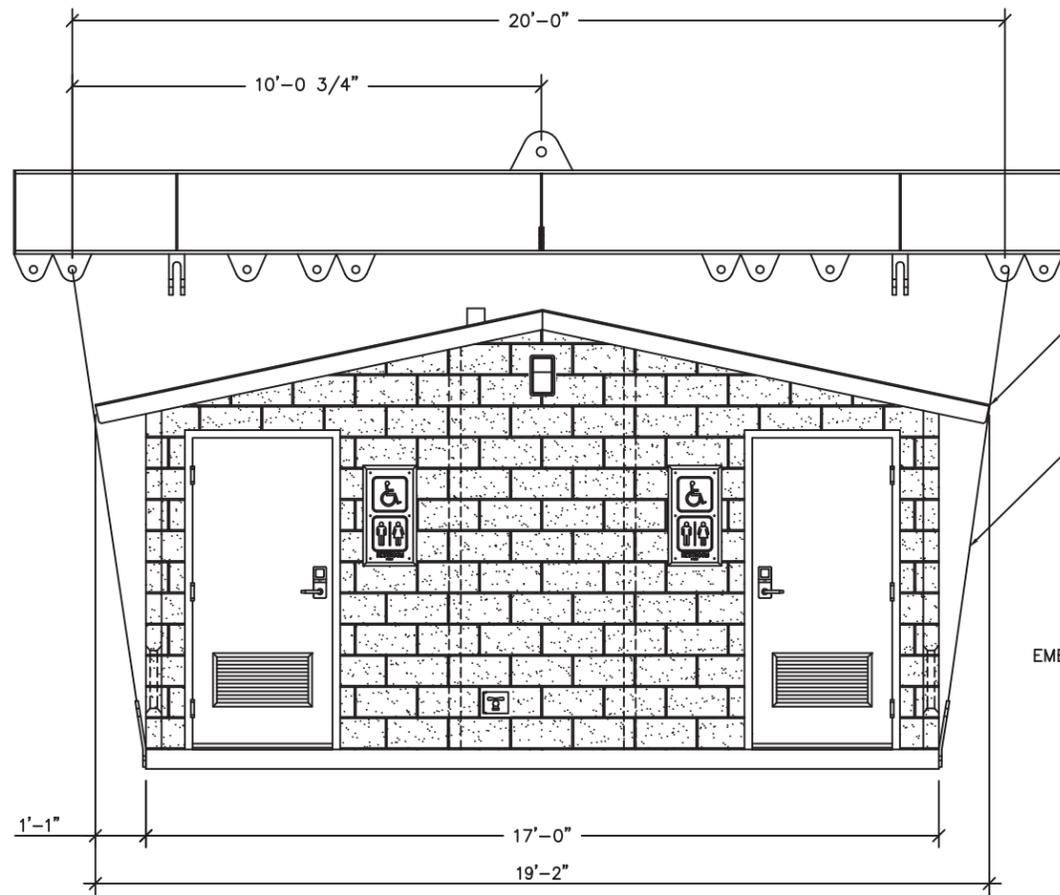
ROOF TEXTURE: RIBBED METAL
ROOF COLOR: CHARCOAL GRAY

TRIM PAINT: DTM ALKYD ENAMEL BROWN
SEALER: 2K ANTI-GRAFFITI
PACKAGE: STANDARD

REV.	DESCRIPTION	APPROVAL	DATE
SCALE	1/4" = 1'-0"	DATE	5-12-2023
DRAWN	G.OGG	FILE NO.	CR-1724
CHECKED	MCT	PLOT	48

COVER SHEET

DWG NO.	SHEET	REV.
CR-01	1/22	0

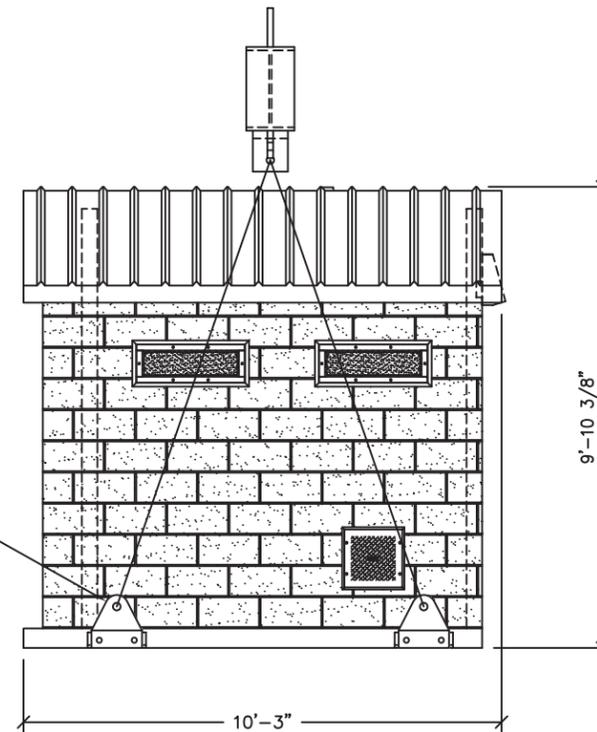


FRONT ELEVATION

SOFTENER REQUIRED TO PREVENT SPALLING (TYP 4 PLCS)

HOISTING CABLE SLINGS W/ LOCKING SHACKLE @ TOP
MINIMUM CABLE TENSILE CAPACITY = 7 TON

PS-22 LIFTING EYE ATTACH TO AS-3 EMBEDS W/(2) 1 1/2" DIA. HIGH TENSILE COIL BOLTS (SHEAR CAPACITY = 18,000# BOLT)



RIGHT SIDE ELEVATION



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RIGGING DETAIL

DWG NO.	SHEET	REV.
CR-02	2 22	0

SHIPPING WEIGHTS AND DIMENSIONS

WEIGHT	LENGTH	WIDTH	HEIGHT
44,000	19'-2"	10'-3"	9'-11"

DOOR SCHEDULE

	TYPE	FRAME	DOOR SIZE	MATERIAL	DOOR PREP/LATCH	VENTILATION
A	SINGLE	3/0 x 6/8 x 3-3/4"	3/0 x 6/8 x 1-3/4"	GALVANIZED	LH REVERSE - MORTISE LATCH	LOUVER
	GLAZING	STOP	SWEEP	THRESHOLD	HINGES	KICK PLATE
	N/A	HAGER 230W	PEMCO P18062CP36B	PEMCO 170A36	PBB SPRING HINGE 4-1/2" x 4 1/2" STD. WEIGHT 26D FINISH	HAGER 190S 8"x34" US32D
B	SINGLE	3/0 x 6/8 x 3-3/4"	3/0 x 6/8 x 1-3/4"	GALVANIZED	RH REVERSE - MORTISE LATCH	LOUVER
	GLAZING	STOP	SWEEP	THRESHOLD	HINGES	KICK PLATE
	N/A	HAGER 230W	PEMCO P18062CP36B	PEMCO 170A36	PBB SPRING HINGE 4-1/2" x 4 1/2" STD. WEIGHT 26D FINISH	HAGER 190S 8"x34" US32D
C	SINGLE	3/0 x 6/8 x 3-3/4"	3/0 x 6/8 x 1-3/4"	GALVANIZED	LH REVERSE - DEADBOLT - PASSAGE LATCH	N/A
	GLAZING	STOP	SWEEP	THRESHOLD	HINGES	KICK PLATE
	N/A	HAGER 230W	PEMCO P18062CP36B	PEMCO 170A36	PBB SPRING HINGE 4-1/2" x 4 1/2" STD. WEIGHT 26D FINISH	HAGER 190S 8"x34" US32D

- ALL EXTERIOR DOORS AND WINDOWS TO BE LISTED AND LABELED AS COMPLIANT WITH AAMA/WDMA/CSA101/1.S.2/A440 OR TESTED PER ASTM E330.
- DOOR HARDWARE SHALL NOT REQUIRE TIGHT PINCHING OR TWISTING OF THE WRIST OR SPECIAL KNOWLEDGE TO OPERATE.
- UNLATCHING OF ANY DOOR SHALL NOT REQUIRE MORE THAN ONE OPERATION,

LIGHTING AND VENTILATION REQUIREMENTS

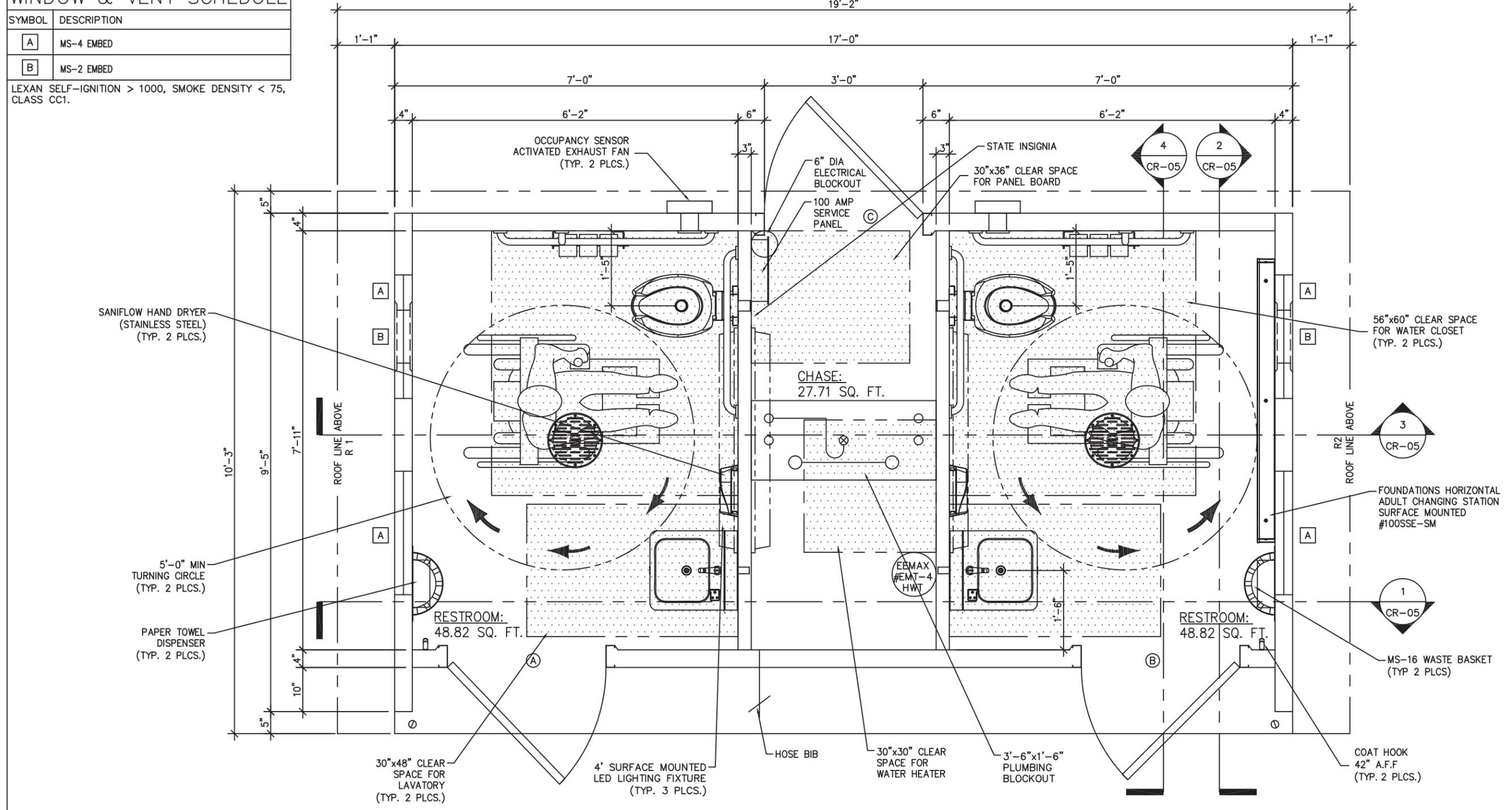
AREA	RESTROOM	CHASE
REQUIRED VENTILATION	48.82 SQ FT	27.71 SQ FT
PROVIDED VENTILATION	1.95 SQ FT	1.11 SQ FT
REQUIRED NATURAL LIGHTING	22.81 SQ FT	20.00 SQ FT
PROVIDED NATURAL LIGHTING	3.91 SQ FT	2.22 SQ FT
	1.96 SQ FT ***	0.00 SQ FT ***

***ARTIFICIAL LIGHTING PROVIDED TO MEET REQUIRED FOOT CANDLES.

WINDOW & VENT SCHEDULE

SYMBOL	DESCRIPTION
A	MS-4 EMBED
B	MS-2 EMBED

LEXAN SELF-IGNITION > 1000, SMOKE DENSITY < 75, CLASS CC1.



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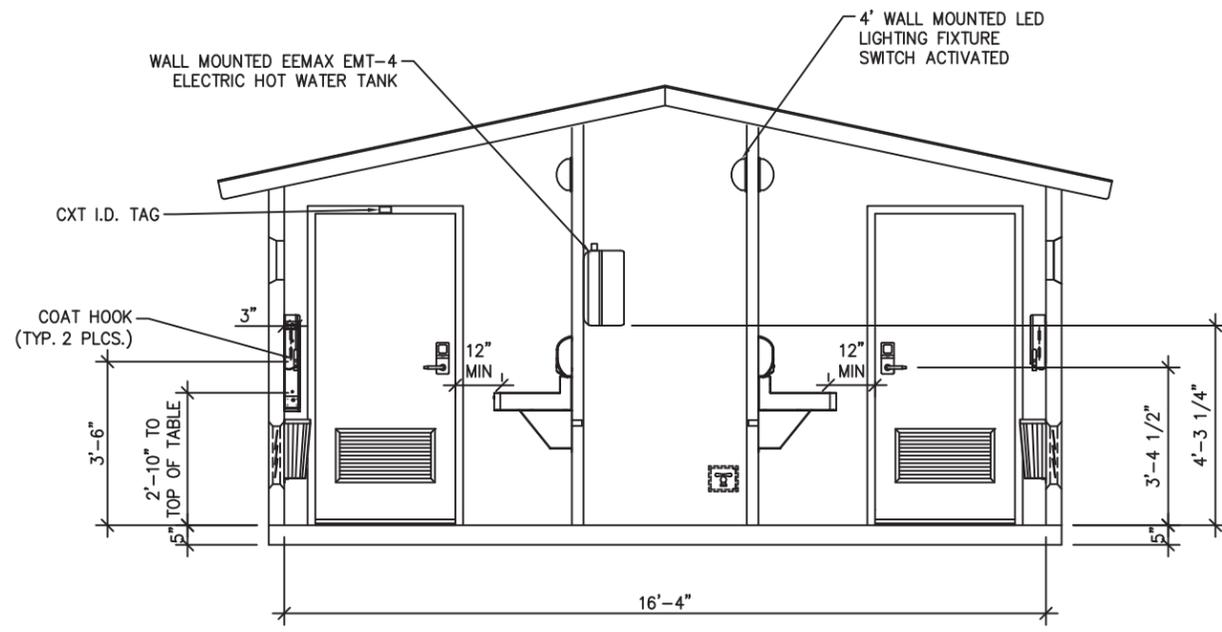
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CHECKED	MCT	PLOT	24

FLOOR PLAN

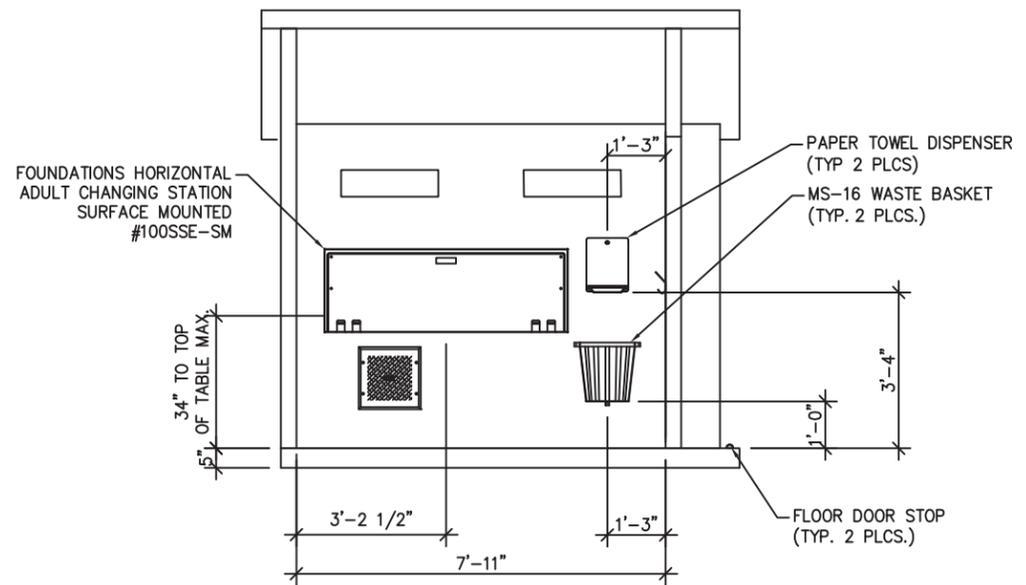
DWG NO. CR-03

SHEET 3 / 22

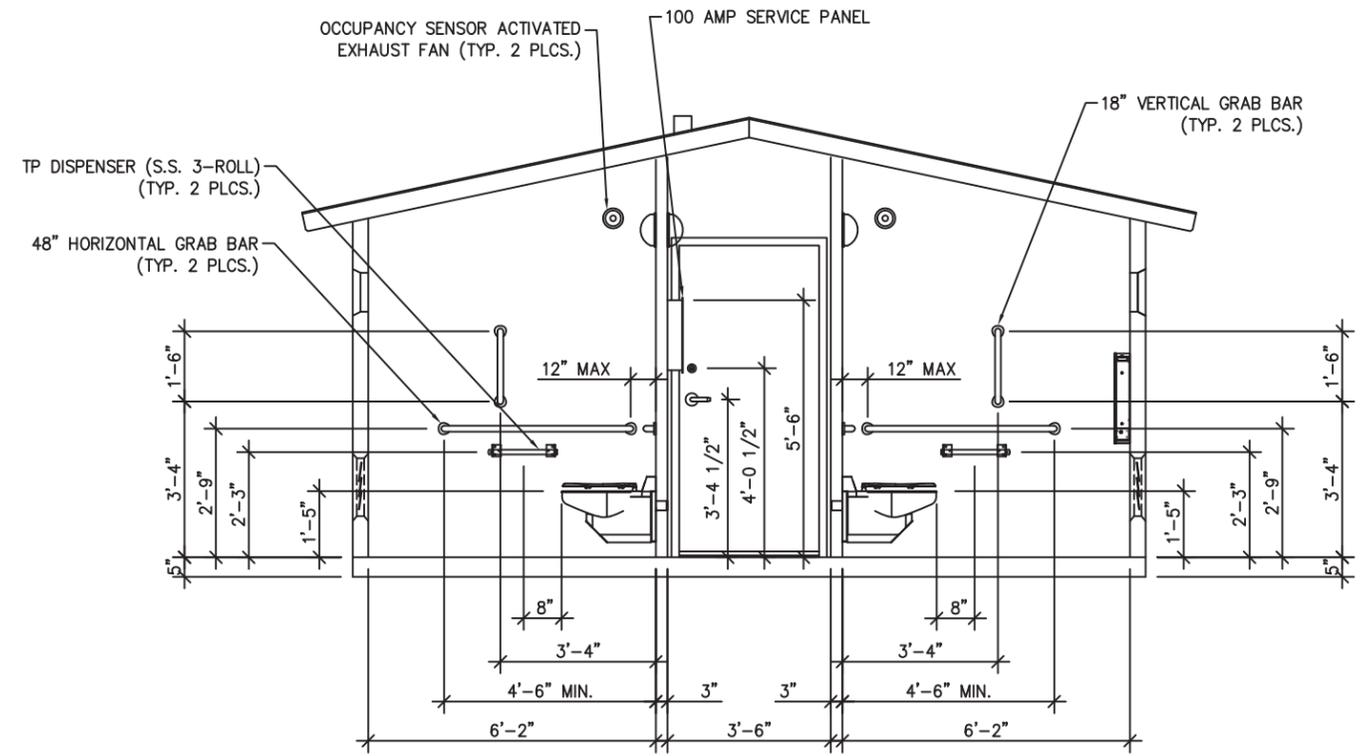
REV. 0



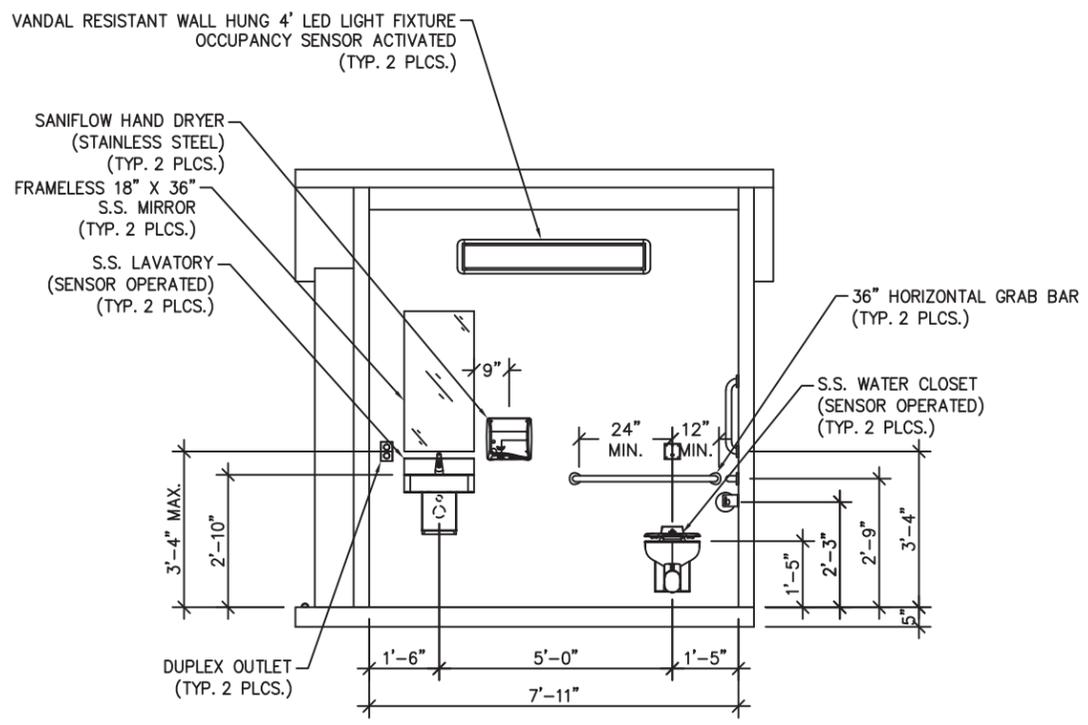
1 INTERIOR ELEVATION - FRONT WALL



2 INTERIOR ELEVATION - EXTERIOR WALL



3 INTERIOR ELEVATION - REAR WALL

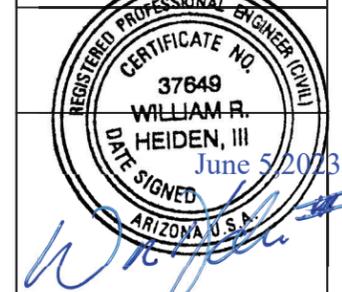


4 INTERIOR ELEVATION - INTERIOR WALL

MATERIALS	
ITEM	QTY
COAT HOOK	2
FLOOR DOOR STOP	2
TP DISPENSER	2
TOILET PAPER ROLL	6
CXT I.D. TAG	1
48\"/>	

CU. FT. CONC.	SQ. FT. W.W.F.
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APPROXIMATE WEIGHT



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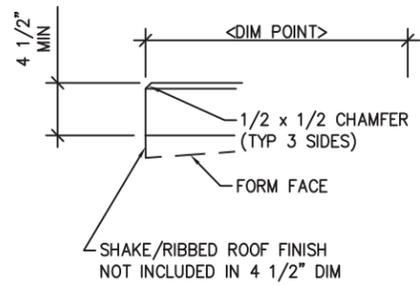
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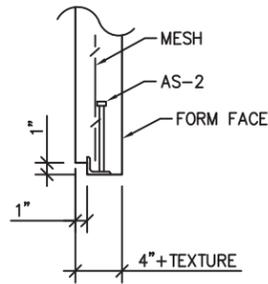
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INTERIOR ELEVATIONS

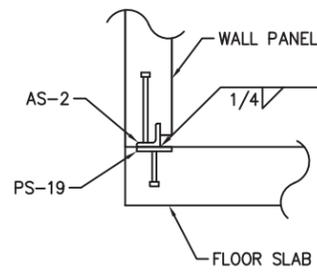
DWG. NO.	SHEET	REV.
CR-05	5	0
	22	



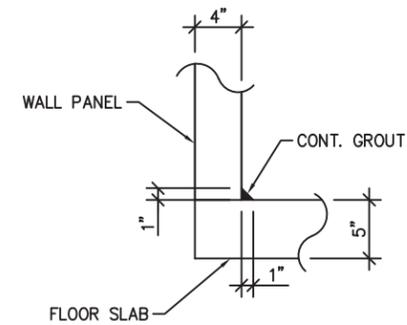
1 TYPICAL ROOF SLAB EDGE
SCALE: 3/4"=1'-0"



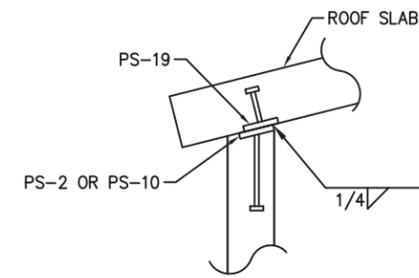
2 AS-2 CAST DETAIL
SCALE: 3/4"=1'-0"



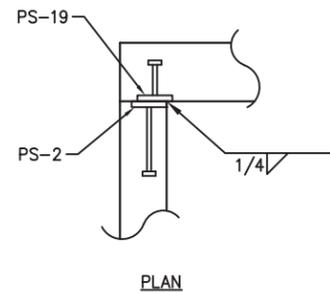
3 TYPICAL WALL TO FLOOR SLAB WELDED CONNECTION
SCALE: 3/4"=1'-0"



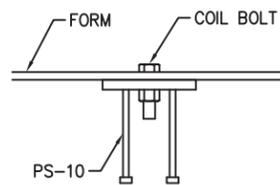
4 TYPICAL WALL TO FLOOR SLAB JOINT DETAIL
SCALE: 3/4"=1'-0"



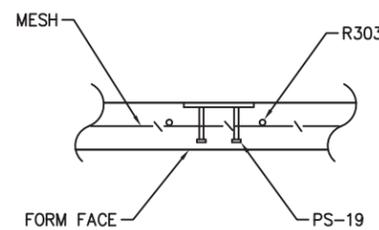
5 TYPICAL WALL TO ROOF SLAB WELDED CONNECTION
SCALE: 3/4"=1'-0"



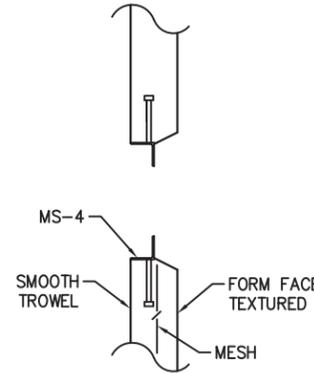
6 TYPICAL WALL TO WALL PANEL WELDED CONNECTION
SCALE: 3/4"=1'-0"



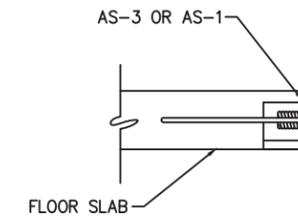
7 PS-10 CASTING DETAIL
SCALE: 1"=1'-0"



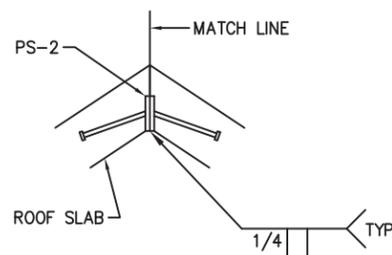
8 PS-19 CASTING DETAIL
SCALE: 3/4"=1'-0"



9 MS-4 EMBED CASTING DETAIL
SCALE: 3/4"=1'-0"



10 FLOOR LIFT PLATE DETAIL
SCALE: 3/4"=1'-0"



11 ROOF PEAK WELDMENT DETAIL
SCALE: 3/4"=1'-0"



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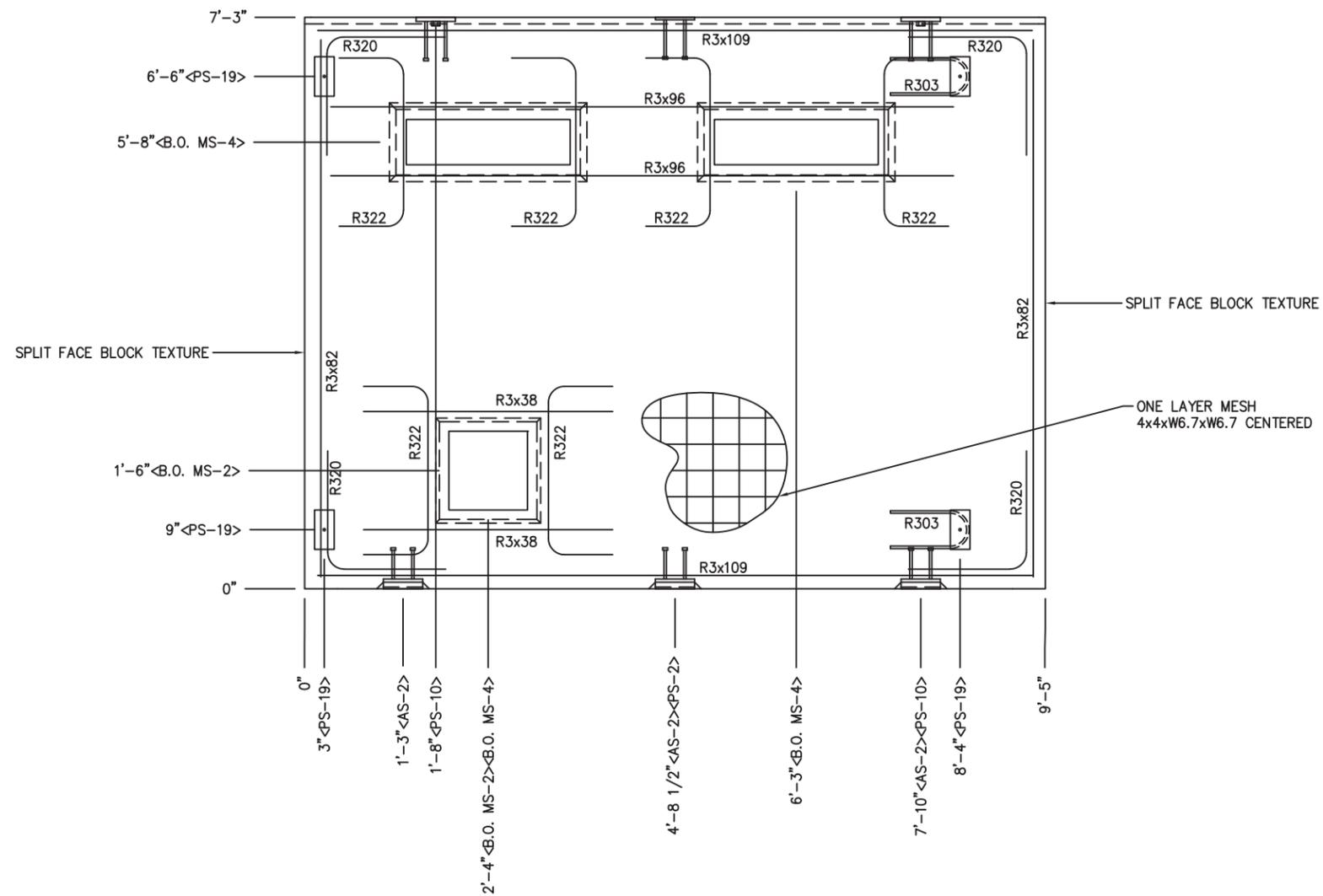
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CASTING DETAILS

DWG NO.	SHEET	REV.
CR-06	6	0
	22	

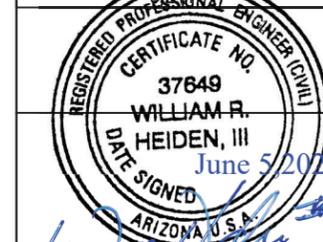


NOTES:
 1. EXCEPT R303, R322, R3x96 & R3x38 REINFORCING BARS TO BE PLACED IN PAIRS, ONE BAR ON EACH FACE OF PANEL W/ 3/4" MIN. COVER

EMBEDDED MATERIALS	
ITEM	QTY
AS-2	3
PS-2	1
PS-10	2
PS-19	4
R303	2
R320	8
R3x82	4
R3x109	4
R322	6
R3x38	2
R3x96	2
B.O. MS-2	1
B.O. MS-4	2

CU. FT. CONC. 21.63 (0.80)	SQ. FT. W.W.F. 68.3
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APPROXIMATE WEIGHT



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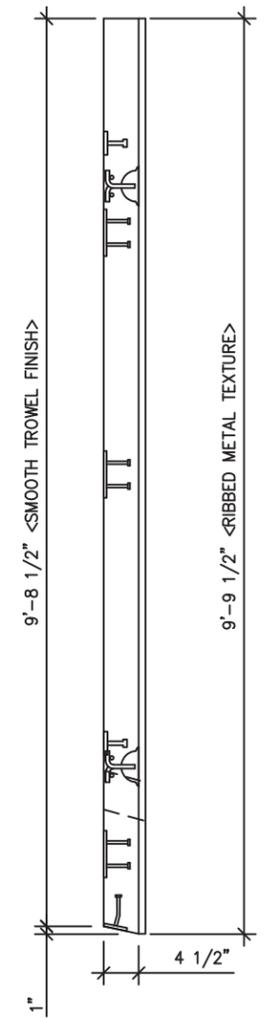
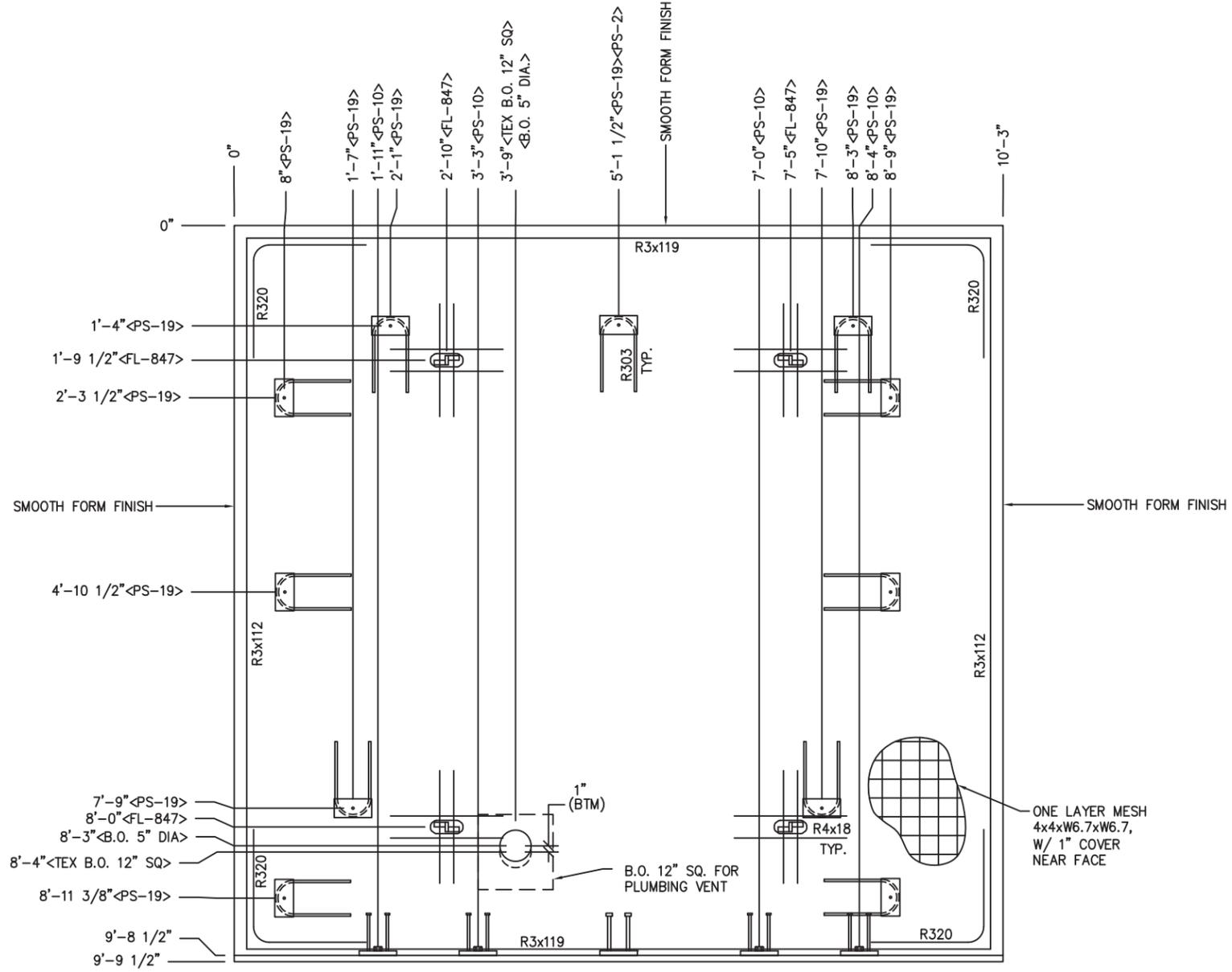
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WALL PANEL
 MARK W4

DWG. NO. CR-10	SHEET 10 22	REV. 0
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- NOTES:**
- EXCEPT R303 & R4x18, REINFORCING BARS TO BE PLACED IN PAIRS, ONE BAR ON EACH FACE OF PANEL W/ 1 1/4" MIN. COVER
 - BARS R4x18 TO BE PLACED W/ 1 1/4" COVER NEAR FACE.
 - ALL OTHER REBAR TO BE CENTERED IN PANEL.

EMBEDDED MATERIALS	
ITEM	QTY
FL-847	4
PS-2	1
PS-19	11
R303	11
R320	8
R3x112	4
R3x119	4
PS-10	4
R4x18	16
B.O. 5" DIA	1
TEX B.O. 12" SQ	1

CU. FT. CONC. 39.4 (1.46)	SQ. FT. W.W.F. 200.7
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ROOF SLAB MARK R1	
DWG. NO. CR-14	SHEET 14 22
REV. 0	

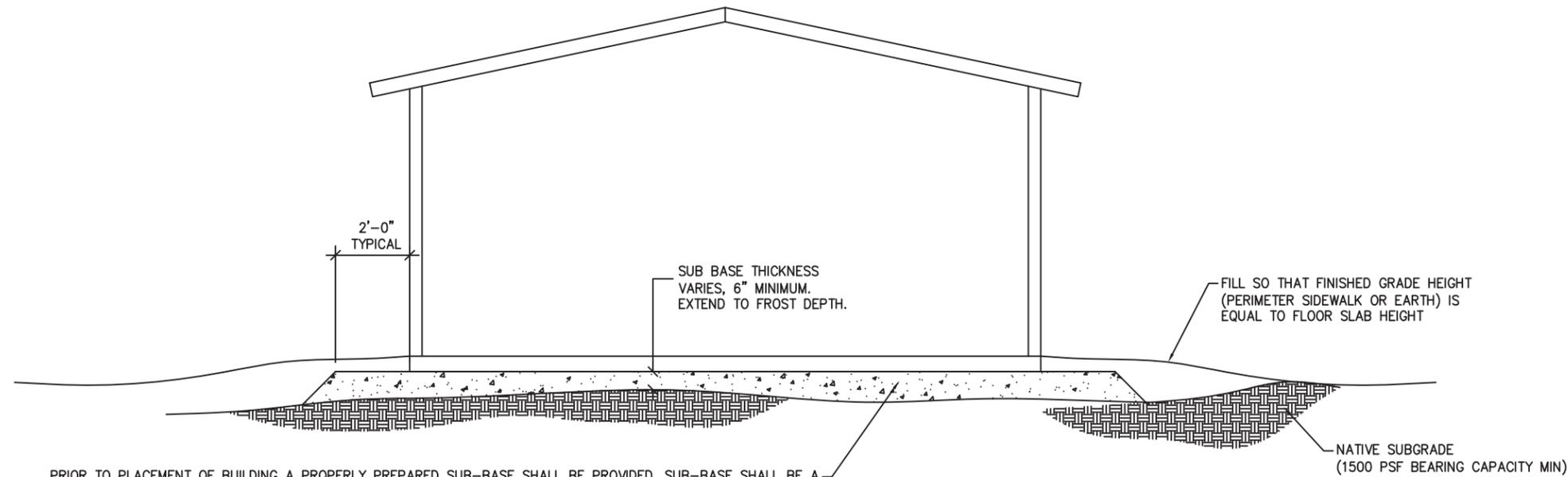
NOTE:

THIS FACTORY ASSEMBLED BUILDING, AS CONSTRUCTED, PROVIDES A RIGID BOX TYPE STRUCTURAL SYSTEM. VERTICAL LOADS ARE TRANSFERRED PRIMARILY THROUGH BEARING WALLS TO THE STRUCTURAL SLAB FLOOR OF THE BUILDING. THE VERTICAL LOADS ARE THEN DISTRIBUTED THROUGH THE REINFORCED CONCRETE FLOOR TO THE PREPARED GRANULAR, NON-FROST SUSCEPTIBLE (NFS) SUB-BASE WHICH DISTRIBUTES THE VERTICAL LOADS IN RELATIVELY UNIFORM FASHION TO THE NATIVE SUB-GRADE. AS WITH MOST CONSTRUCTION, THIS DOES REQUIRE THE NATIVE SUB-GRADE TO BE STRIPPED OF VEGETATION AND TOP SOIL PRIOR TO PLACEMENT OF THE PREPARED GRANULAR SUB-BASE. DUE TO THE INHERENT STIFFNESS OF THE BUILDING, IT WILL REMAIN SAFE AND STRUCTURALLY SOUND IN THE UNLIKELY EVENT OF FREEZING ACTION BELOW THE BUILDING REGARDLESS OF NATURAL FREEZE/ THAW CYCLES ANTICIPATED TO BE ENCOUNTERED IN THE STATE OF ARIZONA.

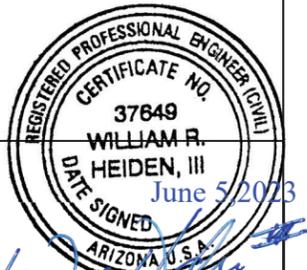
LATERAL LOADS ARE TRANSFERRED TO THE GROUND THROUGH FRICTIONAL RESISTANCE WITHOUT SLIDING OR SHIFTING BETWEEN THE BUILDING FLOOR SLAB AND THE PREPARED SOIL AND GRAVEL SUB-BASE ON WHICH THE BUILDING RESTS. SEISMIC ANALYSES ARE BASED ON LOADS DETERMINED IN ACCORDANCE WITH THE INTERNATIONAL BUILDING CODE USING PARAMETERS, WHICH MEET OR EXCEED THE CODE PRESCRIBED REQUIREMENTS FOR THIS INSTALLATION.

THIS BUILDING AS DESIGNED, RESTING ON A PROPERLY PREPARED GRANULAR SUB-BASE WILL BE SAFE AND STRUCTURALLY SOUND FOR VERTICAL AND LATERAL LOADS AS DISCUSSED ABOVE. A FULL DEPTH FOUNDATION WALL AT THE BUILDING PERIMETER AND AN ANCHORAGE SYSTEM, TYPICAL FOR OTHER TYPES OF BUILDING CONSTRUCTION, ARE NOT REQUIRED FOR THIS BUILDING.

THE "FOUNDATION" FOR THIS STRUCTURE IS ESSENTIALLY THE COMBINATION OF THE COMPACTED SUB-BASE MATERIAL AND THE BUILDING'S REINFORCED SLAB. THE COMBINATION OF THE COMPACTED SUB-BASE MATERIAL AND THE BUILDING'S REINFORCED SLAB NEED TO BE AT LEAST 12" THICK AND THE COMPACTED SUB-BASE MATERIAL SHALL EXTEND BELOW THE LOCAL FROST DEPTH



PRIOR TO PLACEMENT OF BUILDING A PROPERLY PREPARED SUB-BASE SHALL BE PROVIDED. SUB-BASE SHALL BE A MINIMUM OF 6" THICK AND CONSIST OF ¾" MINUS CRUSHED ROCK (ROAD BASE MATERIAL) COMPACTED TO 95% OF OPTIMUM DENSITY IN ACCORDANCE WITH ASTM D 1557. FINISHED SURFACE OF SUB-BASE SHALL BE FLAT AND LEVEL, WITH A MAXIMUM DEVIATION OF -½", +0" FROM A TRUE HORIZONTAL PLANE. REFER TO BUILDING HANDLING SHEET FOR SUB-BASE REQUIREMENTS DURING BUILDING PLACEMENT. (PREPARED SUB-BASE NOT BY CXT).



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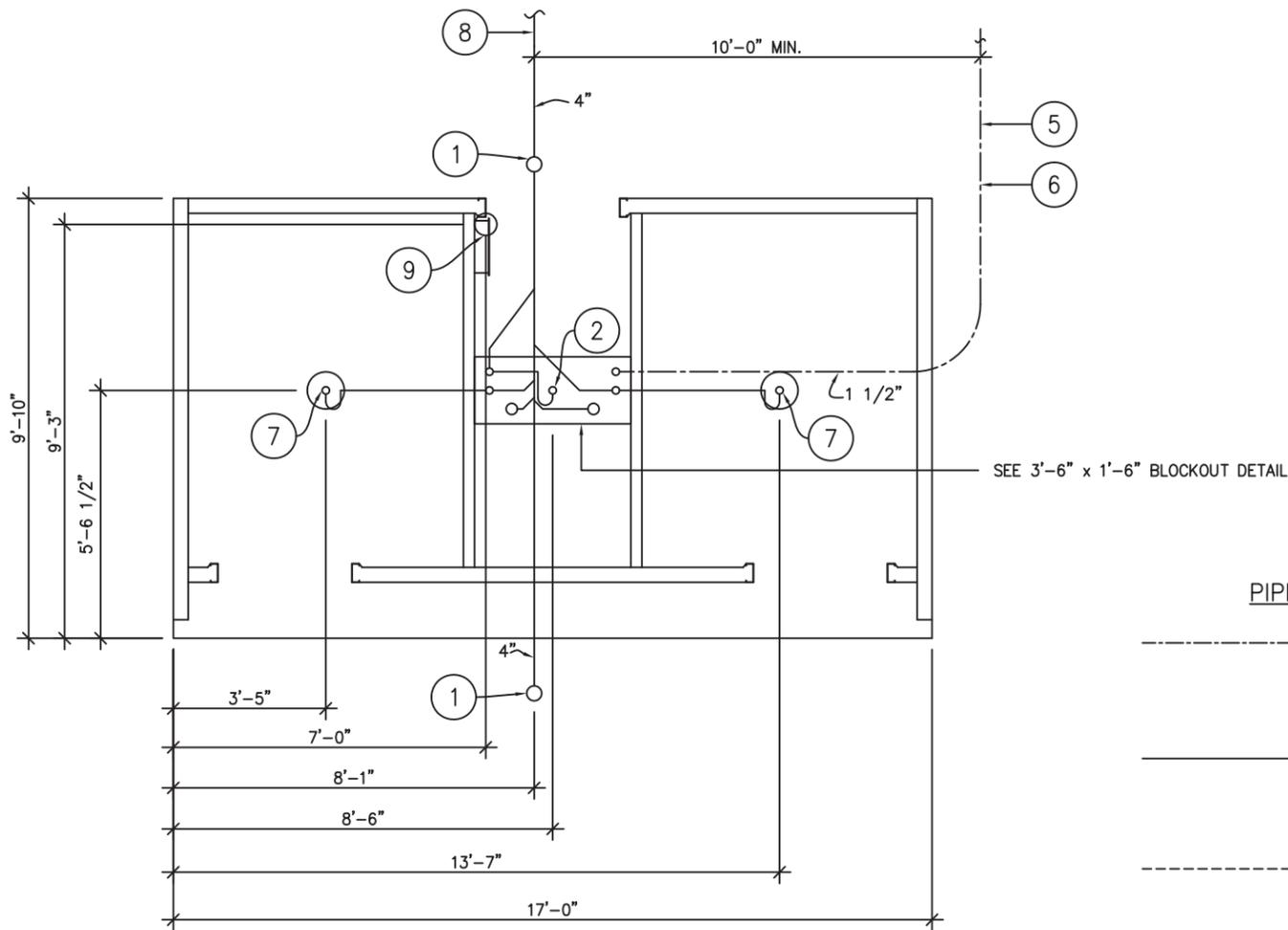
PROJECT TITLE
CORTEZ
BUILDING NUMBER CR-1724

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DRAWN	G.OGG	FILE NO.	CR-1724
CHECKED	MCT	PLOT	48

FOUNDATION DETAIL

DWG NO.	SHEET	REV.
CR-16	16 / 22	0



FLOOR DRAIN BLOCKOUTS & BELOW FLOOR PIPING

ALL PIPING INDICATED ON THIS SHEET IS NOT BY CXT

BELOW FLOOR PIPING – KEY NOTES

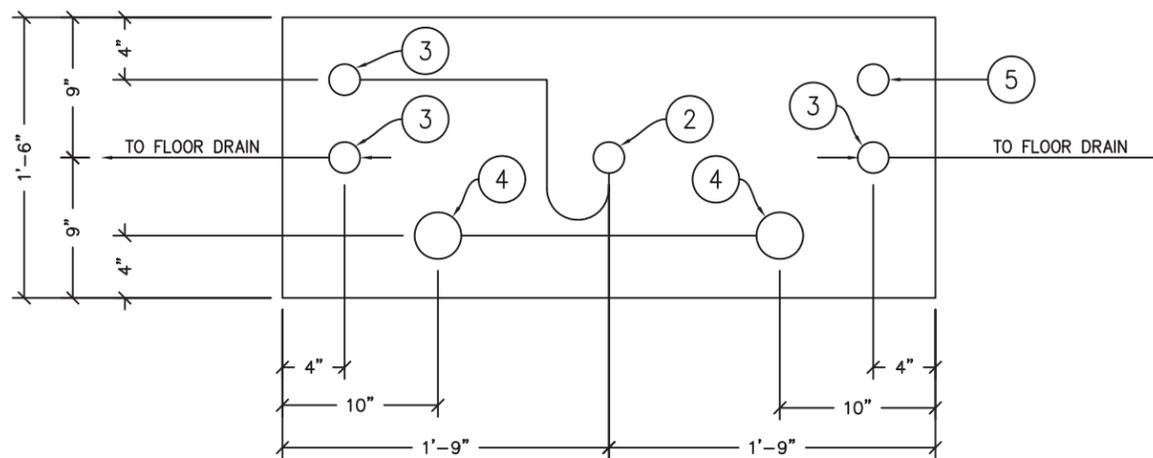
1. 4" CLEAN OUT TO GRADE.
2. 2" FLOOR DRAIN. FIELD INSTALLED TRAP SEAL SYSTEM IF REQUIRED BY AUTHORITY HAVING JURISDICTION. (3'-6" x 1'-6" BLOCK-OUT)
3. 2" VENT PIPES EXTENDED 12" ABOVE FINISHED FLOOR LEVEL, PROVIDE TEST PLUG. (3'-6" x 1'-6" BLOCK-OUT)
4. 3" WASTE PIPE EXTENDED 12" ABOVE FINISHED FLOOR LEVEL, PROVIDE TEST PLUG. (3'-6" x 1'-6" BLOCK-OUT)
5. 1 1/2" TYPE "K" OR "L" ANNEALED "SOFT" COPPER WATER SERVICE EXTENDED 12" ABOVE FINISHED FLOOR LEVEL, PROVIDE CAP AT END. (3'-6" x 1'-6" BLOCK-OUT)
6. MIN. BURY PER LOCAL REQUIREMENTS TO PROTECT AGAINST FREEZING AND DAMAGE.
7. 2" FLOOR DRAIN. FIELD INSTALLED TRAP SEAL SYSTEM IF REQUIRED BY AUTHORITY HAVING JURISDICTION. (10" BLOCK-OUT)
8. 30" MIN. BURY, PROVIDE TRACER TAPE.
9. ELECTRICAL STUB UP, (6" DIA. BLOCK-OUT)

PIPING LEGEND

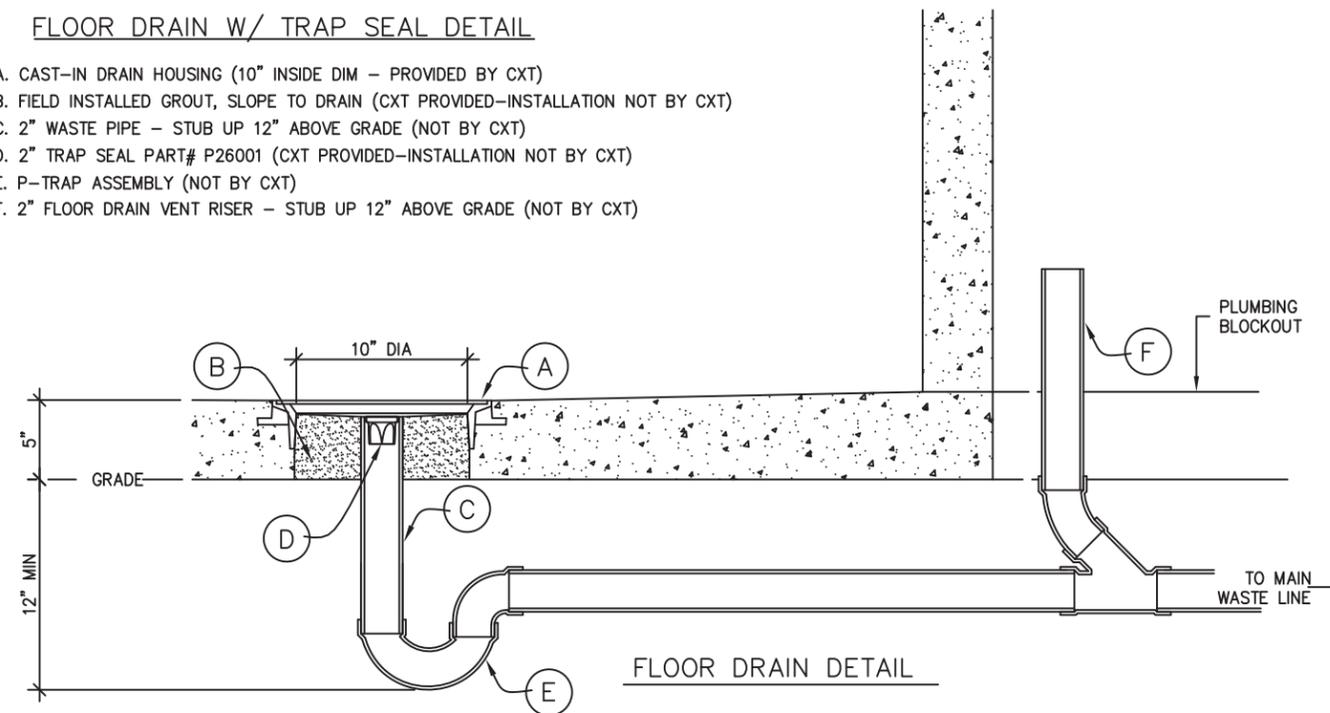
- 1 1/2" WATER SERVICE, ANNEALED "SOFT" COPPER, ASTM B88, TYPE "K" OR "L"
- BELOW FLOOR WASTE PIPING: SCH 40 PVC, ASTM D2665, TYPE DWV
- BELOW FLOOR VENT PIPING: SCH 40 PVC, ASTM D2665, TYPE DWV

FLOOR DRAIN W/ TRAP SEAL DETAIL

- A. CAST-IN DRAIN HOUSING (10" INSIDE DIM – PROVIDED BY CXT)
- B. FIELD INSTALLED GROUT, SLOPE TO DRAIN (CXT PROVIDED-INSTALLATION NOT BY CXT)
- C. 2" WASTE PIPE – STUB UP 12" ABOVE GRADE (NOT BY CXT)
- D. 2" TRAP SEAL PART# P26001 (CXT PROVIDED-INSTALLATION NOT BY CXT)
- E. P-TRAP ASSEMBLY (NOT BY CXT)
- F. 2" FLOOR DRAIN VENT RISER – STUB UP 12" ABOVE GRADE (NOT BY CXT)



3'-6" x 1'-6" BLOCKOUT DETAIL



FLOOR DRAIN DETAIL



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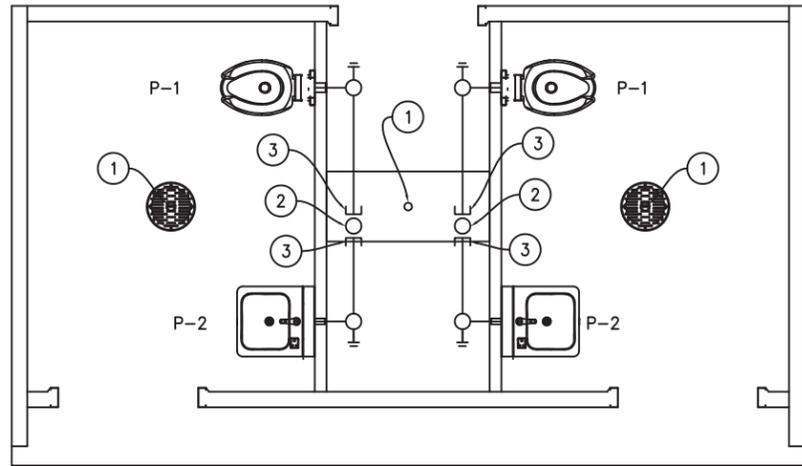
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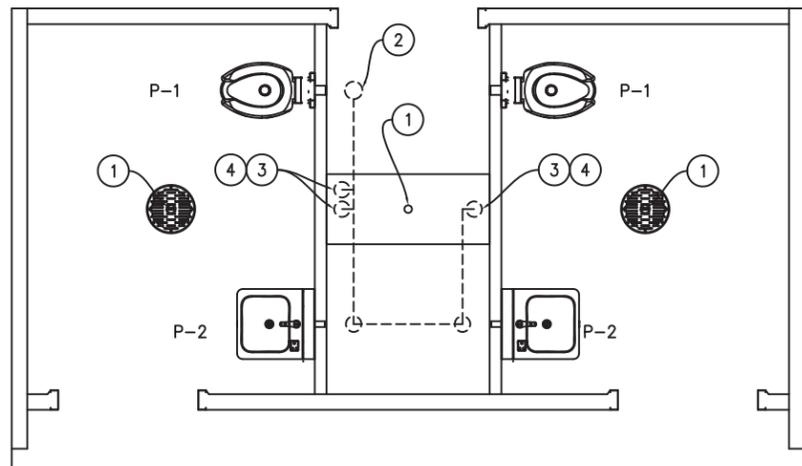
FLOOR DRAIN LOCATIONS AND BELOW FLOOR PIPING

DWG. NO.	SHEET	REV.
CR-17	17	0
	22	



WASTE PIPING

- WASTE PIPING – KEY NOTES**
1. 2" FLOOR DRAIN, FIELD INSTALLED (NOT BY CXT)
 2. 3" WASTE THROUGH FLOOR, FIELD INSTALLED (NOT BY CXT)
 3. PROVIDE TEST PLUG IN END OF WASTE PIPE. CONTINUATION OF PIPING IS FIELD INSTALLED & NOT BY CXT.

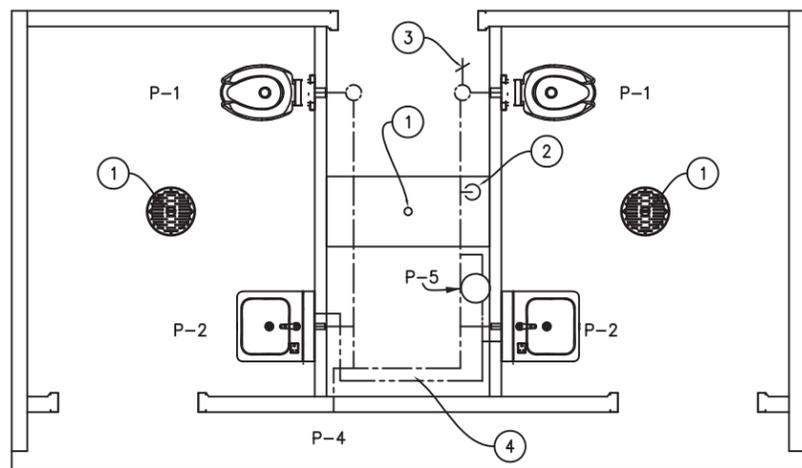


VENT PIPING

- VENT PIPING – KEY NOTES**
1. 2" FLOOR DRAIN, FIELD INSTALLED (NOT BY CXT)
 2. 3" VENT THROUGH ROOF.
 3. 2" VENT WITH TEST PLUG.
 4. FIELD INSTALLED 2" VENT PIPING FROM FLOOR DRAINS. (NOT BY CXT)

PIPING LEGEND

- COLD WATER; COPPER, ASTM B88, TYPE "K" OR "L"
- HOT WATER; COPPER, ASTM B88, TYPE "K" OR "L"
- VENT PIPING; SCH 40 PVC, ASTM D2665, TYPE DWV
- WASTE PIPE; SCH 40 PVC, ASTM D2665, TYPE DWV
- FIELD PIPING; (NOT BY CXT)



WATER PIPING

- WATER PIPING – KEY NOTES**
1. 2" FLOOR DRAIN, FIELD INSTALLED
 2. FIELD INSTALLED 1-1/2" WATER SUPPLY WITH SHUT-OFF VALVE NEAR FLOOR.
 3. 3/4" HOSE BIB WITH VACUUM BREAKER AND WHEEL HANDLE.
 4. WATER PIPING ALONG WALL, SEE DIAGRAM ON SHEET CR-19.

SPECIAL NOTES:			
1.	TOTAL FIXTURE COUNT :	(4)	
2.	FLOWING PRESSURE:	45 PSI MIN, 80 PSI MAX	
3.	TOTAL DEVELOPED LENGTH =	31'-2"	

*APPROXIMATE DISTANCE FROM THE SOURCE TO THE FARTHEST FIXTURE



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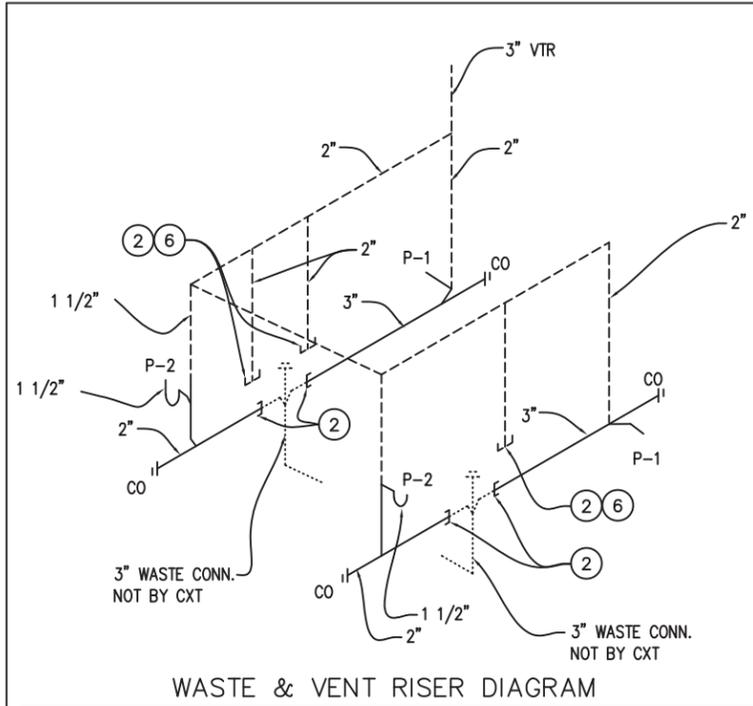
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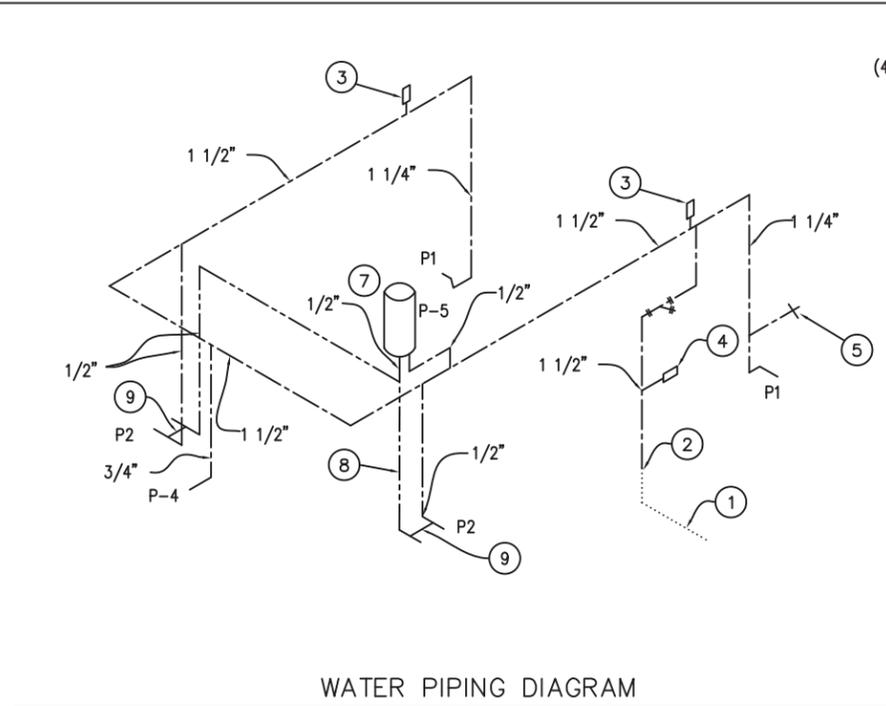
WATER, WASTE & VENT
PIPING PLANS & NOTES

DWG NO.	SHEET	REV.
CR-18	18 / 22	0



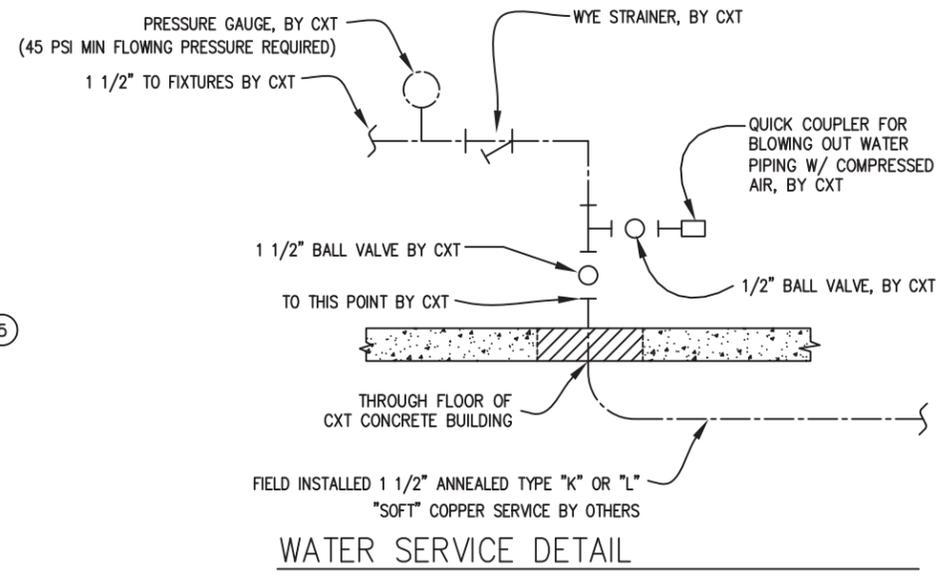
WASTE & VENT RISER DIAGRAM

NTS



WATER PIPING DIAGRAM

NTS



WATER SERVICE DETAIL

NTS

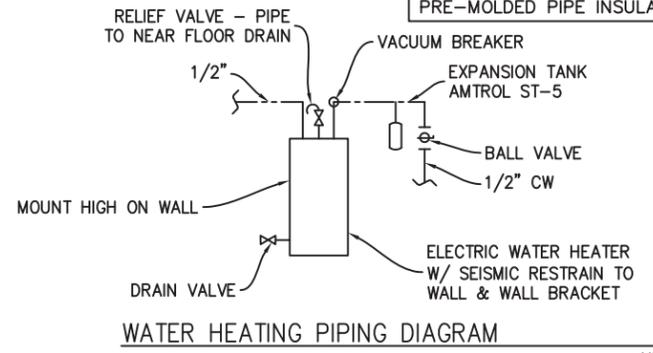
NOTES:

- 1-1/2" COLD WATER THRU FLOOR, NOT BY CXT.
- TO THIS POINT BY CXT.
- ASSE 1010 WATER HAMMER ARRESTOR SIOUX CHIEF HYDRA-RESTOR #654-C OR EQUAL
- 1/2" AIR QUICK CONNECTION W/ BALL VALVE FOR BLOWING OUT WATER PIPING.
- 3/4" HOSE BIBB W/ SCREW ON VACUUM BREAKER
- 2" VENTS FOR FLOOR DRAINS.
- ELECTRIC WATER HEATER. SEE DIAGRAM
- INSULATE HOT WATER PIPING FROM HTR TO FIXTURE W/ 1" (R-3.6) PRE-MOLDED FIBERGLASS PIPE
- ASSE 1070 WATER TEMPERATURE LIMITING DEVICE.
- PROVIDE SHUT-OFF VALVES ON COLD AND HOT WATER SUPPLY FOR EACH FIXTURE.

PIPING LEGEND

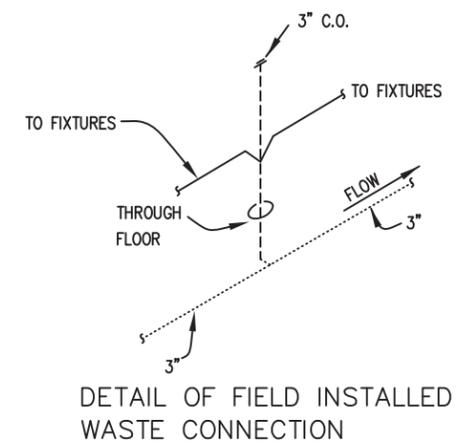
- COLD WATER; COPPER, ASTM B88, TYPE "K" OR "L"
- HOT WATER; COPPER, ASTM B88, TYPE "K" OR "L"
- VENT PIPING; SCH 40 PVC, ASTM D2665, TYPE DWV
- WASTE PIPE; SCH 40 PVC, ASTM D2665, TYPE DWV
- FIELD PIPING; (NOT BY CXT)
- WYE STRAINER

NOTE:
INSULATE HW PIPING WITH 1" (R3.6) PRE-MOLDED PIPE INSULATION WITH ASJ



WATER HEATING PIPING DIAGRAM

NTS



DETAIL OF FIELD INSTALLED WASTE CONNECTION

NTS

SYM	DESCRIPTION	MANUFACTURER	CXT PART NUMBER	FLUSH VL/FAUCET	SUPPLIES	QTY	HW	CW	WASTE	VENT	SUPPLIES / NOTES
P-1	WATER CLOSET (SENSOR)	ACORN	PENAL-WARE 1680 SERIES 1680-W-1	SLOAN "OPTIMA" #152-1.6 ES-S	SLOAN EL-154	2		1-1/4"	3"	2"	1. SENSOR ACTIVATED FLUSH VALVES. 2. MOUNT RIM AT 17" ABOVE FLOOR. 3. USE CLOSET GASKET JG13534 AND Z1203 FINISH KIT
P-2	LAVATORY (SENSOR)	ACORN	PENAL-WARE 1652 SERIES 2652-1-BP-04-M	SLOAN "ETF-610"	SLOAN EL-154	2	1/2"	1/2"	1-1/2"	1-1/2"	1. HAMMER ARRESTOR JRS520-T-C, FLOOR DRAIN S2005A025NBLP 2. 1/2X15 COMP ANG LAV BSCR1915AC 3. 3 PC COVER SET PF202WH.
P-3											
P-4	HOSE BIB	PRIER	WALL HYDRANT: C-63N10 HYDRANT BOX C-634BX1 GASKET: C-634			1	-	3/4"	-	-	
P-5	WATER HEATER	EEMAX	EMT-4			1	1/2"	1/2"	-	-	1. 4 GALLON 120V WALL MOUNTED WATER HEATER. PROVIDE GFCI OUTLET IN CHASE PER MF'R RECOMMENDATIONS.
P-6											
P-7	FLOOR DRAIN	TRAVIS SIOUX CHIEF (CHASE)	54960-CXT 840-2A			2 1	- -	- -	2" 2"	2"	1. 2" TRAP SEAL PART# P26001 (QTY 3)



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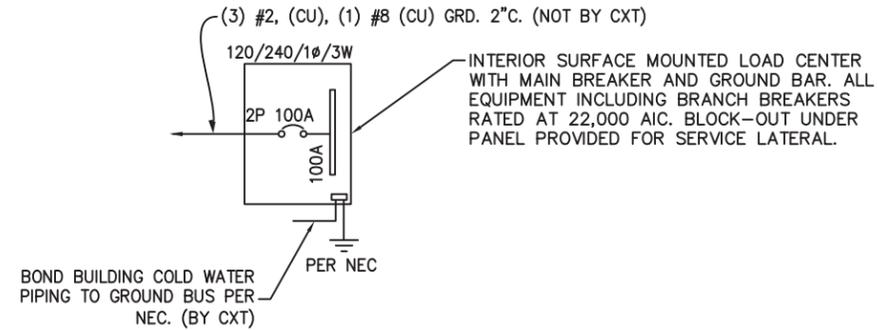
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CHECKED	MCT	PLOT	48

PLUMBING SCHEDULE,
DIAGRAMS & NOTES

DWG. NO.	SHEET	REV.
CR-19	19 / 22	0



ONE-LINE POWER DIAGRAM
NTS

GENERAL ELECTRICAL NOTES

- RECESSED JUNCTION BOXES FOR SINGLE DEVICES SHALL HAVE SINGLE GANG MUD RINGS CAST IN CONCRETE WALLS.
- ALL RECEPTACLES SHALL BE GFCI PROTECTED BY CIRCUIT BREAKERS OR BY OTHER GFCI RECEPTACLES
- ALL CONDUIT SHALL BE 3/4" MINIMUM, EXPOSED CONDUIT SHALL BE EMT, RECESSED SHALL BE PVC.
- INSTALL ALL WIRING IN CONDUIT OR RELATED ENCLOSURES.
- ALL ELECTRICAL INSTALLATIONS SHALL MEET THE 2017 NATIONAL ELECTRIC CODE.
- MINIMUM WIRE SIZE SHALL BE #12 AWG COPPER, THHN INSULATION UNLESS NOTED OTHERWISE.
- ROUTE ALL CONDUITS IN UTILITY ROOM AT CEILING OR FACE OF WALLS.
- ELECTRICAL DRAWINGS ARE DIAGRAMMATIC IN NATURE AND MAY NOT SHOW EXACT LOCATIONS OF DEVICES, REFER TO WALL PANEL AND OTHER DRAWINGS FOR EXACT LOCATIONS OF J-BOXES, ETC.
- PROVIDE CIRCUIT BREAKER LOCKOUT TAB FOR HAND DRYER.
- ALL CONDUCTORS AND CABLES MUST BE PROPERLY TERMINATED IN APPROVED BOXES, BEFORE CONNECTING THE CIRCUIT TO THE BREAKER AND BEFORE RECEIVING FINAL INSPECTION APPROVAL IN THE FACTORY.

PANEL SCHEDULE												
AMP _____ 100		PANEL		TOTAL CONNECTED VA LOAD _____ 4,645								
SURFACE MOUNT		120/240V, 1P, 3W		TOTAL CALCULATED VA LOAD _____ 4,937								
CIRCUIT					LOAD							
NO.	DESCRIPTION	OCP	TYPE (VA)	(A)	PH.	NO.	DESCRIPTION	OCP	TYPE (VA)	(A)		
1	PHOTO CONTROLLED EXTERIOR LIGHTS	1P/20A	C	28	0.2	A	2	CHASE RECEPTACLE	1P/20A	R	180	1.5
3	CHASE LIGHT	1P/20A	N	25	0.2	B	4	RESTROOM #1 LIGHT & FAN	1P/20A	N	116	1.0
5	RESTROOM #2 LIGHT & FAN	1P/20A	N	116	1.0	A	6	RESTROOM RECEPTACLES	1P/20A	N	360	3.0
7	EEMAX WATER HEATER GFCI OUTLET	1P/20A	R	1,400	11.7	B	8	RESTROOM #1 HAND DRYER	1P/20A	L	1,140	9.5
9	RESTROOM #2 HAND DRYER	1P/20A	N	1,140	9.5	A	10	PLUMBING SENSORS	1P/20A	R	140	1.2
11						B	12					
13						A	14					
15						B	16					
17						A	18					
19						B	20					

LOAD	CONNECTED	CALCULATED
(C)ONTINUOUS	28 x1.25	35 VA
(R)EC (1ST 10KVA)	1720 x1.00	1720 VA
(N)ON-CONTINUOUS	1,757 x1.00	1,757 VA
(L)ARGEST MOTOR	1,140 x1.25	1,425 VA
TOTAL LOAD	4,645	4,937 VA
		20.6 AMPS

NOTE: MAXIMUM ALLOWABLE AIC IS 22K AMPS, PANEL MODIFICATIONS WILL BE REQUIRED (NOT BY CXT) IF TRANSFORMER CAPACITY EXCEEDS 175 KVA.

LIGHTING FIXTURE SCHEDULE				
FIXTURE NUMBER	VOLTAGE	WATTS	DESCRIPTION	
A	120	25	LUMINAIRE VPF84 INTERIOR LIGHT FIXTURE, VPF8 4FT NODIM 25W 40K MV CLP WHT WL 20CC SURFACE MOUNTED, LED LAMP 4 FT, WRAP AROUND LENS, LOW TEMPERATURE DRIVER, BUILT IN OCCUPANCY SENSOR ACTIVATED W/ ADDITIONAL OCCUPANCY SENSOR FOR FAN CONTROL	
B	120	14	SWOOP 610 LED EXTERIOR LIGHT, YWP610-14W HP-3500K-120-CP-BRZ-CAB/PC EXTERIOR, VANDAL RESISTANT, WALL MOUNTED, 14 WATT, CLEAR PRISMATIC LENS, BUILT IN PHOTOELECTRIC CONTROL	
C	120	25	LUMINAIRE VPF84 INTERIOR LIGHT FIXTURE, VPF8 4FT NODIM 25W 40K MVOLT CLP WHT WL SURFACE MOUNTED, LED LAMP 4 FT, WRAP AROUND LENS, LOW TEMPERATURE DRIVER, SWITCH ACTIVATED	

NOTE: THE SOURCE OF EFFICACY OF EXTERIOR LIGHTING IS TO BE A MINIMUM OF 45 LUMENS PER WATT

EXHAUST FAN SCHEDULE								
SYM	MFR	MODEL #	CFM	SONES	VOLTS	AMPS	WATTS	NOTES
EF-1	FANTECH	RVF-4XL	154	6.0	120	0.79	91	1

- NOTES:
- FANS LISTED FOR WET LOCATION, CONTROL VIA OCCUPANCY SENSOR. LOCATE OPEN FACE J-BOX ON EXTERIOR SIDE OF PANEL.



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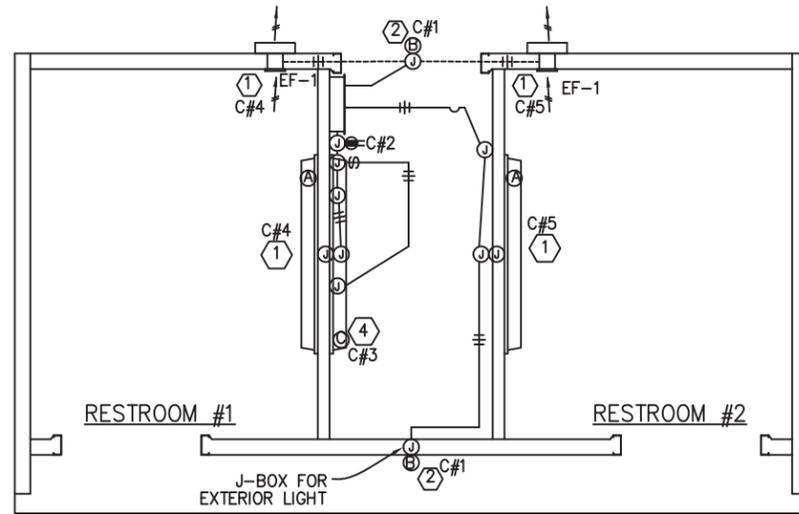
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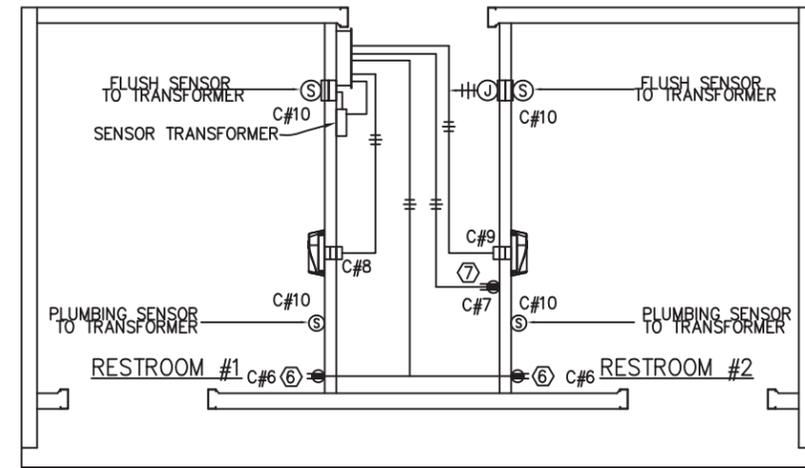
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ELECTRICAL NOTES
& SCHEDULES

DWG NO.	SHEET	REV.
CR-20	20 / 22	0



LIGHTING & EXHAUST FAN PLAN
N.T.S.



RECEPTACLE, WATER HEATER, HAND DRYER, & PLUMBING SENSORS PLAN
N.T.S.

KEY NOTES

- ① OCCUPANCY SENSOR CONTROLLED LIGHTS AND EXHAUST FANS.
- ② LIGHT FIXTURE TO BE CONTROLLED BY INTEGRAL PHOTOCELL.
- ③ NOT USED
- ④ CHASE LIGHT TO BE SWITCH ACTIVATED.
- ⑤ NOT USED.
- ⑥ GFCI OUTLET FOR RESTROOMS
- ⑦ GFCI OUTLET FOR WATER HEATER.

SYMBOLS LEGEND

- GFCI RECEPTACLE
- SWITCH
- JUNCTION BOX
- CIRCUIT NUMBER
- ELECTRIC PANEL
- WALL MOUNTED LED FIXTURE
- EXTERIOR LIGHT FIXTURE
- EXHAUST FAN (EF-1)
- SURFACE MOUNTED CONDUIT, CROSSHATCH OR SLASH AND NUMBER DENOTES WIRES, (ALL #12AWG UNO, UNLESS NOTED) ONE WIRE TO BE GROUND
- SURFACE MOUNTED CONDUIT
- CONCEALED CONDUIT
- HAND DRYER



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ELECTRICAL PLAN,
LEGEND & NOTES

DWG NO.	SHEET	REV.
CR-21	21 / 22	0

