

PROJECT SUMMARY

BUILDING AREA	972 GSF
OCCUPANCY TYPE	BUSINESS GROUP B
CONSTRUCTION TYPE	TYPE V B
AUTOMATIC FIRE SPRINKLER SYSTEM	FULLY SPRINKLERED

APPLICABLE CODES

TO THE BEST OF MY KNOWLEDGE, THESE DRAWINGS ARE COMPLETE, AND COMPLY WITH FBC 2010

THE DESIGN AND CONSTRUCTION OF THIS PROJECT SHALL COMPLY WITH THE FOLLOWING CODES AND STANDARDS. SHOULD THERE BE A CONFLICT BETWEEN ANY CODE REQUIREMENTS, COMPLY WITH THE REQUIREMENT THAT PROVIDES THE GREATEST DEGREE OF LIFE SAFETY.

- A. FBC (FLORIDA BUILDING CODE), 2014
 - 1. FBC--MECHANICAL
 - 2. NEC (NATIONAL ELECTRICAL CODE) 2008; FBC CHAPTER 27
 - 3. FBC-ACCESSIBILITY
 - 4. FBC REFERENCES-CHAPTER 35
- B. FLORIDA FIRE PREVENTION CODE 5th EDITION , INCLUDING
 - 1. NFPA 1-2012
 - 2. NFPA 101-2012
- C. UL FIRE RESISTANCE DIRECTORY 2015
- D. FEDERAL REQUIREMENTS INCLUDING:
 - 1. OSHA (OCCUPATIONAL SAFETY & HEALTH ADMINISTRATION, US DEPARTMENT OF LABOR, CFR 29 AS REVISED JULY 1995
- E. CONSTRUCTION, ALTERATION AND DEMOLITION SHALL COMPLY WITH NFPA 241.

SHEET NUMBER	SHEET TITLE	DRAWING REVISION NUMBER	DRAWING REVISION DATE
ARCHITECTURAL			
	COVER & INDEX	1,2	09.15.16
A-01	DEMOLITION FLOOR PLAN & RCP		
A-02	NEW FLOOR PLAN & RCP	1,2	09.15.16
A-03	FINISH & DOOR SCHEDULE, DETAILS		
A-04	INTERIOR ELEVATION & TYPICAL MOUNTING HEIGHTS	1,2	09.15.16
STRUCTURAL			
S-01	NEW SLAB LAYOUT	1	09.15.16
MECHANICAL			
M-01	MECHANICAL FLOOR PLAN	1	09.15.16
M-02	MECHANICAL SCHEDULE, NOTES & DETAILS	1	07.28.16
PLUMBING			
P-01	PLUMBING SANITARY & WATER FLOOR PLAN	1	09.15.16
P-02	PLUMBING SCHEDULE, NOTES & DETAILS		
ELECTRICAL			
E-01	NOTES, DETAILS & RISER DIAGRAMS	1	07.28.16
E-02	ELECTRICAL FLOOR PLAN & PANEL SCHEDULE	1	09.15.16
FIRE PROTECTION			
FP-01	FIRE PROTECTION	1	09.15.16

PROJECT SCOPE

THE SCOPE OF THIS PROJECT INCLUDES REMODELING APPROXIMATELY 700SF OF THE MEN'S AND WOMEN'S RESTROOMS AT THE CITY OF WEST PALM BEACH OPERATIONS AND MAINTENANCE COMPLEX BUILDING -2.

THE WORK TO BE COMPLETED WILL ENTAIL THE FOLLOWING:

- | | |
|---|--|
| <p>DEMOLITION:</p> <ul style="list-style-type: none"> • DEMOLITION OF DRYWALL PARTITIONS AND FINISHES • DEMOLITION OF DOORS • DEMOLITION OF EXISTING LOCKERS • DEMOLITION OF EXISTING FLOOR AND WALL TILE • DEMOLITION OF EXISTING CEILINGS • REMOVAL OF ALL TOILET PARTITIONS • REMOVAL OF ALL PLUMBING AND ELECTRICAL FIXTURES • REMOVAL OF HVAC AND EQUIPMENT | <p>NEW WORK:</p> <ul style="list-style-type: none"> • NEW DRYWALL PARTITIONS AND CEILINGS • NEW DOORS • NEW LOCKERS • NEW FLOOR, WALL AND CEILING FINISHES • NEW TOILET PARTITIONS • NEW PLUMBING AND ELECTRICAL FINISHES • NEW HVAC AND EQUIPMENT |
|---|--|

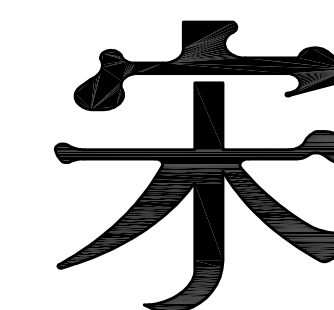
CITY OF WEST PALM BEACH,
FLORIDA

O & M COMPLEX BLDG #2
RESTROOMS RENOVATIONS

1045 CHARLOTTE AVE.
WEST PALM BEACH, FL 33401

BID DOCUMENTS
Sept. 16, 2016

S + A Project No. 15031



Song + Associates

Architecture • Planning • Interior Design

CONSULTANTS

STRUCTURAL :
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MEP :
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381 SE 10TH STREET
POMPANO BEACH, FL 33060

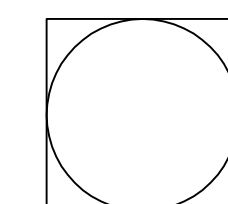
TEL: (954) 461-4314
EMAIL: BACH@BACHENGINEERS.COM

100% CONSTRUCTION DOCUMENTS

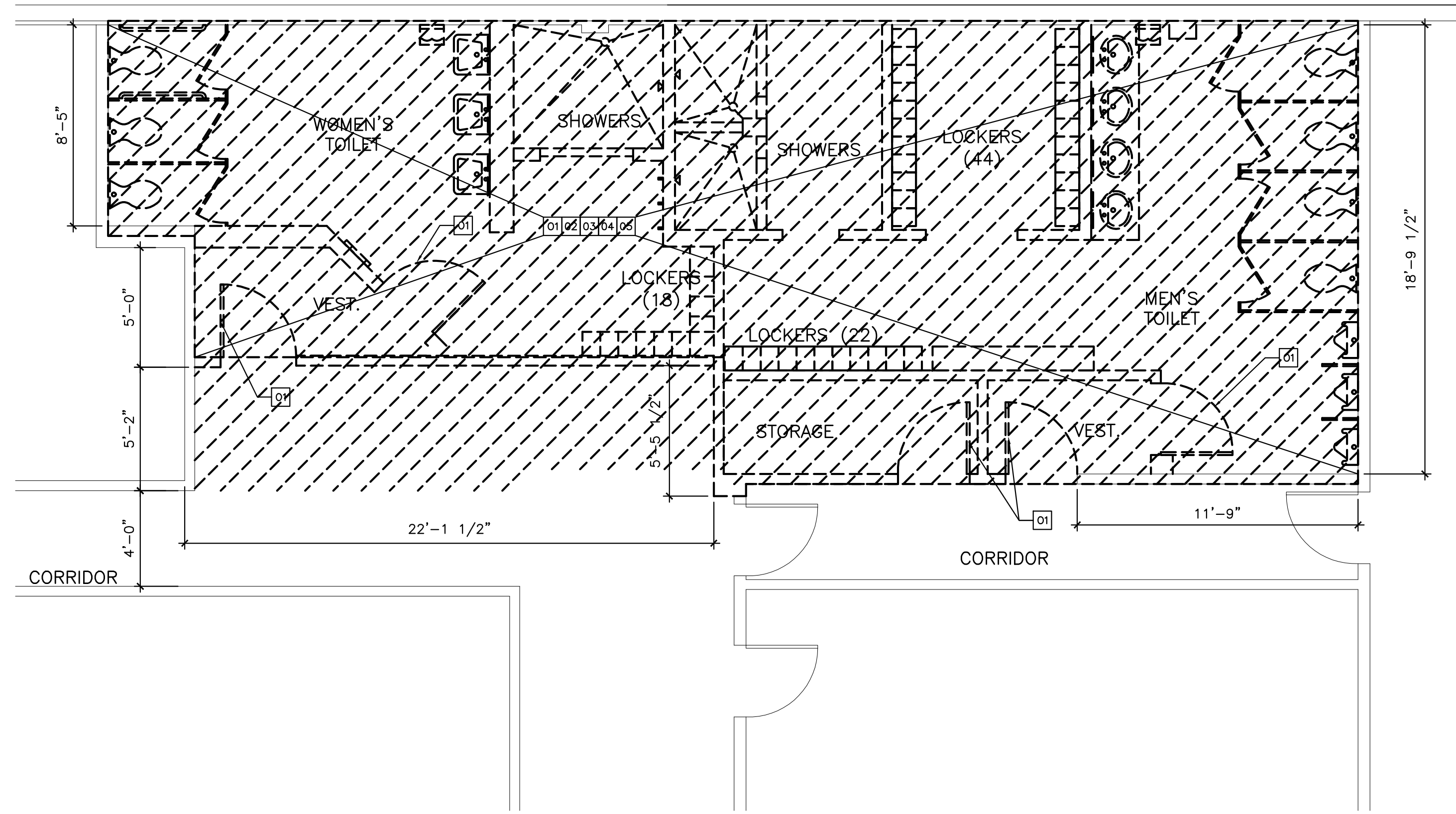
JUNE 3rd, 2016

Seal :

SET NO.



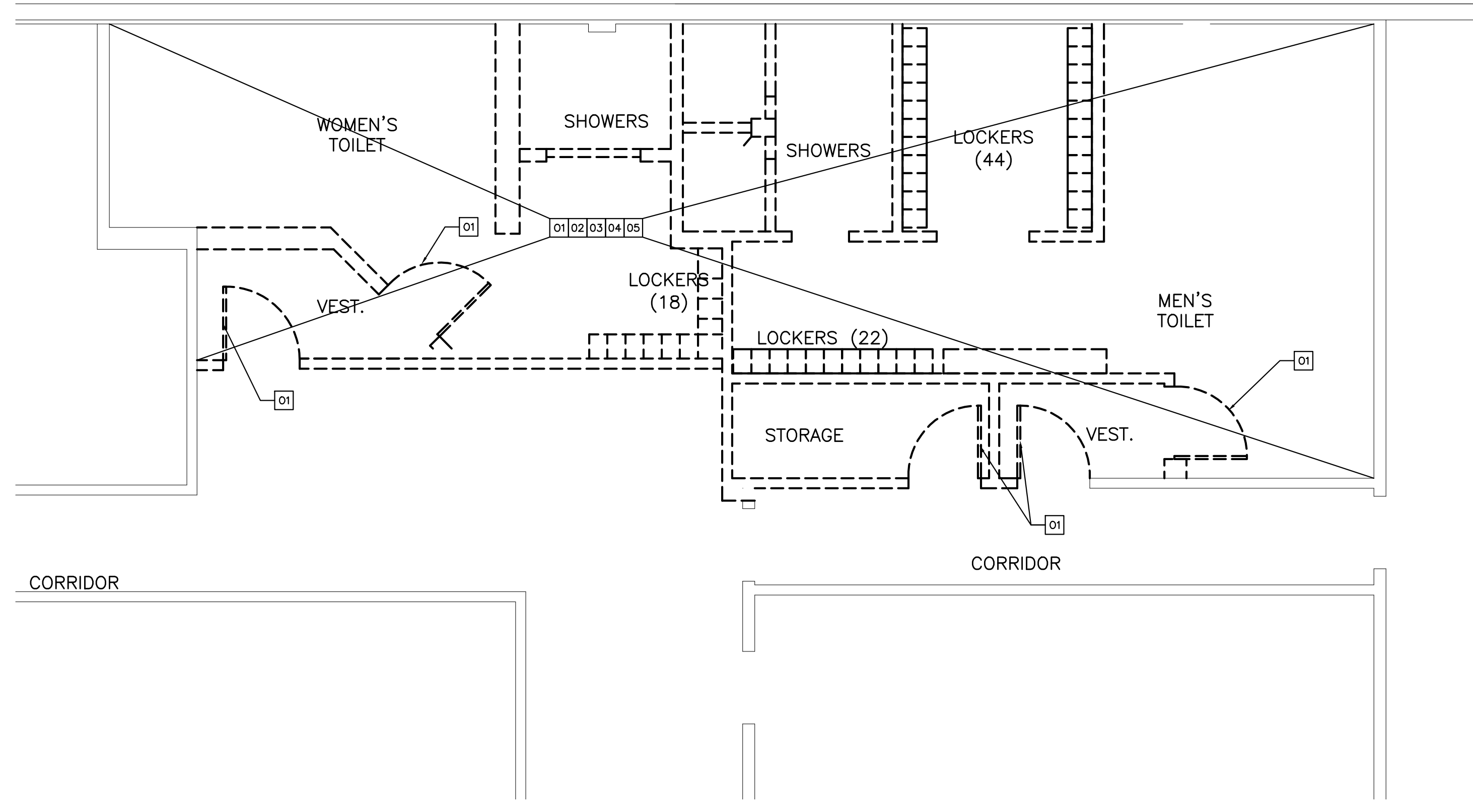
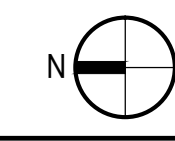
Name : PERRY DOUGLASS
License # : AR97112



DEMOLITION FLOOR PLAN

01

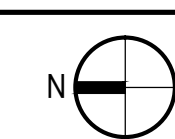
1/4" = 1'-0"



DEMOLITION REFLECTED CEILING PLAN

02

1/4" = 1'-0"



GENERAL NOTES

1. CONTRACTOR TO VERIFY EXISTING CONDITIONS.
2. THE DEMOLITION PLANS ARE DERIVED FROM EXISTING BUILDING PLANS AND ARE INTENDED TO REASONABLY REPRESENT EXISTING CONDITIONS. ILLUSTRATIONS, DIMENSIONS AND INFORMATION IN THESE DRAWINGS ARE BASED, IN PART, ON EXISTING DRAWINGS FURNISHED BY THE OWNER. ACTUAL CONDITIONS MAY DEVIATE FROM THAT SHOWN ON THE DRAWINGS. THE DEMOLITION KEY NOTES IDENTIFY SPECIFIC AREAS OF WORK BUT MAY NOT BE COMPLETE IN THE IDENTIFICATION OF ALL REMOVALS. THE CONTRACTOR SHALL VERIFY ACTUAL CONDITIONS AND COORDINATE THE DEMOLITION WITH NEW WORK SO THAT DEMOLITION IS COMPLETE.
3. REMOVE FROM SITE AS SOON AS PRACTICABLE DEMOLISHED MATERIALS, DEBRIS, AND RUBBISH. DO NOT ACCUMULATE DEBRIS ON THE FLOOR OR AT THE SITE. RECYCLE REMOVED CARPET, PADDING MATERIAL, STOREFRONT SYSTEM INCLUDING ALL GLASS PANELS.
4. PATCH AND REPAIR ALL EXISTING CEILINGS, PARTITIONS, AND FLOORS DISTURBED FOR NEW WORK AND FINISH.
5. PROVIDE A ZIP WALL AS DUST BARRIER ON ALL STRATEGIC AREAS OF CONSTRUCTION TO MINIMIZE DUST MIGRATION IN THE UNDISTURBED AREAS AS MUCH AS POSSIBLE.
6. ALL CONSTRUCTION PERSONNEL SHALL USE APPOINTED CONSTRUCTION ACCESSSES ONLY AS PER OWNER'S DIRECTION.
7. CONSTRUCTION NOISE SHALL BE KEPT TO A MINIMUM. UNNECESSARY NOISE IS NOT PERMITTED.
8. COORDINATE WITH OWNER THE DISPOSITION, MOVING OR RELOCATION OF ALL SIGNAGE, SALVAGEABLE EQUIPMENT AND RELATED APPURTENANCES.
9. THE GENERAL CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND EXISTING CONDITIONS PRIOR TO STARTING CONSTRUCTION. NOTIFY THE ARCHITECT OF ANY DISCREPANCIES OR ANY INCONSISTENCIES.
10. UPON COMPLETION OF THE WORK, PROPERTY AND ADJACENT AREAS SHALL BE LEFT CLEAN AND SATISFACTORY TO THE OWNER AND THE ARCHITECT.
11. CONTRACTOR SHALL BE RESPONSIBLE FOR CUTTING, PATCHING AND FITTING OF ALL WORK IN A NEAT WORKMANLIKE MANNER. PROTECT ALL ADJACENT SURFACES FROM DAMAGE. PATCH AND REPAIR ALL WORK DAMAGED DURING CONSTRUCTION TO ITS ORIGINAL OR BETTER CONDITION.
12. DIMENSIONS SHOWN ARE FROM EXISTING FINISHES TO FACE OF NEW METAL STUDS.

KEYED NOTES

DEMOLITION CODED NOTES

- 01 COMPLETELY REMOVE DOOR, HARDWARE AND FRAME
- 02 COMPLETELY DEMOLISH METAL STUD/ GWB WALL
- 03 COMPLETELY DEMOLISH ALL ELECTRICAL OUTLETS AND DEVICES
- 04 COMPLETELY REMOVE EXISTING TILES AND BASE TO SUBSTRATE IN HATCHED AREA.
- 05 COMPLETELY DEMOLISH SINKS, LOCKERS AND RESTROOM ACCESSORIES.

BID DOCUMENTS
 Sept. 16, 2016

LEGEND

- EXISTING WALL TO REMAIN
- EXISTING TO BE DEMOLISHED
- EXISTING TILE TO BE REMOVED TO EXTENT SHOWN - REFER TO KEYED NOTES FOR DETAILS.



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 Consultants :

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CITY OF WEST PALM BEACH, FLORIDA

O & M COMPLEX
 BLDG #2
 RESTROOMS
 RENOVATIONS

1045 CHARLOTTE AVE.
 WEST PALM BEACH, FL 33401
 Key Plan:

Revisions :

Date : 06/03/16
 S+A Project No : 15031
 Owner :
 Drawn By : WS
 Checked By : HC

Phase :
 100% CONSTRUCTION DOCUMENTS

Sheet Title :
 DEMOLITION FLOOR PLAN & REFLECTED CEILING PLAN

Sheet # :
 A-01

Seal :

Name : PERRY DOUGLASS
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Consultants :

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CITY OF WEST PALM BEACH, FLORIDA

O & M COMPLEX BLDG #2 RESTROOMS RENOVATIONS

1045 CHARLOTTE AVE.
WEST PALM BEACH, FL 33401

Key Plan:

Revisions :
 PERMIT COMMENTS 07.28.16
 PERMIT COMMENTS 09.15.16

Date : 06/03/16
 S+A Project No : 15031
 Owner :
 Drawn By : WS
 Checked By : HC

Phase :
 100% CONSTRUCTION DOCUMENTS

Sheet Title :
FLOOR PLAN & REFLECTED CEILING PLAN

Sheet # :

FLOOR PLAN KEY NOTES:

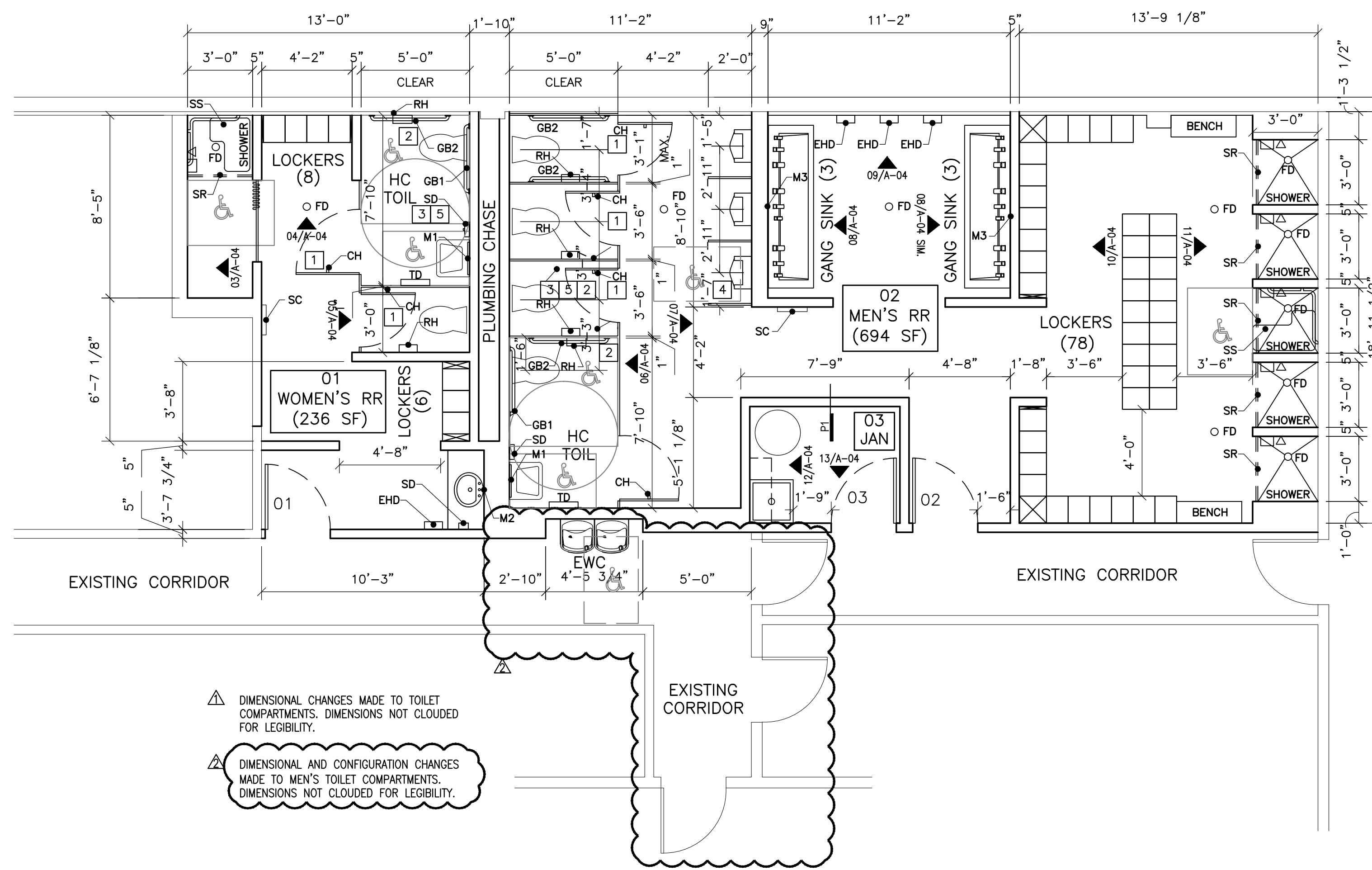
- 1 DOORS SHALL BE SELF CLOSING WITH PULLS ON BOTH SIDES AND OPERABLE PARTS MOUNTED BETWEEN 34"-48" ABOVE FINISH FLOOR.
- 2 Not Used
- 3 REFER TO MOUNTING DETAIL A09 ON SHEET A-04.
- 4 REFER TO MOUNTING DETAIL A10 ON SHEET A-04.
- 5 REFER TO MOUNTING DETAIL A11 ON SHEET A-04.

FLOOR PLAN GENERAL NOTES:

1. THE GENERAL CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND EXISTING CONDITIONS PRIOR TO STARTING CONSTRUCTION. NOTIFY THE ARCHITECT OF ANY DISCREPANCIES OR ANY INCONSISTENCIES.
2. UPON COMPLETION OF THE WORK, PROPERTY AND ADJACENT AREAS SHALL BE LEFT CLEAN AND SATISFACTORY TO THE OWNER AND THE ARCHITECT.
3. CONTRACTOR SHALL BE RESPONSIBLE FOR CUTTING, PATCHING AND FITTING OF ALL WORK IN A NEAT WORKMANLIKE MANNER. PROTECT ALL ADJACENT SURFACES FROM DAMAGE, PATCH AND REPAIR ALL WORK DAMAGED DURING CONSTRUCTION TO IT'S ORIGINAL OR BETTER CONDITION.
4. INSTALL TYPICAL PARTITION TYPE P1 (REFER TO SHEET A-03) UNLESS OTHERWISE NOTED
5. DIMENSION SHOWN ARE FROM EXISTING FINISHES TO FACE OF NEW MTL STUDS.

RESTROOM ACCESSORY LEGEND

GB1	1 1/2" DIAMETER GRAB BAR X 36" L
GB2	1 1/2" DIAMETER GRAB BAR X 42" L
GB3	1 1/2" DIAMETER GRAB BAR - TWO WALL 24" X 30" L
M1	STAINLESS STEEL MIRROR 18"W X 24"H
M2	MIRROR 36"W X 36"H
M3	MIRROR 82"W X 36"H
CH	COAT HOOK W/ BUMPER
EHD	ELECTRIC HAND DRYER. BASIS OF DESIGN: DYSON AIRBLADE
SC	SURFACE MOUNTED SEAT COVER DISPENSER
RH	SURFACE-MOUNTED TOILET TISSUE DISPENSER
TD	SURFACE-MOUNTED PAPER TOWEL DISPENSER
SD	SURFACE-MOUNTED SOAP DISPENSER: CONTRACTOR FURNISHED & INSTALLED
SR	SHOWER ROD/ VINYL CURTAIN/ HOOK
SS	REVERSIBLE FOLDING SHOWER SEAT
ST	SURFACE MOUNTED SOAP TRAY
TH	ROBE HOOK W/ CONCEALED MOUNTING
FD	FLOOR DRAIN TRAP
MS	WALL MOUNTED UTILITY SHELF W/ HOOKS MOP HOLDER
TP	TOILET PARTITION
US	URINAL SCREEN
EWC	ELECTRIC WATER COOLER



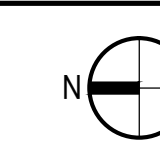
DIMENSIONAL CHANGES MADE TO TOILET COMPARTMENTS. DIMENSIONS NOT CLOUDED FOR LEGIBILITY.

DIMENSIONAL AND CONFIGURATION CHANGES MADE TO MEN'S TOILET COMPARTMENTS. DIMENSIONS NOT CLOUDED FOR LEGIBILITY.

FLOOR PLAN

01

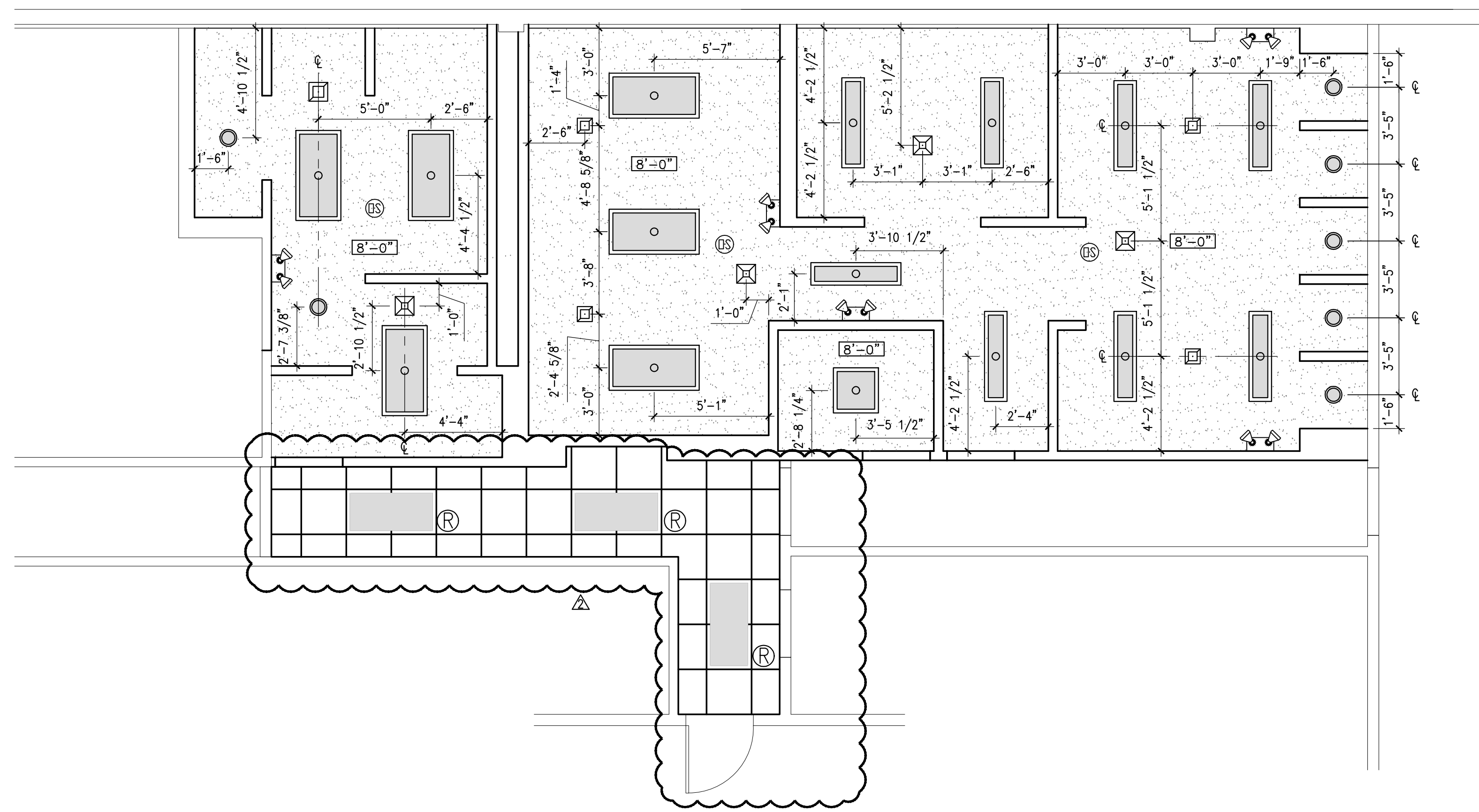
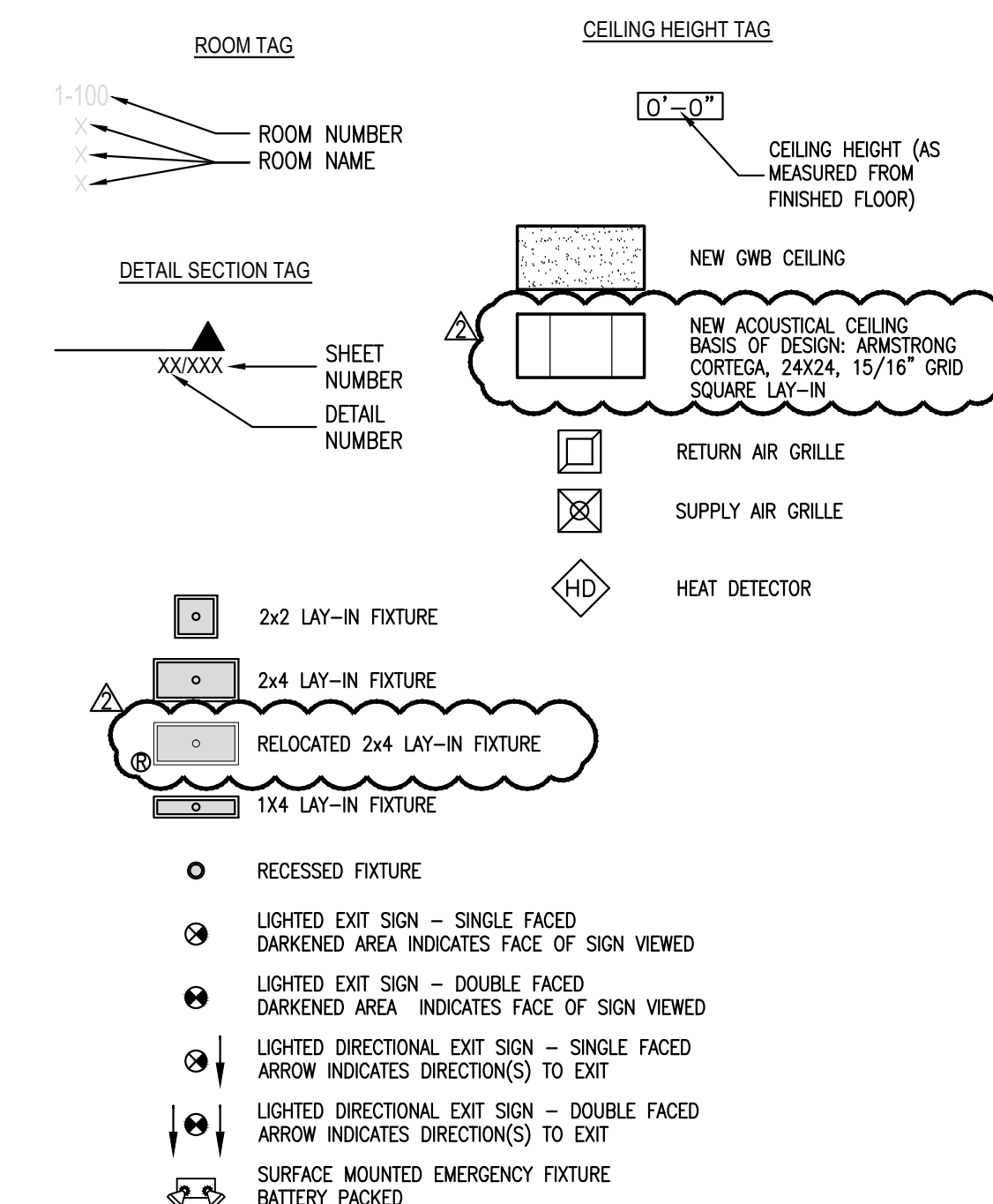
1/4" = 1'-0"



REFLECTED CEILING PLAN NOTES:

1. CONTRACTOR TO COORDINATE ALL DISCIPLINES TO ENSURE ALL DUCTWORK, EQUIPMENT, FIXTURES, PIPES, CONDUITS, SUSPENSION AND ACOUSTIC SYSTEMS NECESSARY TO MAINTAIN CEILING ELEVATIONS.
2. CONTRACTOR TO COORDINATE ALL DUCT LOCATIONS W. OTHER TRADES. ARCHITECT TO REVIEW AND HAVE FINAL APPROVAL FOR ALL EXPOSED CEILING SURFACES.

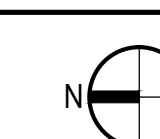
REFLECTED CEILING LEGEND



REFLECTED CEILING PLAN

02

1/4" = 1'-0"



BID DOCUMENTS
Sept. 16, 2016

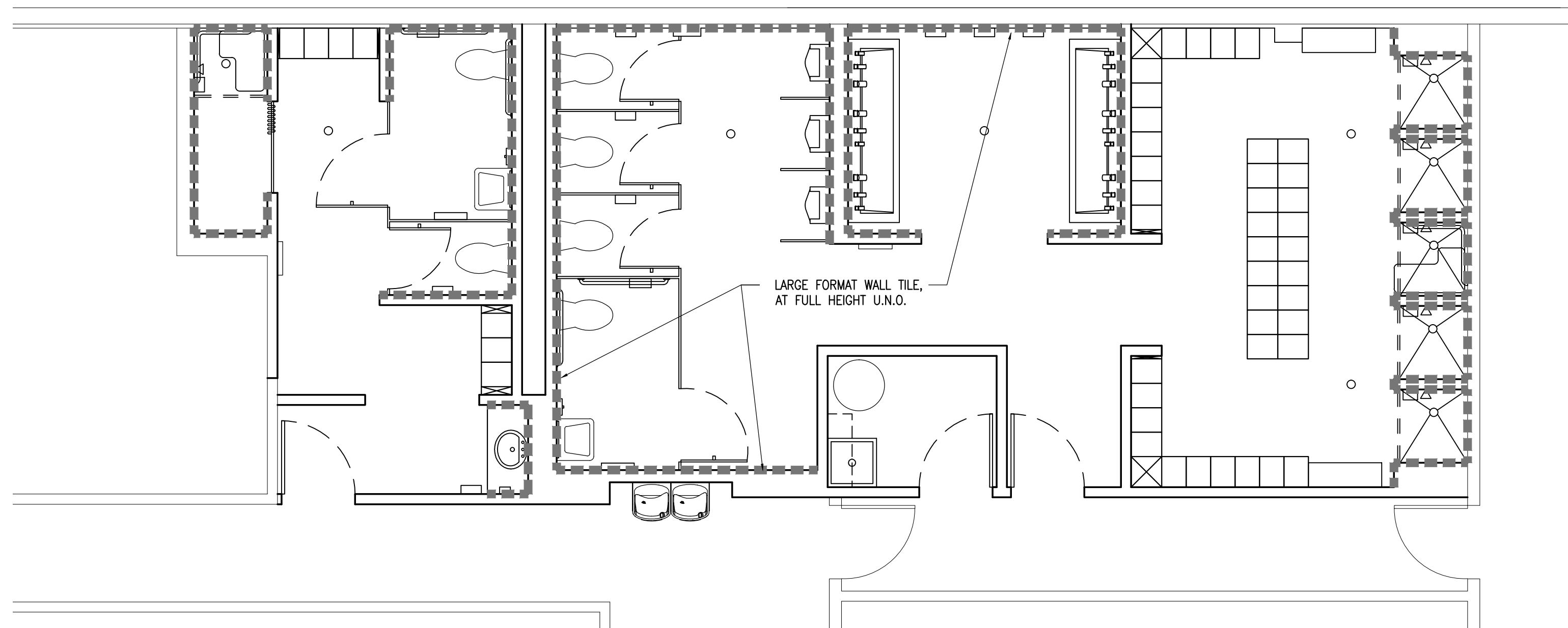
DOOR SCHEDULE													
DOOR NO.	DOORS			FRAMES			DETAILS			FIRE RATING	HDWR GROUP	GLAZING	REMARKS
	SIZE	MAT	TYPE	SIZE	MAT	TYPE	HEAD	JAMB	SILL				
01	3070	WD	D1	5-3/4	HM	F1	01/A-02	02/A-02	03/A-02	-	01	-	
02	3070	WD	D1	5-3/4	HM	F1	01/A-02	02/A-02	03/A-02	-	01	-	
03	3070	WD	D1	5-3/4	HM	F1	01/A-02	02/A-02	03/A-02	-	02	-	

DOOR TYPE	DOOR FRAME TYPE
<p>D1 DOOR MATERIAL AND FINISH TO MATCH EXISTING ONES</p>	<p>F1 HOLLOW METAL</p>

FINISH SCHEDULE															
ROOM NO.	ROOM NAME	FLOOR	BASE	WALLS								CEILING	REMARKS		
				NORTH		EAST		WEST		SOUTH					
				FIN.	MAT.	FIN.	MAT.	FIN.	MAT.	FIN.	MAT.				
01	WOMEN'S RM	RES	RES	GWB	PNT & 14/A-04	GWB	PNT & 14/A-04	GWB	PNT & 14/A-04	GWB	PNT & 14/A-04	GWB	PNT & 14/A-04	GWB	FCB @ ALL WET WALL LOCATIONS
	WOMEN'S SHOWERS	CT-5	CT-2	FCB	PNT & 14/A-04	FCB	PNT & 14/A-04	FCB	PNT & 14/A-04	FCB	PNT & 14/A-04	GWB	PNT & 14/A-04	GWB	FCB @ ALL WET WALL LOCATIONS
02	MEN'S RM	RES	RES	GWB	PNT & 14/A-04	GWB	PNT & 14/A-04	GWB	PNT & 14/A-04	GWB	PNT & 14/A-04	GWB	PNT & 14/A-04	GWB	FCB @ ALL WET WALL LOCATIONS
	MEN'S SHOWER	CT-5	CT-2	FCB	PNT & 14/A-04	FCB	PNT & 14/A-04	FCB	PNT & 14/A-04	FCB	PNT & 14/A-04	GWB	PNT & 14/A-04	GWB	FCB @ ALL WET WALL LOCATIONS
03	JANITOR'S RM	RES	RES	FCB	PNT	GWB	PNT	GWB	PNT	GWB	PNT	GWB	PNT	GWB	

FINISH LEGEND AND SPECIFICATIONS	
LEGEND	SPECIFICATIONS
TILE	CT-1: MANUFACTURER: FLORIDA TILE COLLECTION: MALTESE COLOR: ROMAN GRAY #29615 SIZE: 12"x24" BRICK PATTERN CT-2: MANUFACTURER: FLORIDA TILE COLLECTION: MALTESE COLOR: ROMAN GRAY #29615 SIZE: 3"x10" BULLNOSE AS EDGE PIECE * TO BE USED AS EDGE TRIM WHERE REQUIRED. CT-3: MANUFACTURER: DAL TILE COLLECTION: TRIBUTE #499147 COLOR: BLACK K111 SIZE: 1/2"x6" FLAT LINER CT-4: MANUFACTURER: DAL TILE COLLECTION: FIELD TILE COLOR: AQUA GLOW 0197 SIZE: 4.25"x4.25" CT-5: MANUFACTURER: FLORIDA TILE COLLECTION: MALTESE COLOR: ROMAN GRAY #29615/M12 SIZE: 2"x2" MOSAIC MESHBACK
FLOOR	RES: RESINOUS FLOORING, DUR-A-FLEX HYBRI-FLEX EB SYSTEM COLOR: MACRO CHIP BLEND / COBBLESTONE
GROUT	LATICRETE #89 - SMOKE GREY
BASE	RES: RESINOUS FLOORING (COVE, SAME AS FLOOR), DUR-A-FLEX HYBRI-FLEX EB SYSTEM
INTERIOR PAINT	WALL AND CEILINGS - SHERWIN WILLIAMS 6477 TIDEWATER INTERIOR DOORS AND TRIM - SHERWIN WILLIAMS 6477 IN LOW LUSTER LATEX ENAMEL

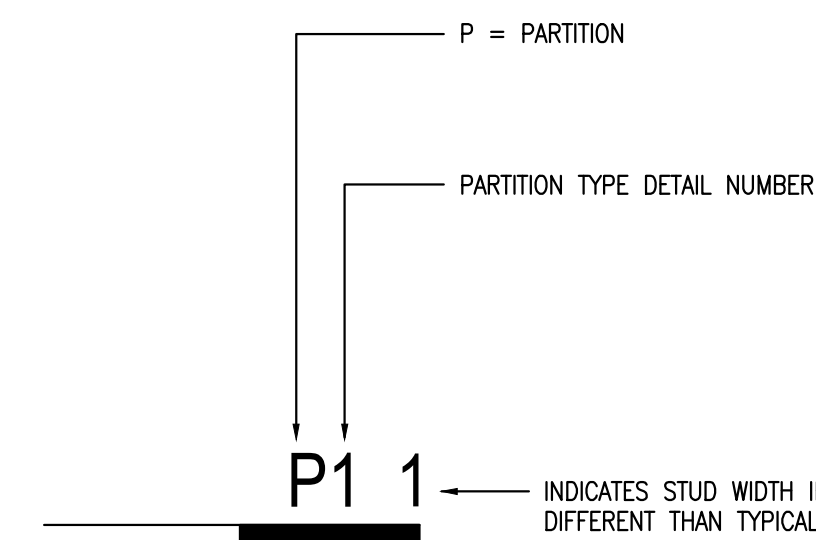
MATERIAL ABBREVIATION:
 GWB: GYPSUM WALL BOARD, MOISTURE RESISTANT, ON ALL WALLS AND CEILINGS, UNLESS NOTED OTHERWISE.
 FCB: FIBER CEMENT BOARD, ON ALL SHOWER & WET WALLS



CERAMIC TILE FINISH LOCATION 04
1/4" = 1'-0"

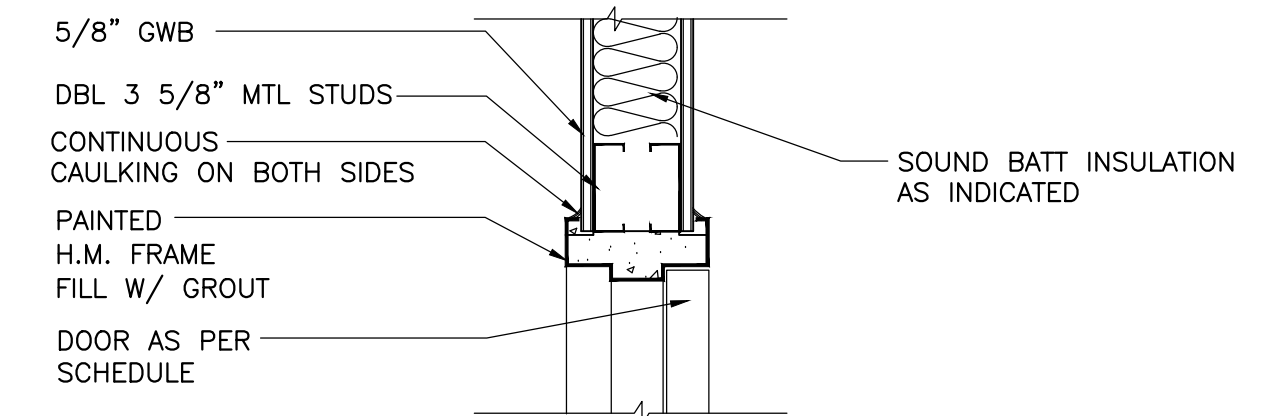
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WALL TYPE SYMBOL LEGEND

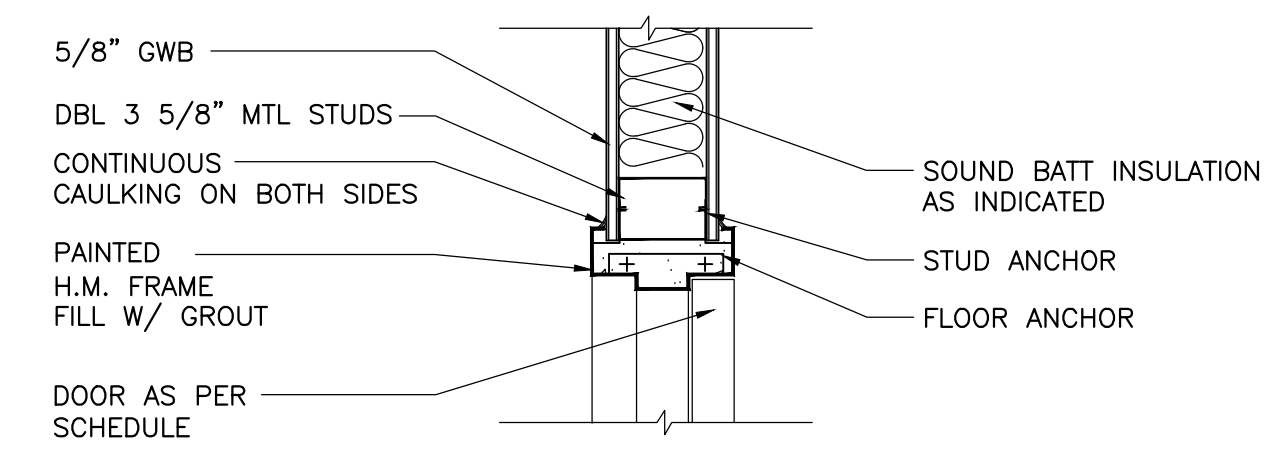


WALL NOTES :

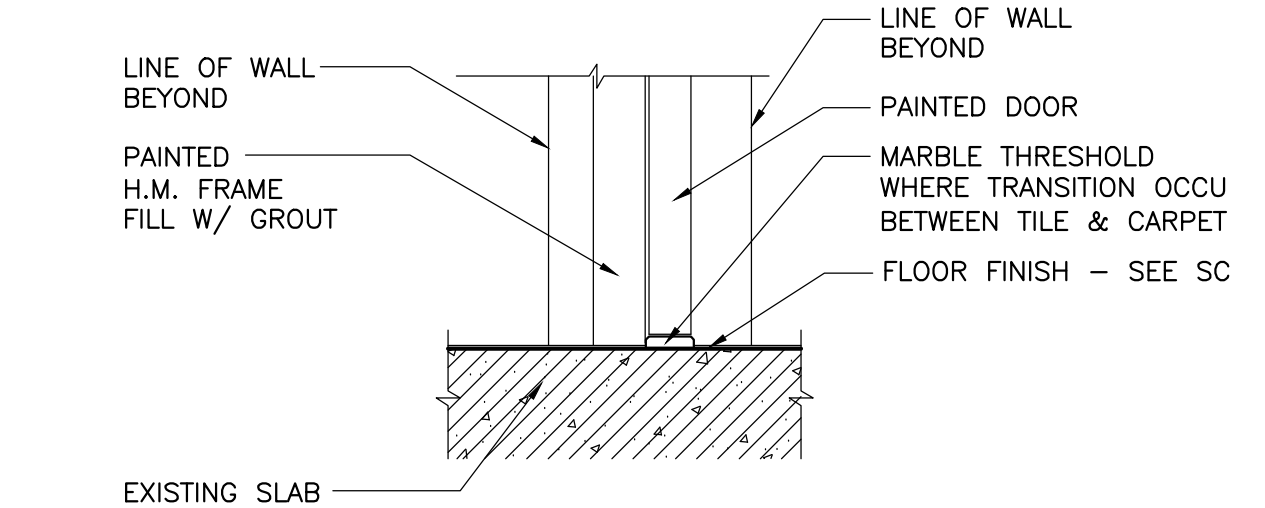
- THESE PARTITION TYPES ARE DIAGRAMMATIC IN NATURE, REFER TO FINISH SCHEDULE
- WALL TAG DESIGNATION IS INTENDED TO INDICATE WALL TYPE ALONG AN ENTIRE WALL PLANE AND/OR SURFACE ALONG THE FULL LENGTH OF A SPACE OR CORRIDOR INCLUDING ASSOCIATED ALCOVES AND NICHES, UNLESS INDICATED OTHERWISE.
- MAXIMUM STUD SPACING & MIN. STUD GAUGE SHALL PROVIDE A MAXIMUM DEFLECTION OF 1/240 UNDER A MINIMUM 5 PSF LATERAL LOAD, UNLESS OTHERWISE INDICATED. PROVIDE FRAMING W/ 22 GA. STUDS @ 16" O.C.
- SET FLOOR TRACKS IN TWO CONTINUOUS BEADS OF ACOUSTICAL (NON-HARDENING). IN ADDITION, PROVIDE A CONTINUOUS BEAD OF ACOUSTICAL CAULK BETWEEN THE BOTTOM OF DRYWALL AND CONCRETE SLAB
- ALL GWB SHALL CONTAIN MOLD/MILDEW RESISTIVE PROPERTIES, UNLESS OTHERWISE SPECIFIED.
- INTERIOR STUD DOOR HEAD & JAMB FRAMING TO BE DOUBLE 20 GAUGE STUDS, TYP. PROVIDE 20 GAUGE STUDS AT INTERIOR WALLS RECEIVING TILE FINISH.



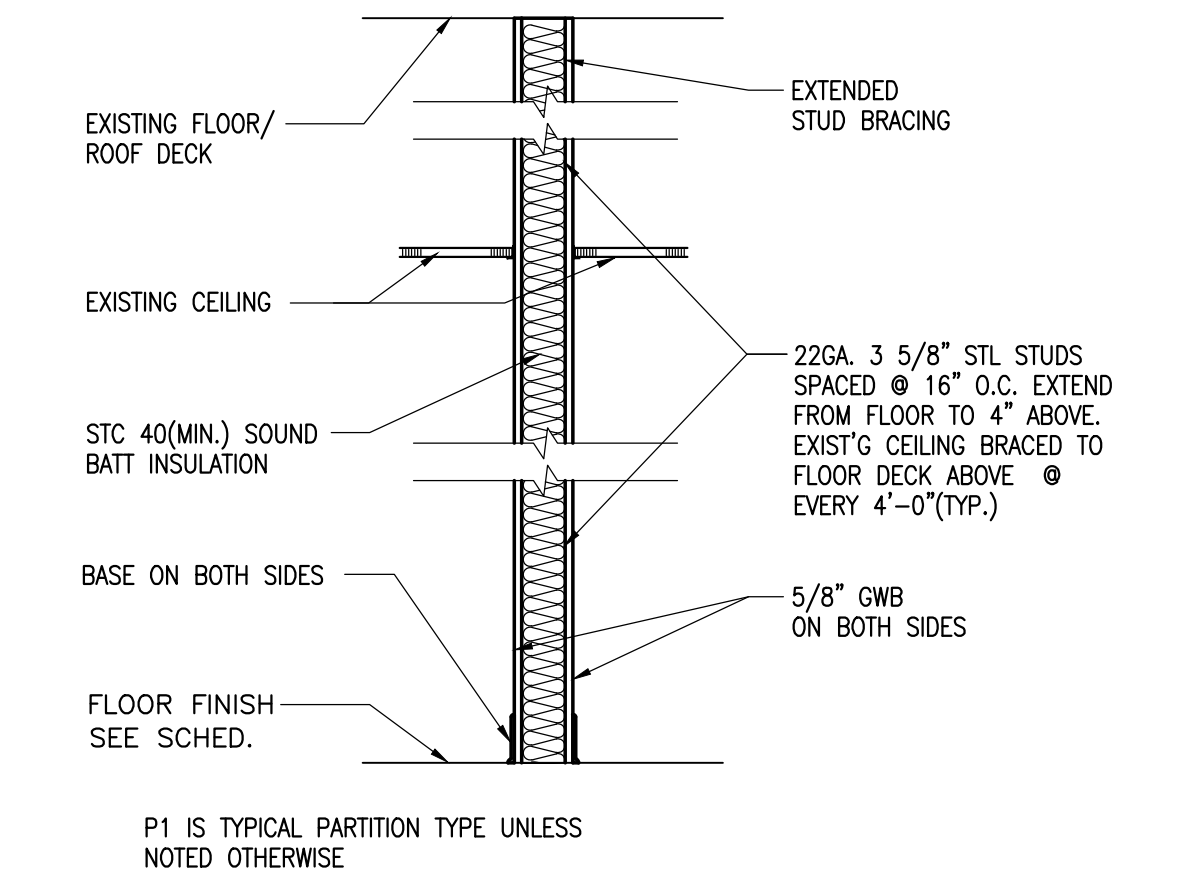
INTERIOR DOOR HEAD 01
1 1/2" = 1'-0"



INTERIOR DOOR JAMB 02
1 1/2" = 1'-0"



INTERIOR DOOR THRESHOLD 03
1 1/2" = 1'-0"



PARTITION TYPE P1
3/4" = 1'-0"

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CITY OF WEST PALM BEACH, FLORIDA

O & M COMPLEX BLDG #2 RESTROOMS RENOVATIONS

1045 CHARLOTTE AVE.
 WEST PALM BEACH, FL 33401
 Key Plan:

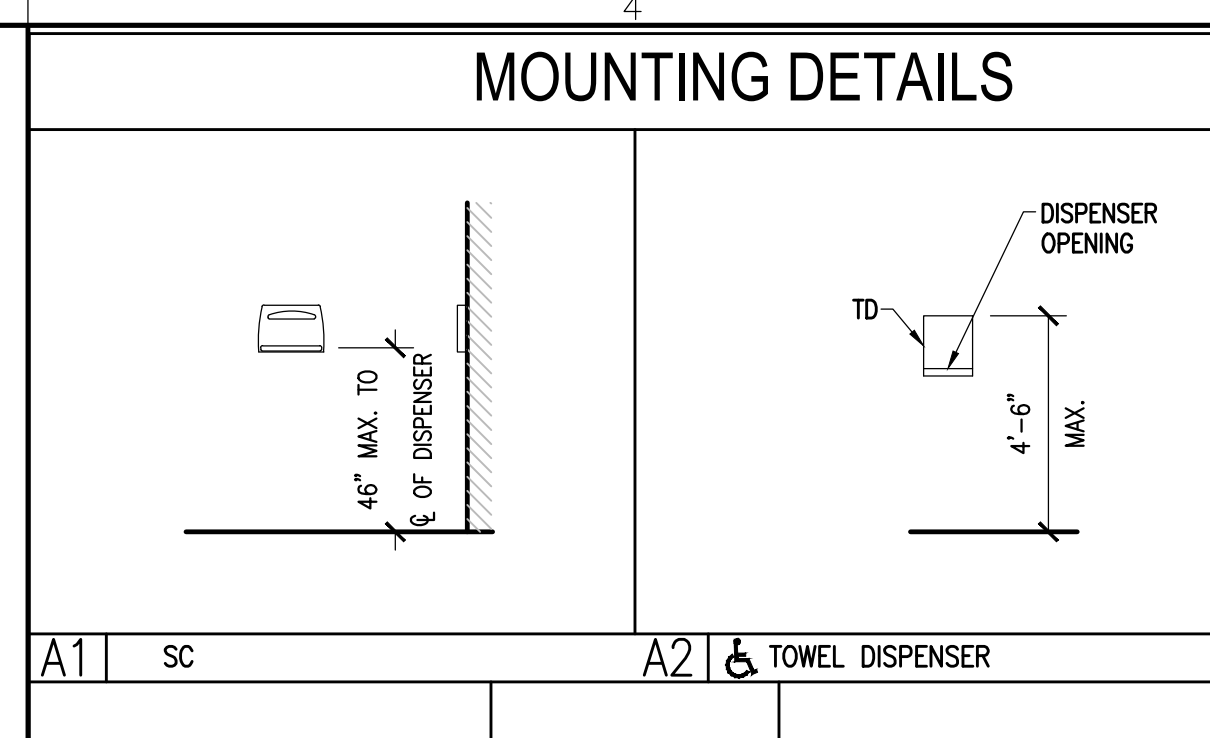
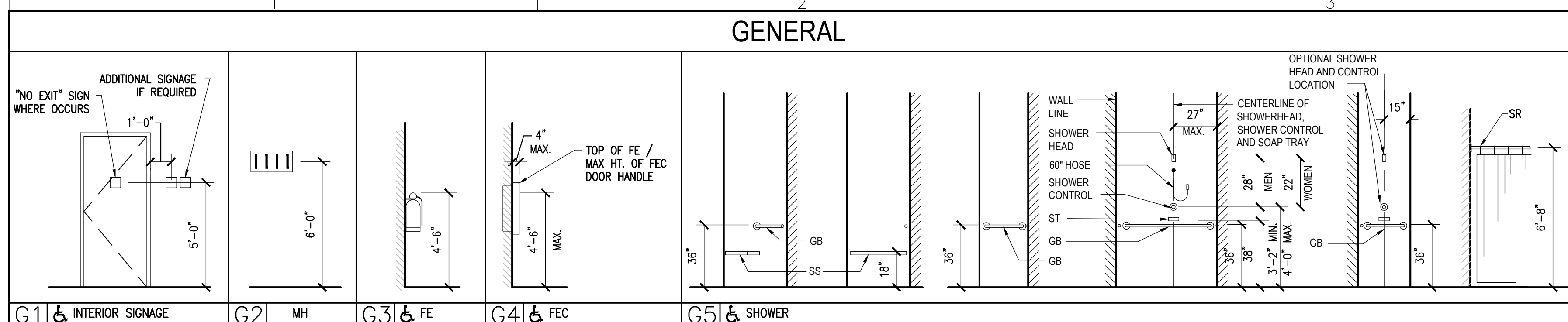
Revisions :

Date : 06/03/16
 S+A Project No : 15031
 Owner :
 Drawn By : WS
 Checked By : HC

Phase :
 100% CONSTRUCTION DOCUMENTS

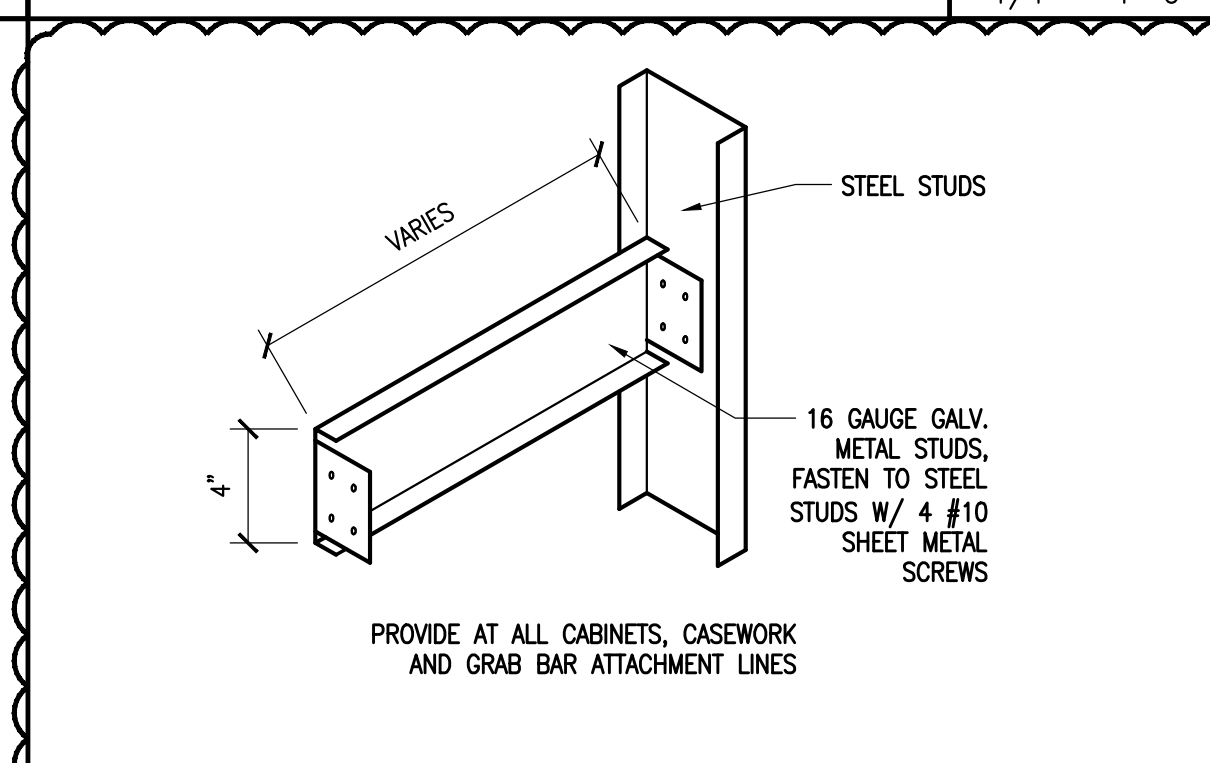
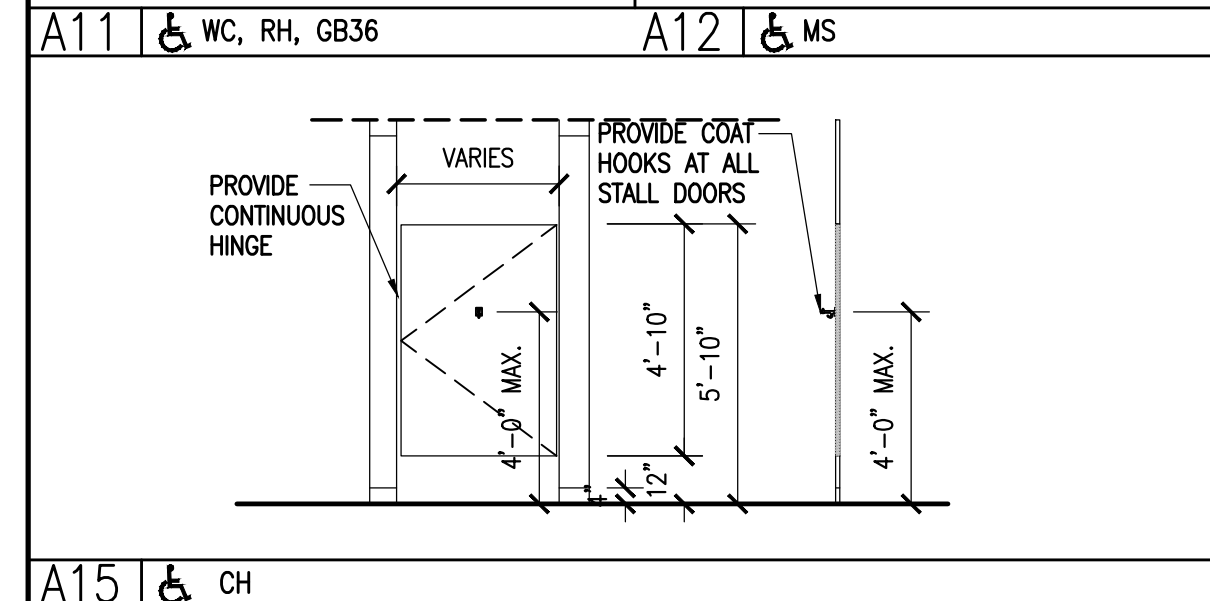
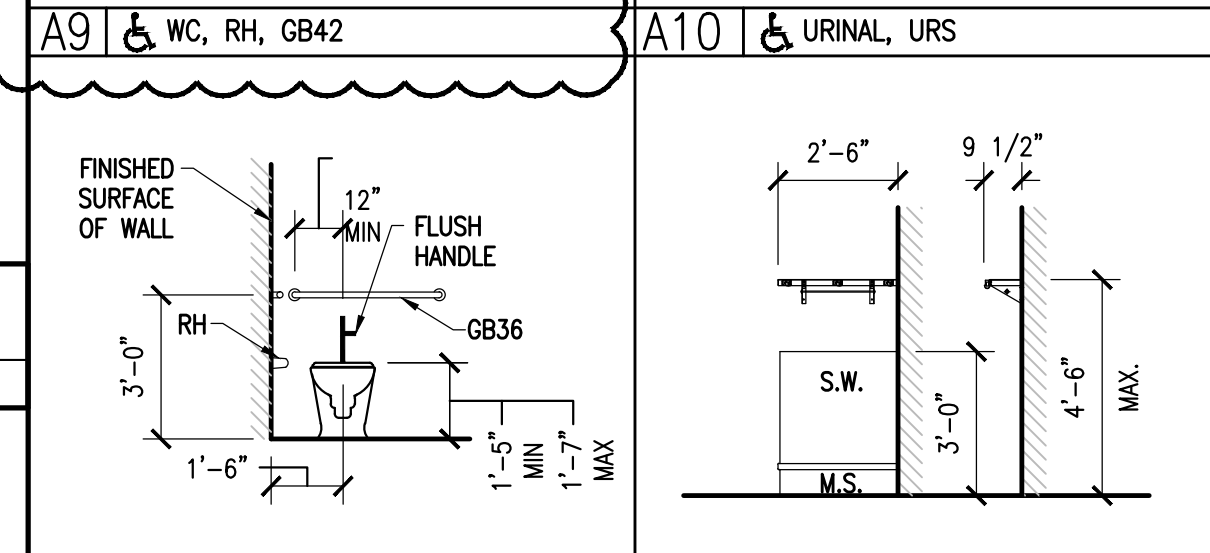
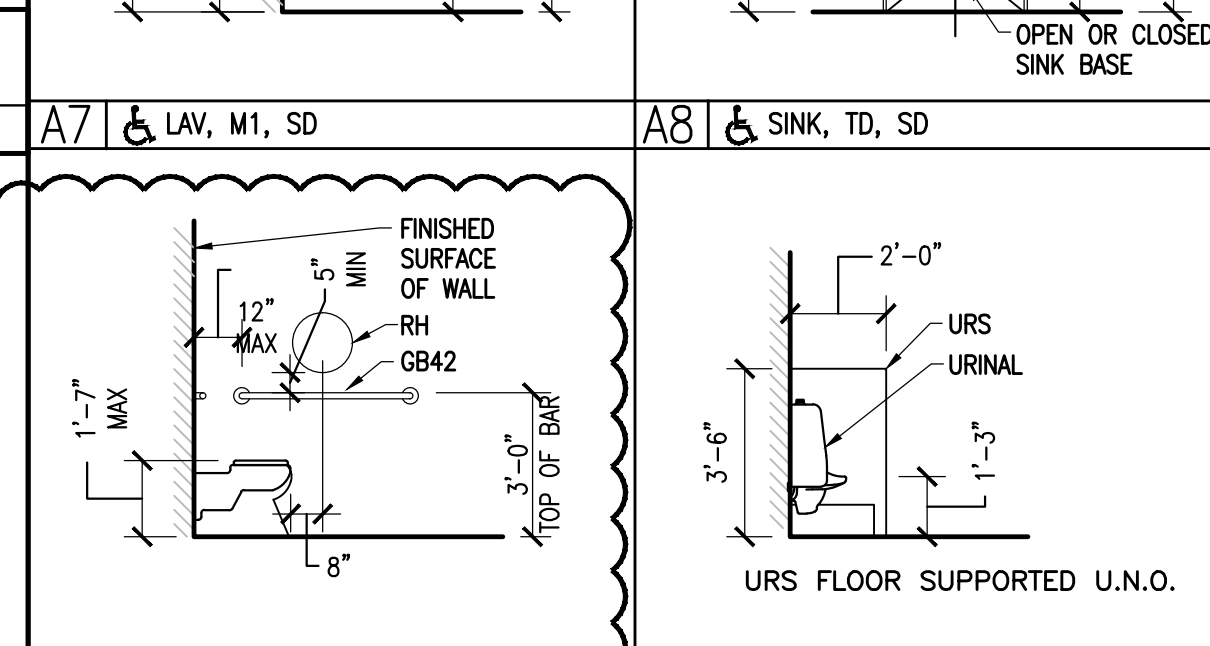
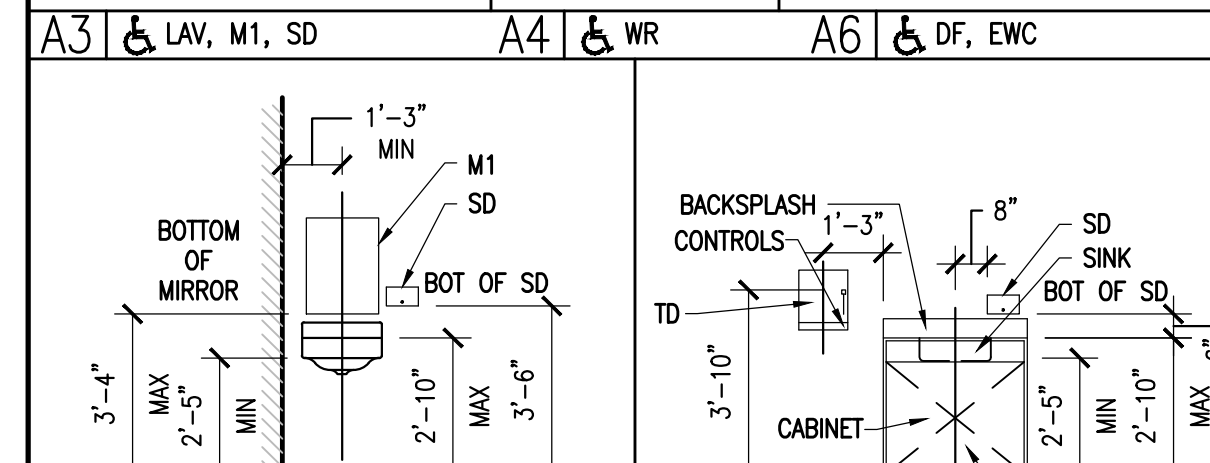
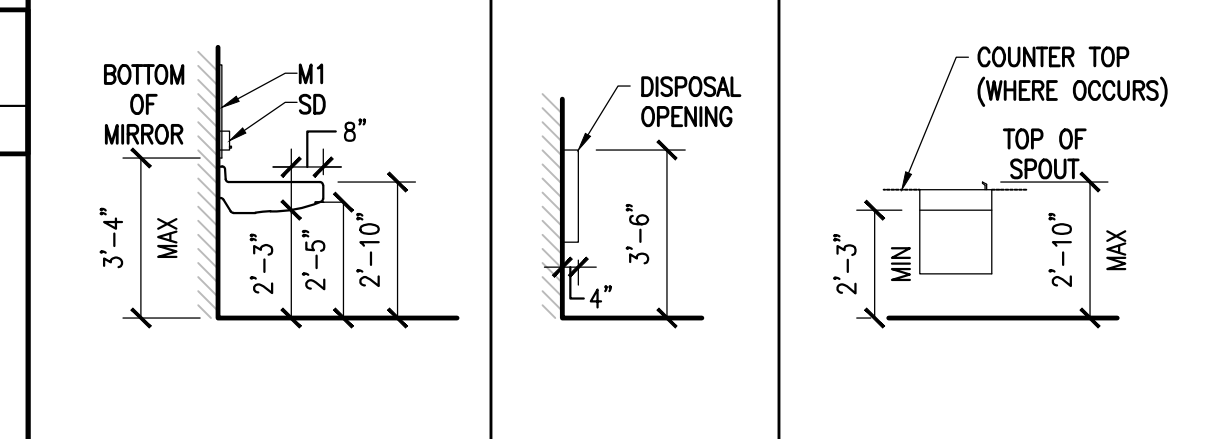
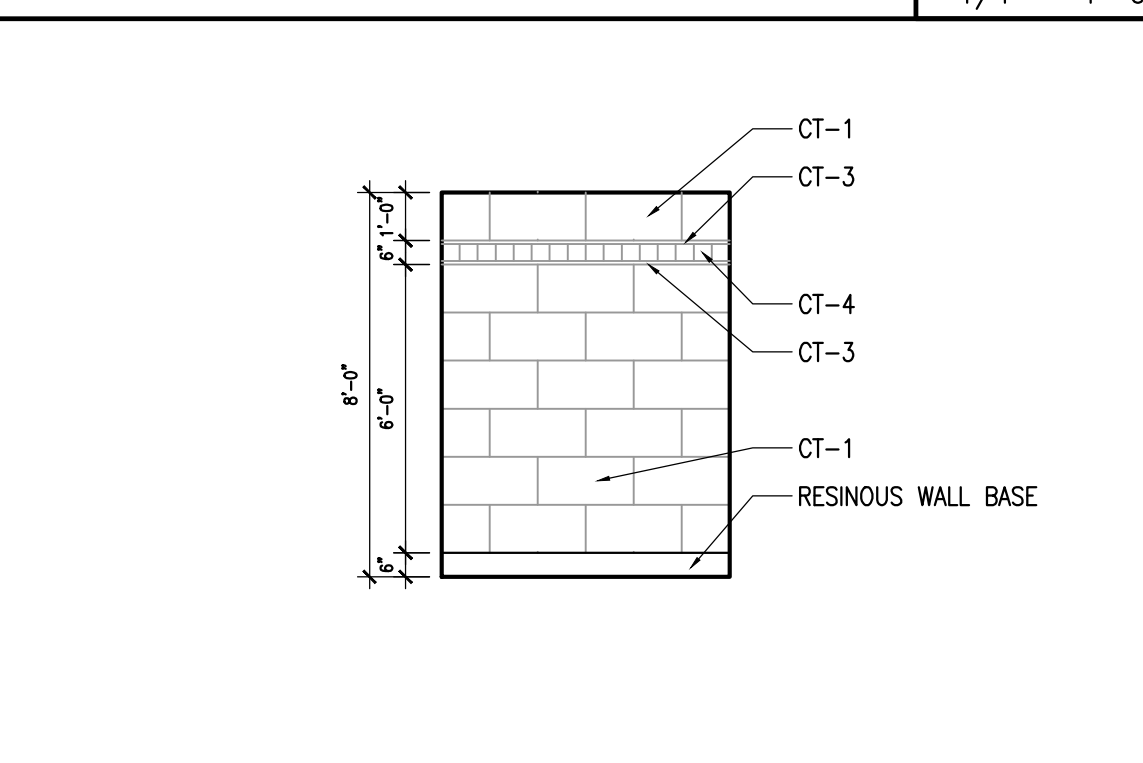
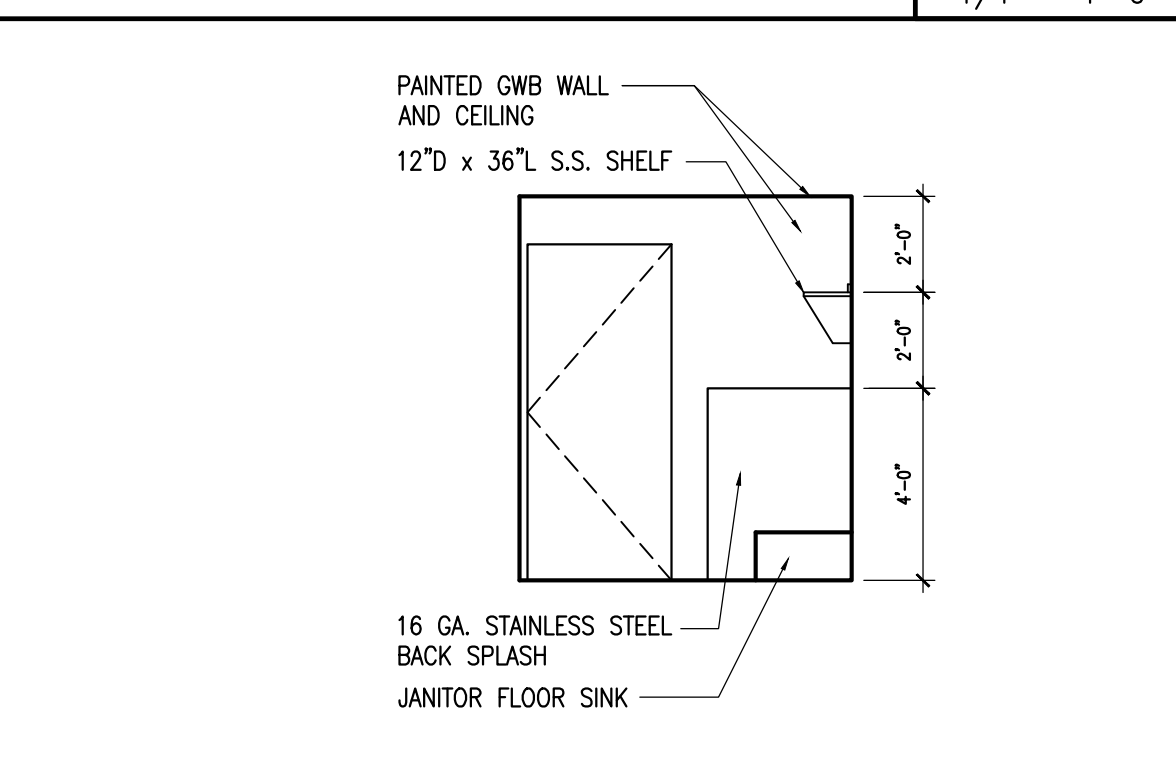
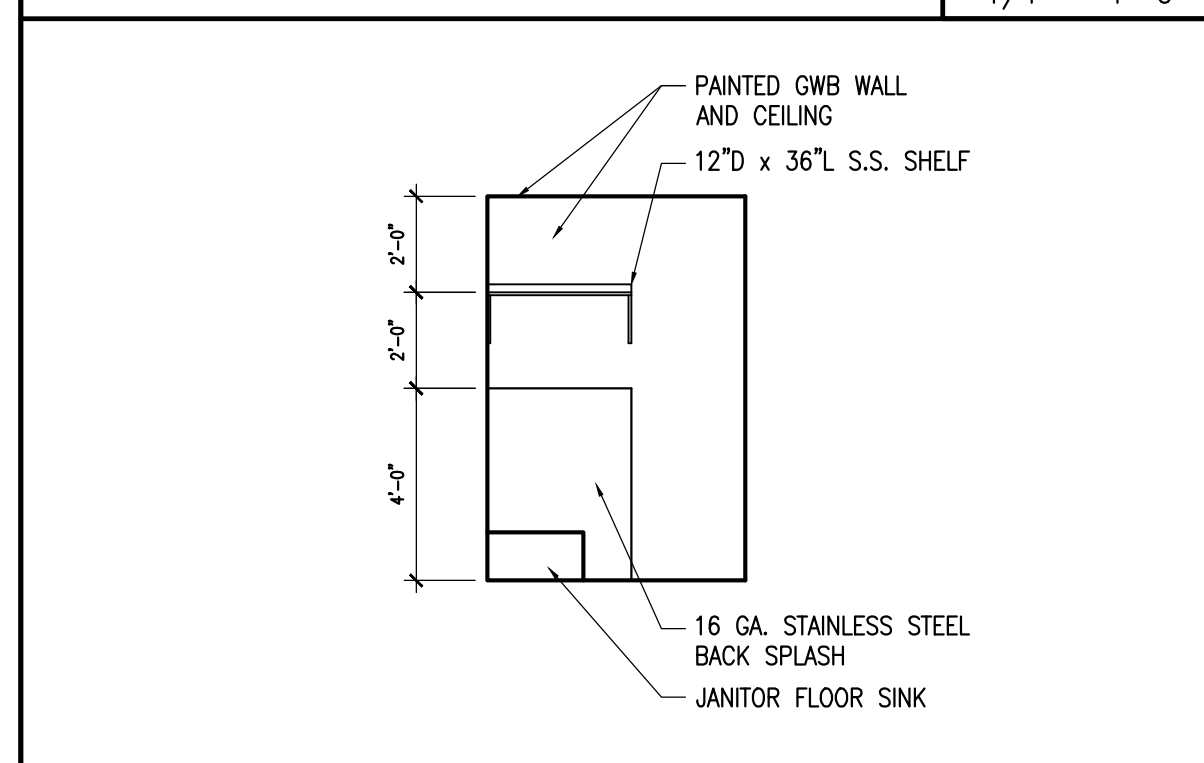
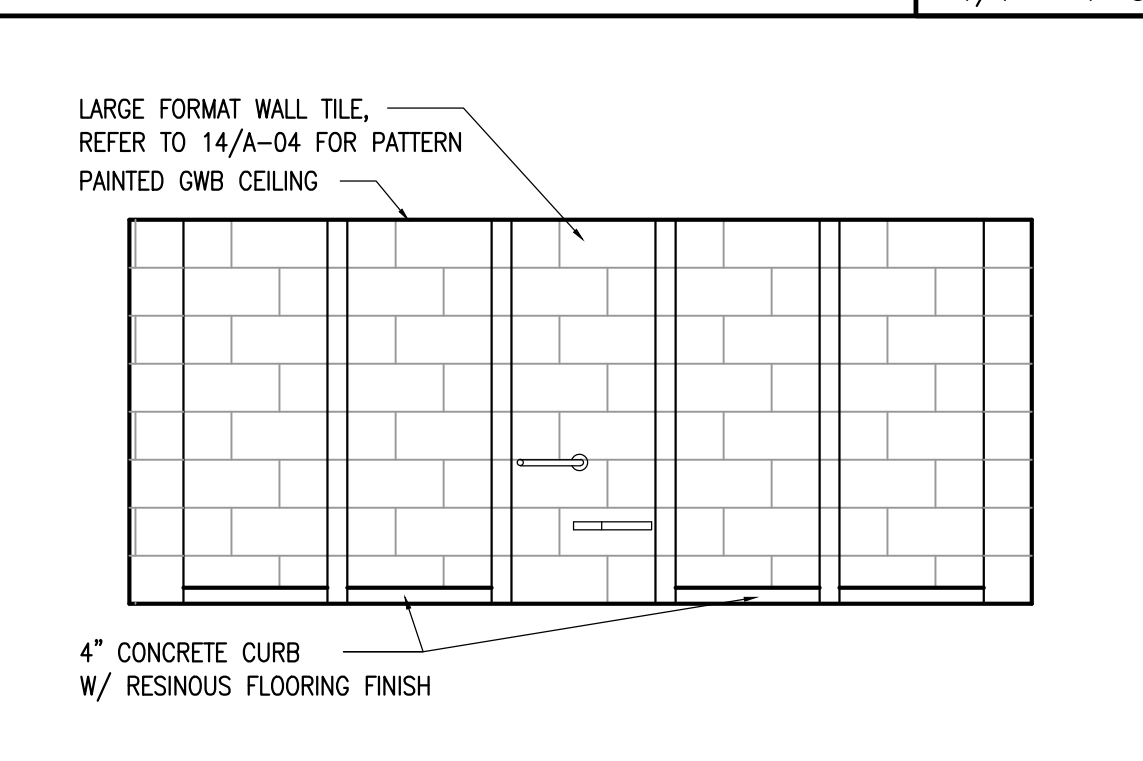
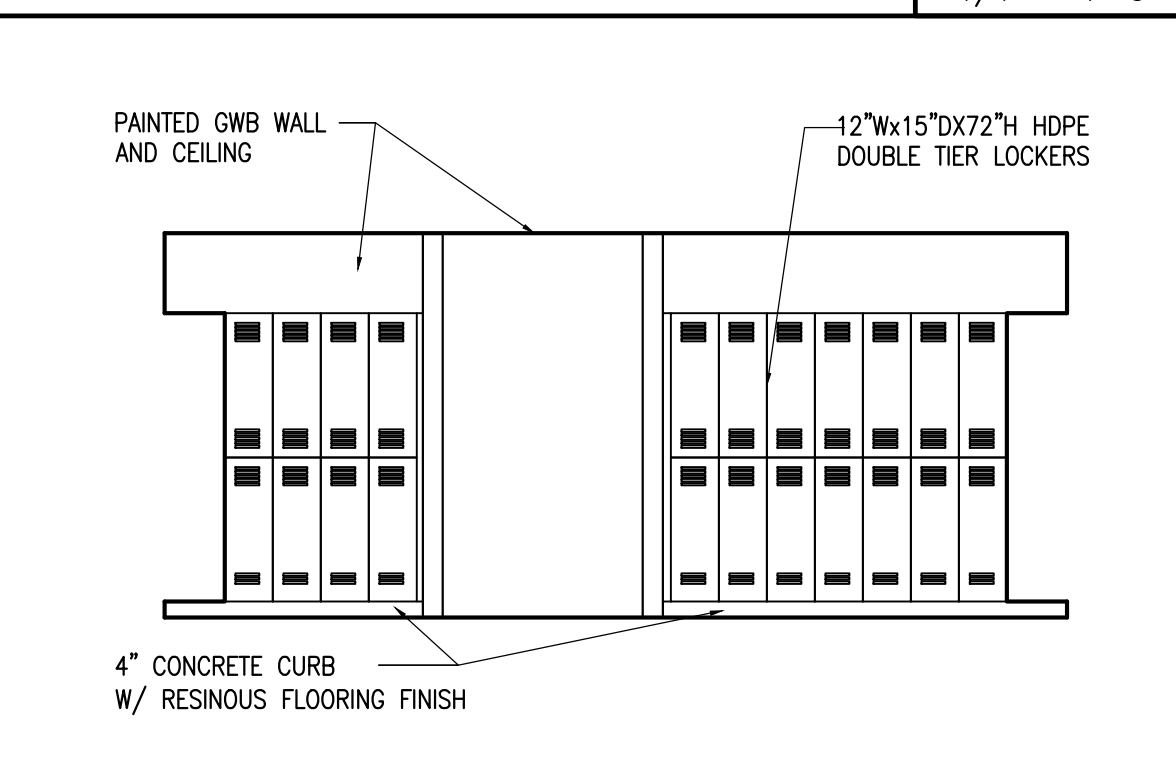
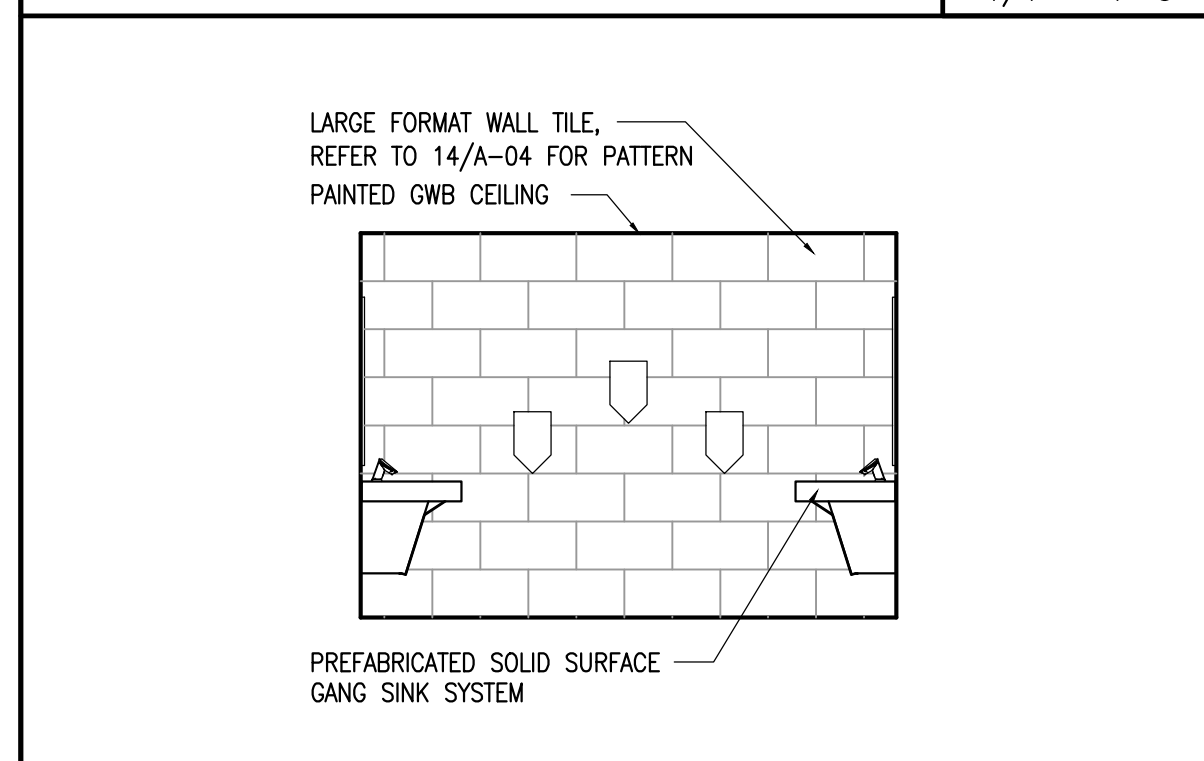
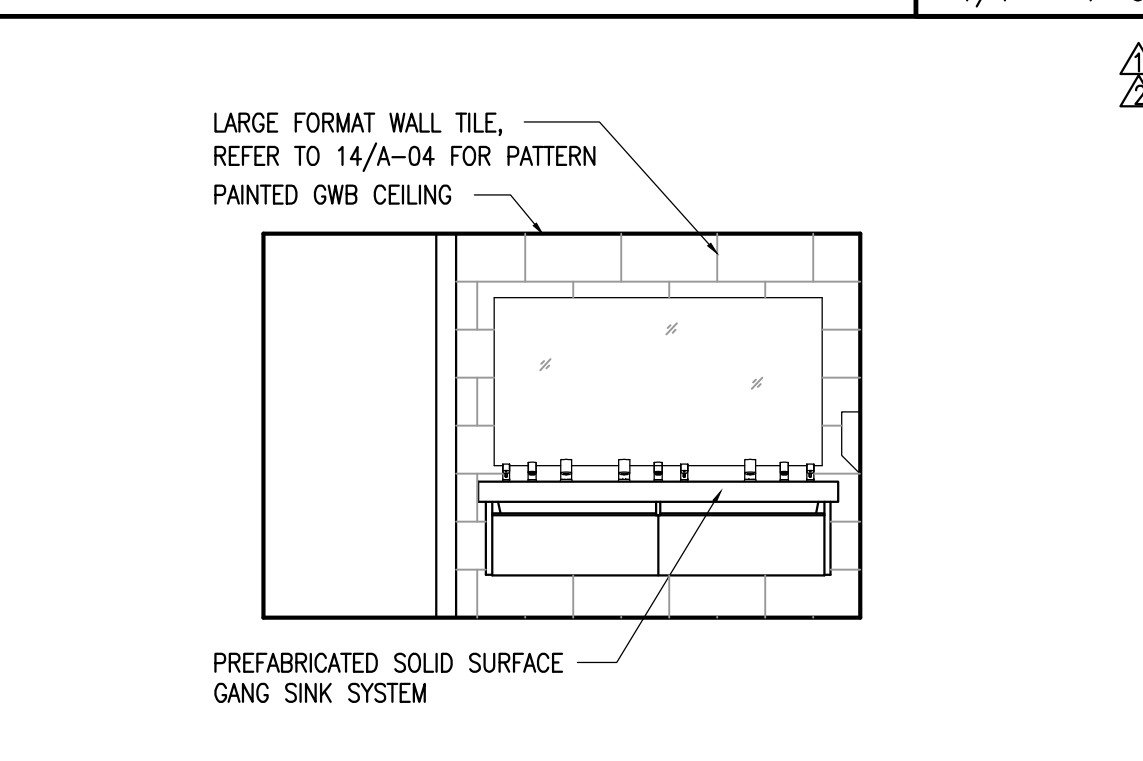
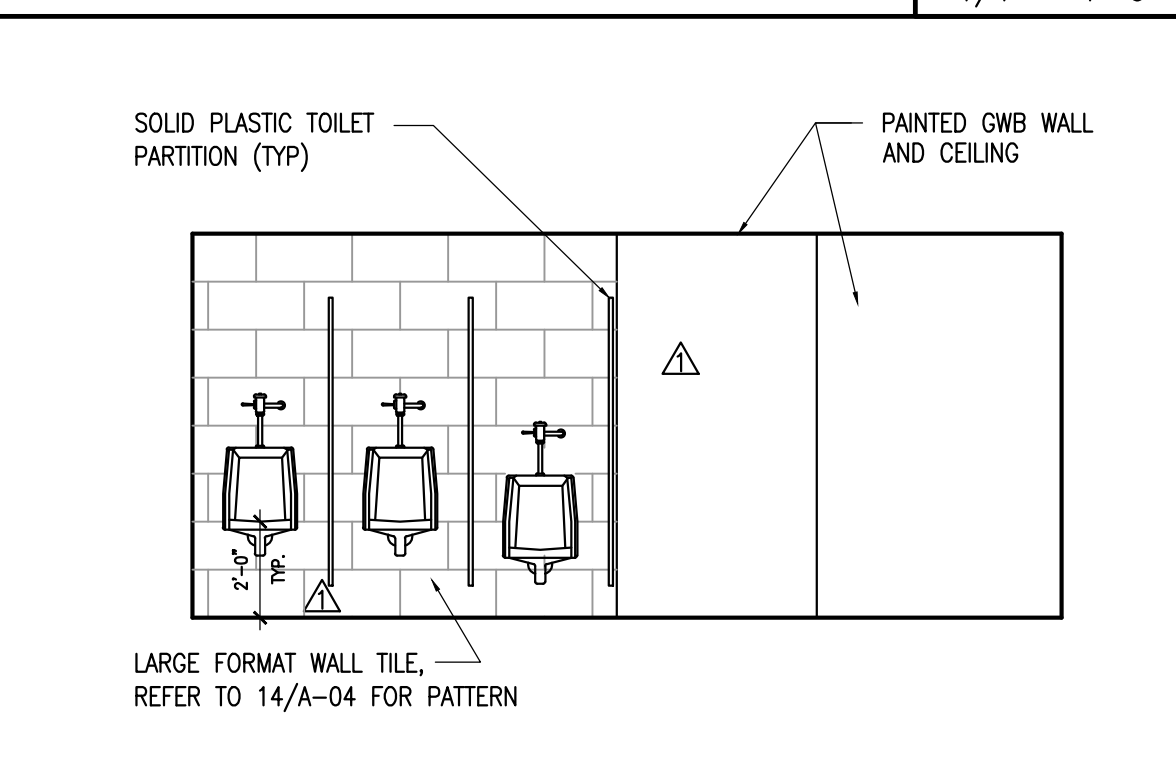
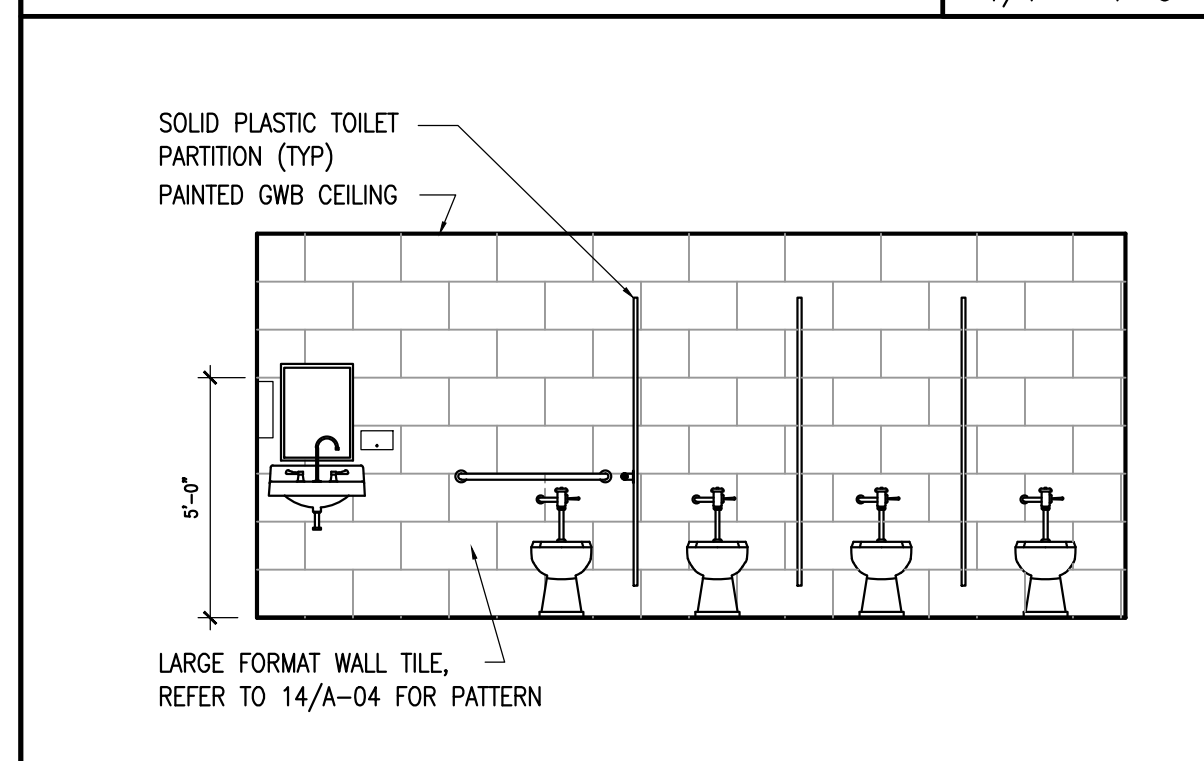
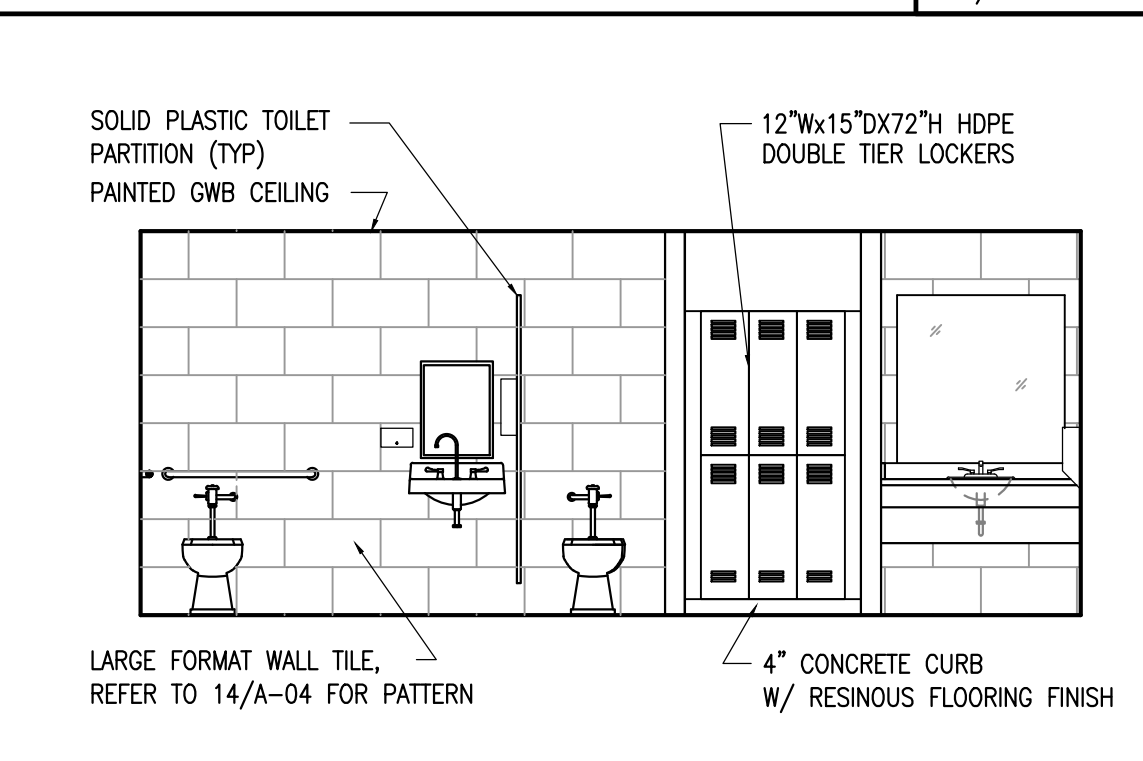
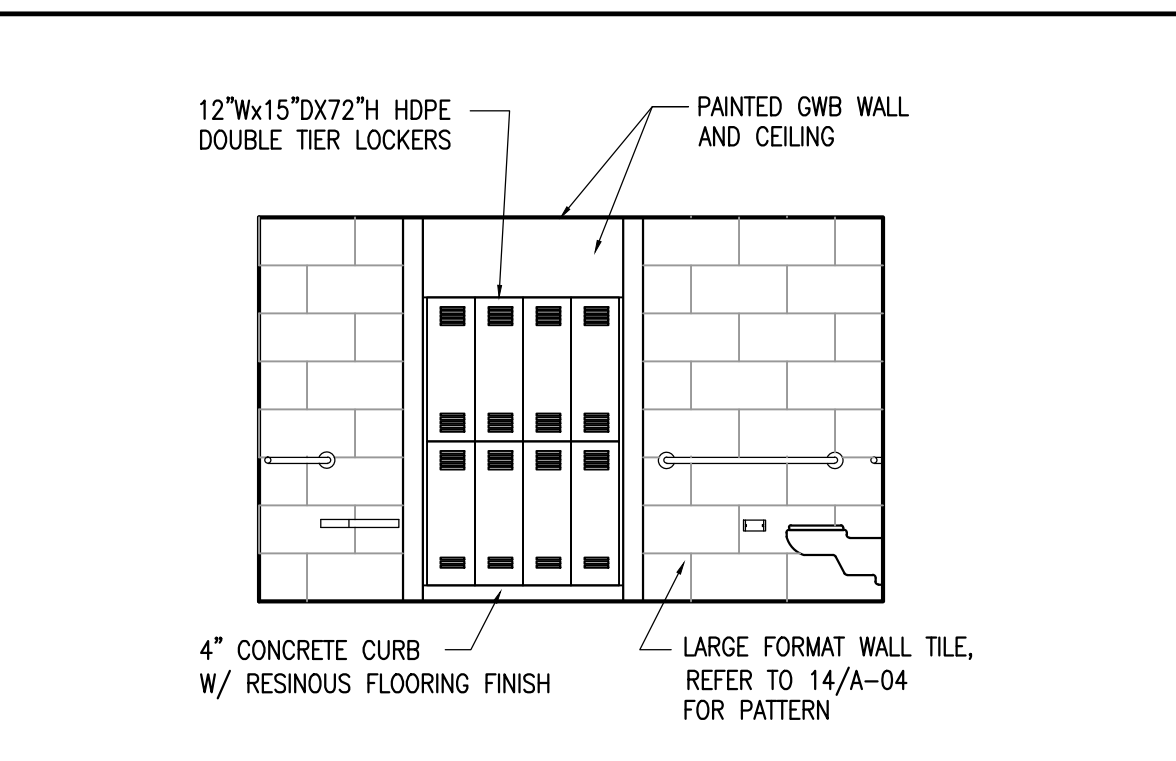
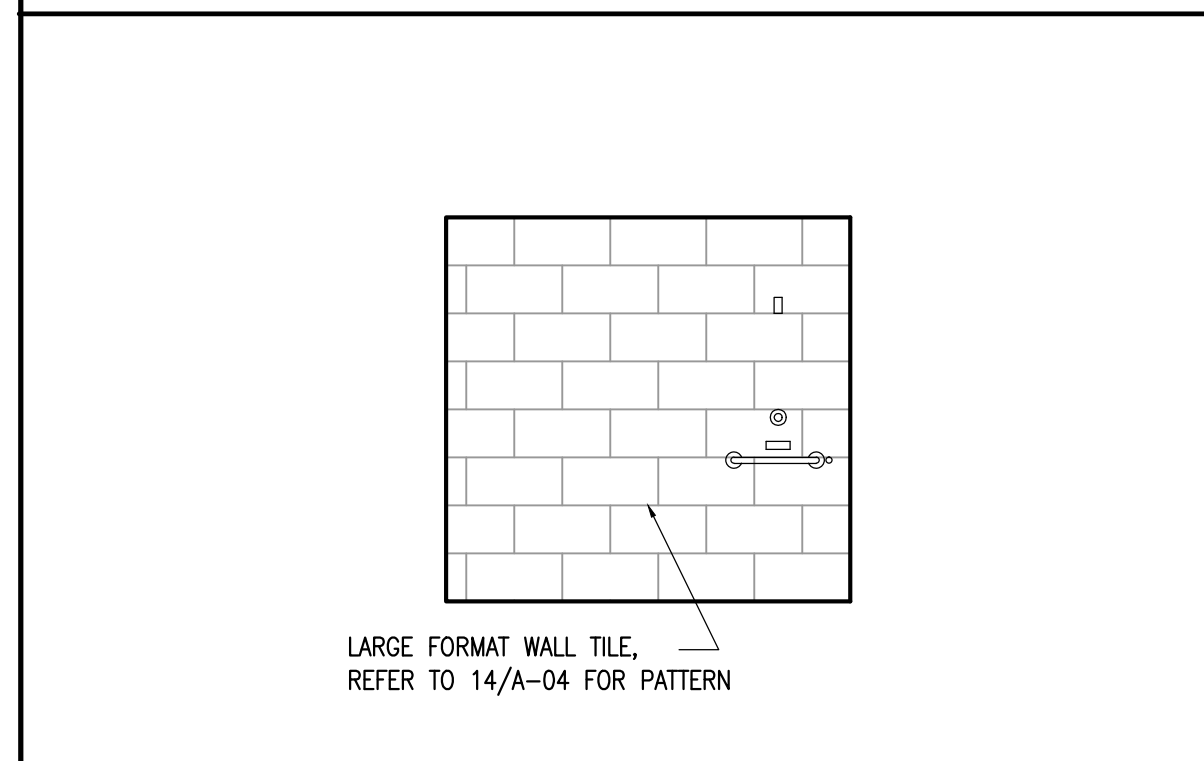
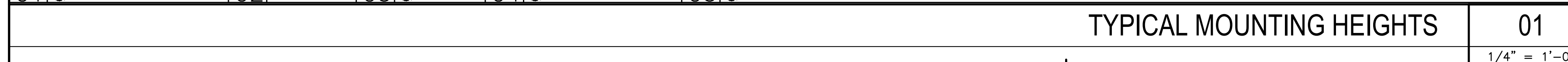
Sheet Title :
 DOOR & FINISH SCHEDULES AND DETAILS

Sheet # :
 A-03



RESTROOM ACCESSORY LEGEND

GB1	1 1/2" DIAMETER GRAB BAR X 36" L
GB2	1 1/2" DIAMETER GRAB BAR X 42" L
GB3	1 1/2" DIAMETER GRAB BAR - TWO WALL 24" X 30" L
M1	STAINLESS STEEL MIRROR 18"W X 24"H
M2	MIRROR 36"W X 36"H
M3	MIRROR 82"W X 36"H
CH	COAT HOOK W/ BUMPER
EHD	ELECTRIC HAND DRYER. BASIS OF DESIGN: DYSON AIRBLADE
SC	SURFACE MOUNTED SEAT COVER DISPENSER
RH	SURFACE-MOUNTED TOILET TISSUE DISPENSER
TD	SURFACE-MOUNTED PAPER TOWEL DISPENSER
SD	SURFACE-MOUNTED SOAP DISPENSER: CONTRACTOR FURNISHED & INSTALLED
SR	SHOWER ROD/ VINYL CURTAIN/ HOOK
SS	REVERSIBLE FOLDING SHOWER SEAT
ST	SURFACE MOUNTED SOAP TRAY
TH	ROBE HOOK W/ CONCEALED MOUNTING
FD	FLOOR DRAIN TRAP
MS	WALL MOUNTED UTILITY SHELF W/ HOOKS MOP HOLDER
TP	TOILET PARTITION
US	URINAL SCREEN
EWC	ELECTRIC WATER COOLER



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CITY OF WEST PALM BEACH, FLORIDA

O & M COMPLEX BLDG #2 RESTROOMS RENOVATIONS

1045 CHARLOTTE AVE.
 WEST PALM BEACH, FL 33401

Key Plan:

Revisions:

△ PERMIT COMMENTS 07.28.16
 △ PERMIT COMMENTS 09.15.16

Date: 06/03/16
 S+A Project No: 15031
 Owner:
 Drawn By: WS
 Checked By: HC

Phase:
 100% CONSTRUCTION DOCUMENTS

Sheet Title:
INTERIOR ELEVATIONS AND TYPICAL MOUNTING HEIGHTS

Sheet #:

BID DOCUMENTS
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A-04



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CITY OF WEST PALM BEACH, FLORIDA

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Date : 06/03/16

S+A Project No. : 15031

AMS # : 1606

Drawn By : AM

Checked By : AM

Phase :

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Sheet Title :

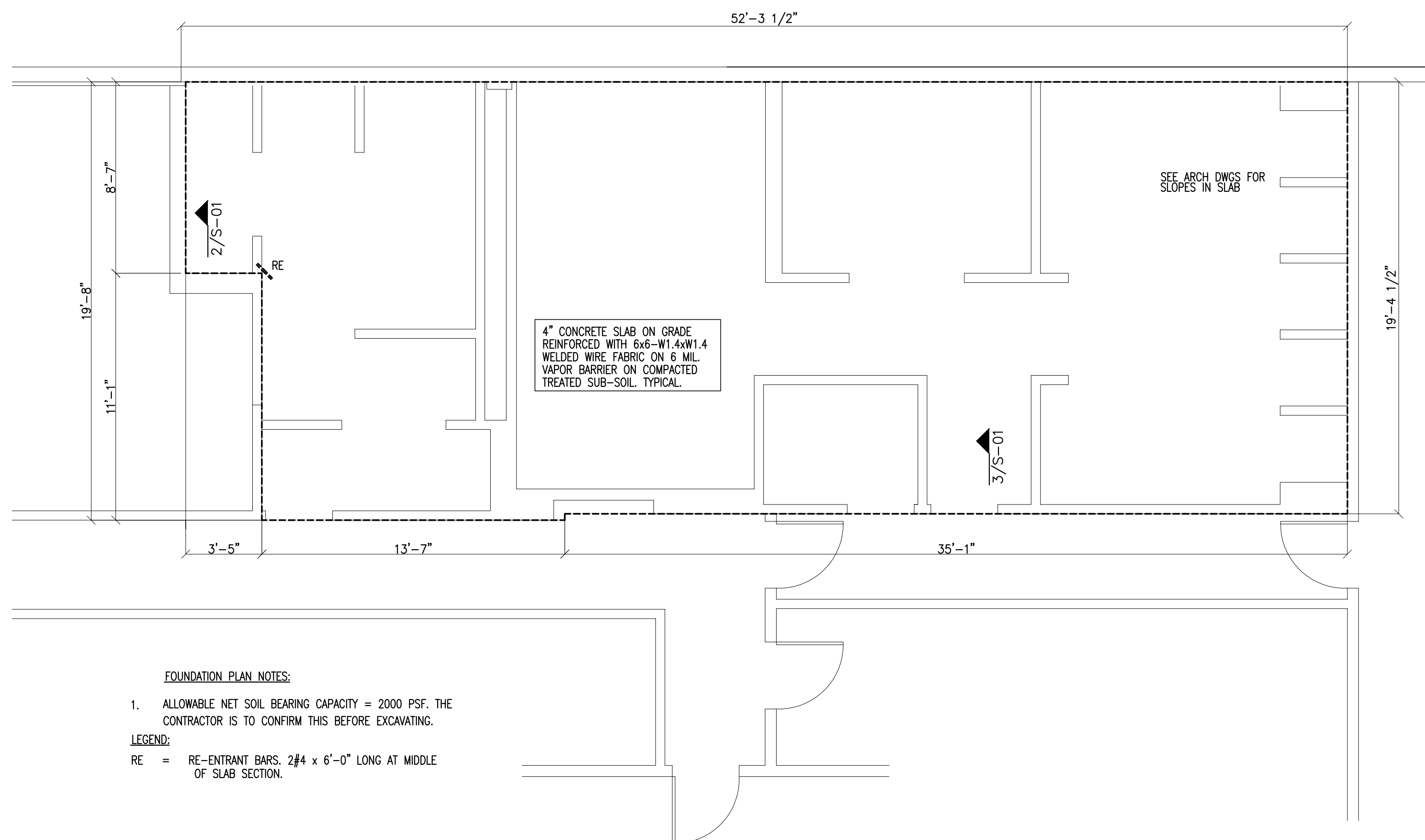
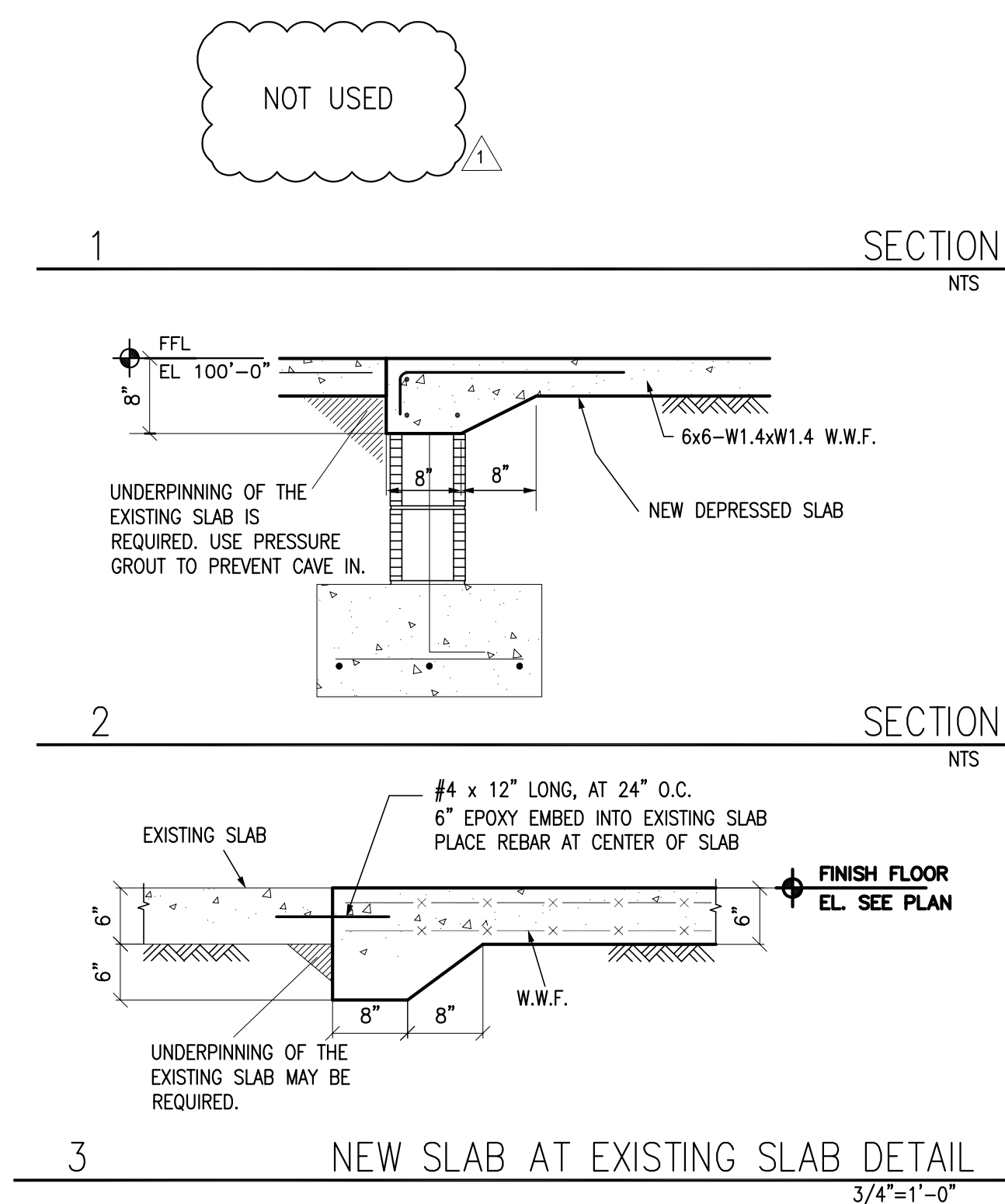
NEW SLAB LAYOUT

SCALE 1/8" = 1'-0"



Sheet # :

S-01



DESIGN CRITERIA AS PER FBC 2014
DESIGN LOADING PER FBC 2010, WIND LOADS PER ASCE 7.10

BASIC WIND SPEED = 170 MPH (134 MPH ASD)
RISK CATEGORY II = BUILDING-ENCLOSED
WIND EXPOSURE = EXPOSURE C
Kd = 0.85
INTERNAL PRESSURE COEFFICIENT = +/- 0.18

MEAN ROOF HEIGHT <= 15 FT VELOCITY PRESSURE = 54 PSF

COMPONENT AND CLADDING WIND PRESSURES
7 DEG. < SLOPE < 27 DEG. TRIBUTARY AREA (SQ. FT.)

AREA	ZONE		10	20
MAIN ROOF	1.243	PRESSURE psf	36	35
	1	SUCTION psf	-58	-57
	2	SUCTION psf	-101	-98
OVERHANG	3	SUCTION psf	-149	-147
	2	SUCTION psf	-127	-127
	3	SUCTION psf	-208	-200

TABLE 1: BUILDING GROSS ROOF CLADDING ULTIMATE WIND LOADS

WALL ZONE	EFFECTIVE AREA OF COMPONENT/ OPENING (SQ. FT.)	10		20	
		485	PRESSURE psf	63	63
5	4	SUCTION psf	-63	-62	
	5	SUCTION psf	-77	-77	

TABLE 2: ULTIMATE SUCTION/PRESSURE ON WALLS, WINDOWS AND DOORS

WALL ZONE	EFFECTIVE AREA OF COMPONENT/ OPENING (SQ. FT.)	10		20	
		485	PRESSURE psf	38	38
4	4	SUCTION psf	-38	-37	
	5	SUCTION psf	-46	-46	

TABLE 3: ASD SUCTION/PRESSURE ON WALLS, WINDOWS AND DOORS

WALL WIND ZONES: COMPONENTS AND CLADDING DESIGN

CONCRETE

- Reinforced concrete has been designed in accordance with the Building Code Requirements for Structural Concrete (ACI 318) by the American Concrete Institute (ACI).
- Slabs on grade shall be constructed in accordance with the Guide for Concrete Floor and Slab Construction (ACI 302.1R).
- Mixing, transporting, and placing of concrete shall conform to the latest edition of the Specifications for Structural Concrete for Buildings (ACI 301). In case of a discrepancy, the plans and specifications shall govern.
- Concrete in the following areas shall have sand fine aggregate and normal weight, angular, coarse aggregates conforming to ASTM C33, and Type I Portland cement conforming to ASTM C150, to the following specs:

Location	28 Day Concrete Compressive Strength	Air Content	Water/Cement Ratio, Maximum
Interior slab on grade	3500 psi	Optional	0.45

Pearlock mixes are not to be used in slabs.

- For heavily trafficked areas, concrete slab on grade to have attained a compressive strength of 1600 psi before traffic is allowed on the slab on grade.
- Concrete compressive strength tests shall be performed in accordance with ASTM C39. The tests shall be performed on the test results shall be forwarded directly to the Structural Engineer.
- Fly ash may be used as a pozzolan to replace a portion of the Portland cement in a concrete mix, subject to the approval of the Structural Engineer. Concrete mixes using fly ash shall be proportioned to account for the properties of the specific fly ash used and to account for the specific properties of the fly ash concrete thus resulting. The use of fly ash is at the option of the Contractor, not the concrete supplier.
- Place concrete in a manner so as to prevent segregation of the mix. Delay floating and troweling operations until the concrete has lost surface water sheen or all free water. Do not sprinkle free cement on the slab surface. Finishing of slab surfaces shall conform to the latest editions of ACI 302.1R and ACI 304R (Guide for Measuring, Mixing, Transporting and Placing Concrete) and the Specifications.
- Protect the concrete surface between finishing operations on hot, dry days or any time plastic shrinkage cracks could develop by using wet burlap, plastic membranes or fogging. Protect concrete deck at all times from rain, hail, running water or other injurious effects.
- Concrete cover/protection for nonprestressed reinforcement shall conform to the following:

Exposed to earth or weather: #5 bars and smaller	1.50"
Not exposed to weather or in contact with ground: Slabs, walls, joist: #11 bars and smaller	0.75"

GENERAL STRUCTURAL NOTES

GENERAL

- The Structural Drawings shall be read in conjunction with the other Contract Documents which include, but are not limited to, Architectural, Site, Civil, Electrical and Mechanical Drawings, and the Specifications. Report any discrepancies between Contract Documents to the Architect before proceeding.
- These general notes are to be read in conjunction with the notes on other structural drawings.
- All work shall be in accordance with the 2014 Florida Building Code, FBC. All referenced standards and codes shall be as listed in the Florida Building Code 2014.
- Refer items on the structural drawings requiring clarifications to the Architect and Structural Engineer. Do NOT use scaled dimensions. In case of a discrepancy between dimensions and/or details on the contract documents, relating to new or existing construction, please notify the Architect and Engineer before proceeding.
- Cover no work until the appropriate inspection has been completed.

COORDINATION WITH OTHER TRADES

- Where new work is to be fitted to old work, the Contractor shall check all dimensions and conditions in the field, and report any errors or discrepancies to the Structural Engineer prior to the fabrication and erection of any new members. The contractor has the responsibility for the correctness and fit of the new parts to the old part.
- The Contractor shall coordinate and check all dimensions relating to architectural finishes, structural framing, mechanical openings, equipment, etc. The Structural Engineer and Architect shall be notified of any discrepancies before proceeding with work in any area under question.

FOUNDATIONS

REINFORCING STEEL

- Reinforcing bar detailing, fabricating, and placing shall conform to the latest edition of the following standards: Specifications for Structural Concrete for Buildings (ACI 301), ACI Detailing Manual (SP66) The latest editions of Concrete Reinforcing Steel Institute's Reinforcing Bar Detailing and Placing Reinforcing Bars may also be used.
- Reinforcing steel shall be deformed bars of new billet steel conforming to ASTM A615 and shall have a minimum yield strength of 60,000 psi.
- Provide specified bar chairs and spacers as required to maintain concrete protection specified.
- Welded wire fabric shall be smooth wire fabric conforming to ASTM A185 unless otherwise noted. Welded wire fabric in slabs on grade shall be placed 2 inches down from the top of the slab unless otherwise noted.

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100% CONSTRUCTION
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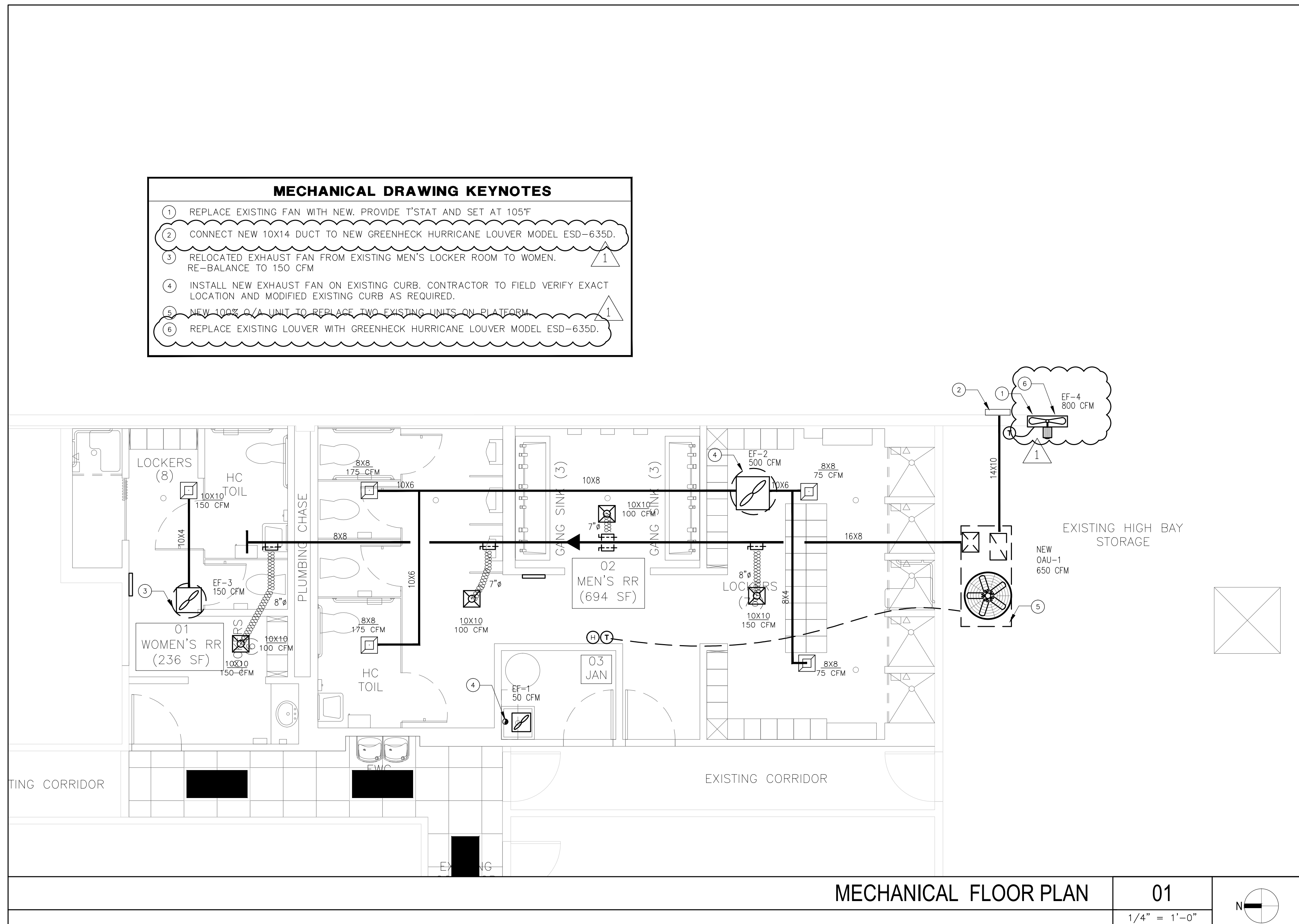
Sheet Title :

MECHANICAL
FLOOR PLAN

Sheet # :

M-1

- MECHANICAL DRAWING KEYNOTES**
- ① REPLACE EXISTING FAN WITH NEW. PROVIDE T'STAT AND SET AT 105°F
 - ② CONNECT NEW 10X14 DUCT TO NEW GREENHECK HURRICANE LOUVER MODEL ESD-635D.
 - ③ RELOCATED EXHAUST FAN FROM EXISTING MEN'S LOCKER ROOM TO WOMEN. RE-BALANCE TO 150 CFM
 - ④ INSTALL NEW EXHAUST FAN ON EXISTING CURB. CONTRACTOR TO FIELD VERIFY EXACT LOCATION AND MODIFIED EXISTING CURB AS REQUIRED.
 - ⑤ NEW 100% G/A UNIT TO REPLACE TWO EXISTING UNITS ON PLATFORM.
 - ⑥ REPLACE EXISTING LOUVER WITH GREENHECK HURRICANE LOUVER MODEL ESD-635D.



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Sept. 16, 2016

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Date: _____

100% OUTSIDE AIR UNIT SCHEDULE

TRANE AS STANDARD		CFM		HEATER		FAN				COMPRESSOR			COND. FAN		TOTAL MAX		ELECTRICAL		CAPACITY		EER	WT	DIMENSIONS	
MARK	MODEL NUMBER	TOTAL	DA	KW	STEP	ESP	HP	FLA	NO.	TDNS	FLA	NO.	FLA	MCA	FUSE	VOLTS-PH-HZ	TMBH	SMBH	(MIN)	LBS	(LXWXH)			
DAU-1	OABD048A3	650	-	5.0	1	1.0	2.5	4.4	1	4.5	27.7	1	4.2	31.9	45	208-3-60	55.1	24.9	13.5	1327	119X52X55			

100% OUTSIDE AIR UNIT NOTES:

1. OUTSIDE AIR DESIGN CONDITIONS: 91°FDB - 79°FDB.
2. PROVIDE A/C UNITS WITH HEATING AND COOLING THERMOSTAT WITH ON-OFF SWITCH SUB-BASE.
3. PROVIDE 0-25% MANUAL OUTSIDE AIR INTAKE WITH RAINHOOD, WMS AND MOTORIZED DAMPER.
4. PROVIDE SINGLE POINT KIT FOR ELECTRICAL HOOK-UP.
5. PROVIDE DISCONNECT SWITCH WITH ALL OUTSIDE AIR UNIT PACKAGE UNITS.
6. PROVIDE 120V GFI OUTLET

LEGEND

- NEW SUPPLY DIFFUSER
- NEW EXHAUST GRILL
- MANUAL VOLUME DAMPER
- DUCT TRANSITION
- NEW FLEXIBLE DUCT, U.L. CLASS 1 (R-6)
- EXISTING DUCT
- DUCT DETECTOR REMOTE TEST/RESET STATION POINT OF CONNECTION EXISTING TO NEW.
- DUCT SMOKE DETECTOR (WITH AUDIBLE AND VISIBLE CAPABILITY)
- PROGRAMMABLE T-STAT

GENERAL NOTES:

1. ALL MECHANICAL SYSTEMS ARE TO BE INSTALLED IN ACCORDANCE WITH ALL APPLICABLE SECTIONS OF THE NFPA STANDARDS, ANSI STANDARDS, THE LOCAL BUILDING CODE, NOISE & HEIGHT ORDINANCES, PLANS AND SPECIFICATIONS.
2. ALL MATERIALS SHALL BE NEW AND ALL WORKMANSHIP AND MATERIALS SHALL BE IN STRICT ACCORDANCE WITH APPLICABLE LOCAL CODES, PRODUCT APPROVAL, RULES AND ORDINANCES. ANY DAMAGED EQUIPMENT SHALL BE REPLACED OR RESTORED TO ORIGINAL CONDITION.
3. THE CONTRACTOR SHALL PROVIDE ALL LABOR, MATERIALS, EQUIPMENT, ACCESS PANELS, CONTROL SYSTEMS, DEVICES, PERMITS AND SERVICES NECESSARY FOR FURNISHING AND INSTALLING A COMPLETE OPERABLE MECHANICAL SYSTEM.
4. ALL LOUVERS, GRILLES, PIPING, ETC. SHALL BE PAINTED TO MATCH SURROUNDING COLOR AND TEXTURES AS REQUIRED BY ARCHITECT. VERIFY COLOR AND TEXTURE WITH ARCHITECT. PAINT ALL EXPOSED MECHANICAL EQUIPMENT WITH BENJAMIN MOORE EPOXY ENAMEL 1B2.
5. ALL CUTTING, PATCHING, STRUCTURAL STEEL, WEATHER PROOFING, PAINTING, AND WALL OPENINGS SHALL BE BY THE GENERAL CONTRACTOR.
6. ALL OPENINGS IN BUILDING STRUCTURE, FOR DUCTWORK, PIPING, ETC. TO BE 1/2" LARGER (ON ALL SIDES) THEN THE OUTSIDE DIMENSIONS. FILL VOIDS WITH FIRE RETARDANT SILICONE FOAM (I.E. CHASE-FOAM CTC PR-855 BY CHASE TECHNOLOGY CORP.).
7. NOT USED.
8. PROVIDE FLEXIBLE DUCT CONNECTORS, RATED AS REQUIRED, TO ALL FANS, A/C UNITS, OR MECHANICAL EQUIPMENT.
9. PROVIDE MAINTENANCE AND OPERATION MANUAL ON ALL MECHANICAL EQUIPMENT OR SYSTEMS. PROVIDE 5 SETS OF SUBMITTALS ON ALL HVAC EQUIPMENT. SUBMITTALS SHALL HAVE A SUMMARY SHEET SHOWING ALL SCHEDULED INFORMATION.
10. HVAC CONTRACTOR WILL WARRANTY ALL MECHANICAL SYSTEMS, DUCTWORK, THERMOSTATS, AND ALL OTHER EQUIPMENT/PARTS AND LABOR UNDER THESE DRAWINGS AND SPECIFICATIONS FOR A PERIOD OF ONE (1) YEAR AFTER C.O. OF BUILDING. ANY REPAIRS REQUIRING SYSTEM SHUT DOWN WILL BE DONE DURING NON OPERATIONAL PERIODS. HVAC CONTRACTOR SHALL COORDINATE WITH ALL OTHER TRADES PRIOR TO BIDDING AND PURCHASING ANY EQUIPMENT.
11. AIR QUALITY SHOULD BE TESTED BEFORE OCCUPANCY AND SHOULD BE INSTRUMENTED AND MONITORED THEREAFTER, OR AT LEAST AT REGULAR INTERVALS

FAN SCHEDULE

	SELECTION BASED ON		TYPE/ SERVICE	CFM	TSP IN WG	RPM	MOTOR DATA			DRIVE	SONES OR NC	UNIT WEIGHT	REMARKS
	MAKE	MODEL NO.					HP	RPM	VOLTS-PH-HZ				
EF-1	GREENHECK	SP-80	JANITOR CLOSET EXHAUST	80	0.20	482	-	900	120-1-60	DIRECT	2.0	-	1,2,5,8,9
EF-2	GREENHECK	G-090	MEN BATHROOM/LOCKER	500	1.25	1550	1/25	-	120-1-60	DIRECT	7.5	-	1,5,8,10
EF-3	RELOATED	-	WOMEN BATHROOM/LOCKER	150	-	-	-	-	-	DIRECT	1.5	-	1,5,8,10

GENERAL FAN NOTES:

1. PROVIDE DISCONNECTS AND ALL ASSOCIATED CONTROLS
2. PROVIDE BACKDRAFT FOR ALL EXHAUST FANS.
3. FIELD ADJUST OPENINGS WITH STRUCTURE.
4. ALL OUTDOOR EQUIPMENT SHALL COMPLY WITH LOCAL ZONING NOISE ORDINANCE OR NOT EXCEED A NOISE LEVEL OF 55dB AS MEASURED RADIALLY 15 FT. FROM THE EQUIPMENT IN ALL DIRECTIONS.
5. COORDINATE WITH ELECTRICAL CONTRACTOR BEFORE BIDDING OR ORDERING ANY EQUIPMENT.
6. SEE GENERAL, AIR CONDITIONING, DUCTWORK, AND COORDINATION NOTES FOR OTHER FIELD SUPPLIED ITEMS.
7. PROVIDE MOTOR HEATERS SIZED AS REQUIRED FOR FIELD CONDITIONS.
8. PROVIDE BIRDSCREEN ON ALL INLETS AND OUTLETS.
9. INTER-LOCK WITH LIGHT SWITCH
10. RUN CONTINUOUSLY

EXHAUST AIR SUMMARY (FBC TABLE 403.3)

AREA	SYSTEM	GR/NET SQ. FT.	CFM EXHAUST/ SQ. FT.	FIXTURE COUNT	CFM EXHAUST/ FIXTURE	CFM EXHAUST REQ.	PROVIDE EXHAUST
MEN BATHROOM/LOCKER	EF-2	200/LOCKER RM	.25	-	-	50	50
MEN BATHROOM/LOCKER	EF-2	BATHROOM	-	7	50	350	350
MEN BATHROOM/LOCKER	EF-2	SHOWER	-	5	20	100	100
WOMEN BATHROOM/LOCKER	EF-3	85/LOCKER RM	.25	-	-	22	25
WOMEN BATHROOM/LOCKER	EF-3	BATHROOM	-	2	50	100	100
WOMEN BATHROOM/LOCKER	EF-3	85/LOCKER RM	.25	1	20	20	25

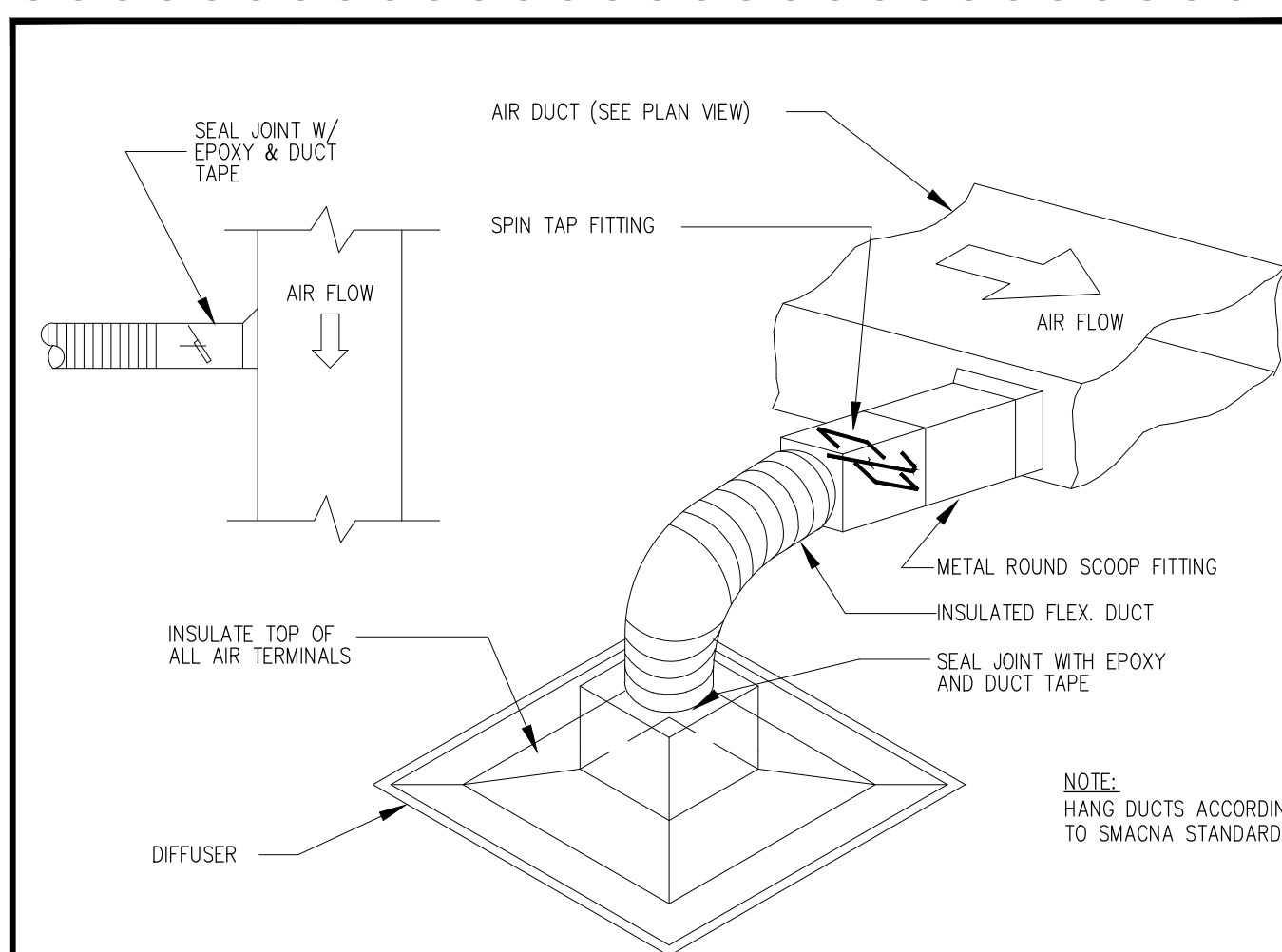
EF-2 TOTAL= 500 CFM
EF-2 TOTAL= 150 CFM

AIR DISTRIBUTION SCHEDULE

DIFFUSER TYPE					
DIFFUSER CFM					
TAG	MANUFACTURER & MODEL NO.	NECK SIZE	CFM	NOTES:	
A	TITUS TDC-AA	6	0-100	ALUMINUM CEILING DIFFUSER	
		8	101-299	LOUVERED FACE	
		10	300-450	OPPOSED BLADE DAMPER	
		12	451-600	12x12 MODULE BORDER TYPE 1 (SURFACE) NC LEVEL < 30	
B	TITUS 50F	24x24	0-800	ALUMINUM EGGRATE RETURN GRILLE	
		6	0-100	1/2x1/2x1/2 CORE	
		8	101-299	BORDER TYPE 1 (SURFACE) NC LEVEL < 30	

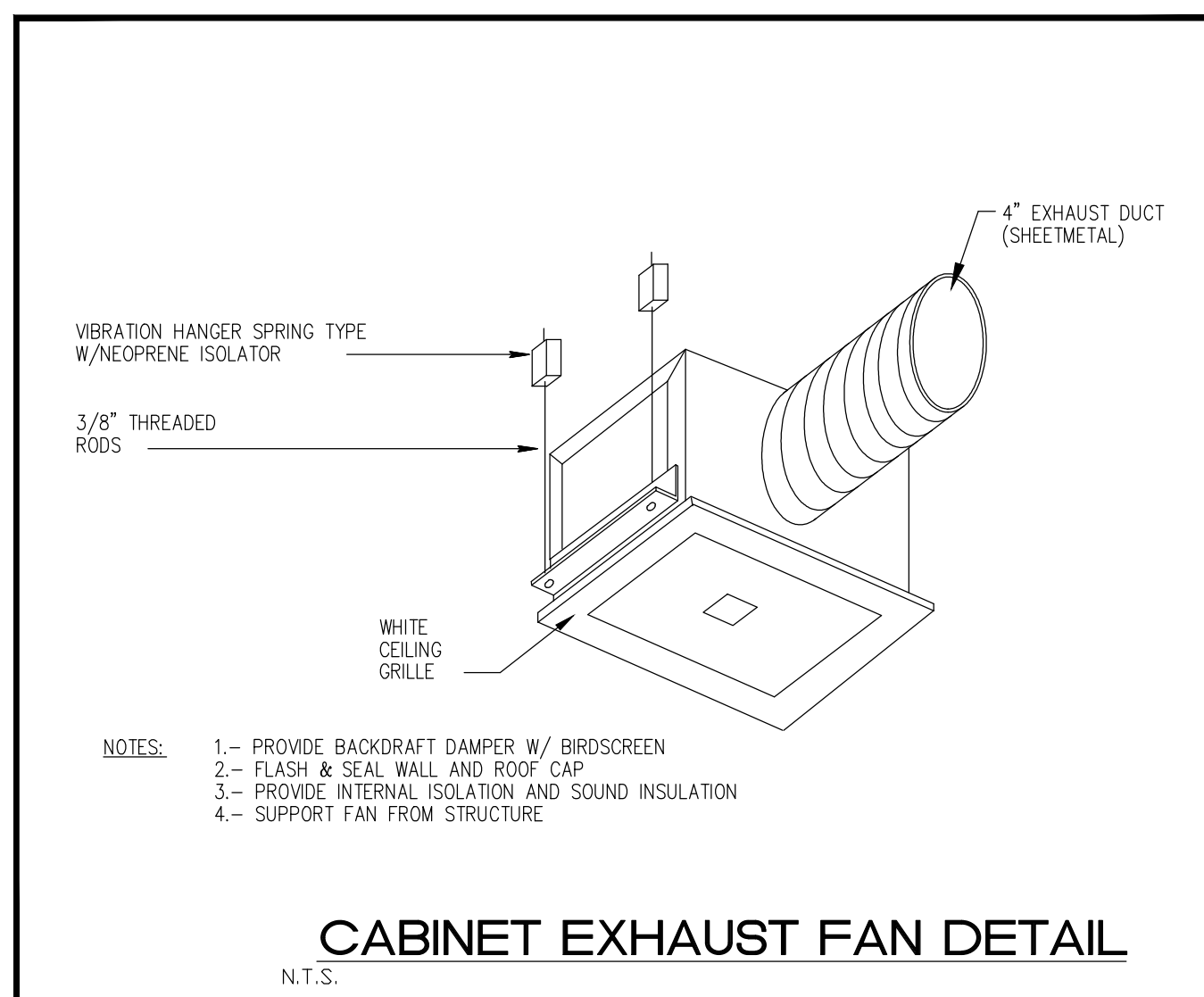
NOTES:

1. ALL FINISHES TO BE WHITE UNLESS OTHERWISE DIRECTED BY THE OWNER OR ARCHITECT.



FLEXIBLE DUCT CONNECTION DETAIL

N.T.S.



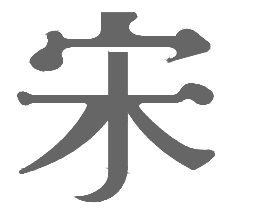
CABINET EXHAUST FAN DETAIL

N.T.S.

ABBREVIATIONS

- CFM - CUBIC FEET PER MINUTE.
- S/A - SUPPLY AIR.
- R/A - RETURN AIR.
- MVD - MANUAL VOLUME DAMPER

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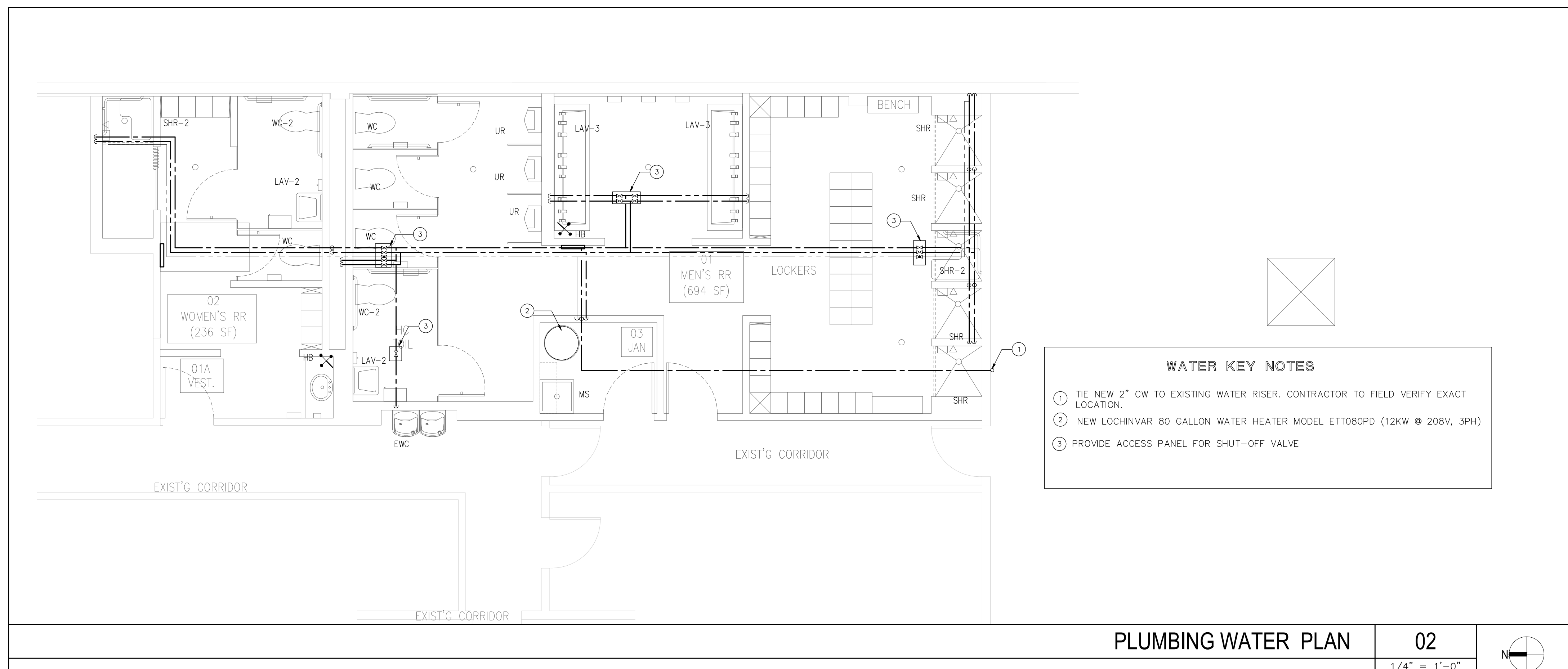
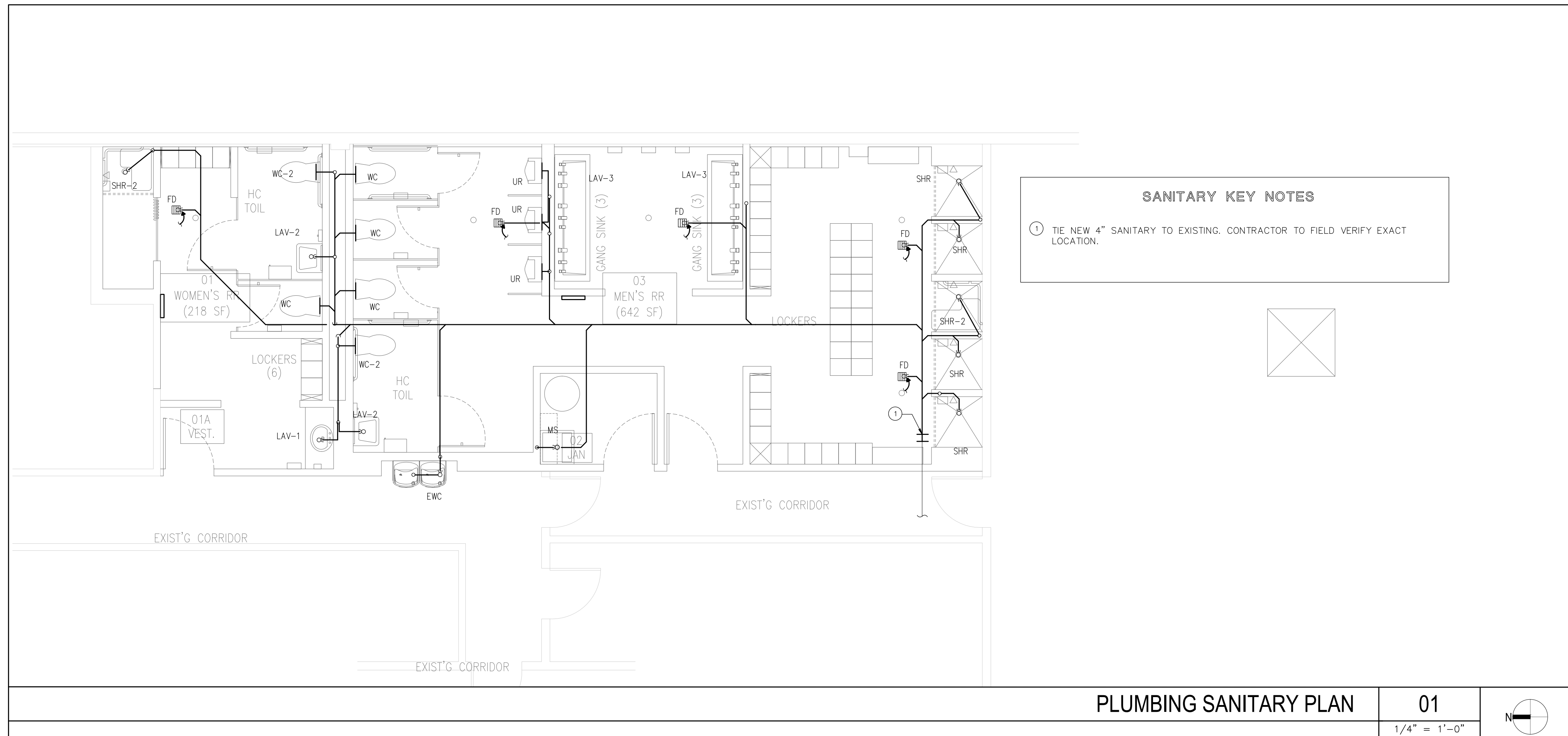
100% CONSTRUCTION
DOCUMENTS

Sheet Title :

PLUMBING
SANITARY AND
WATER FLOOR
PLAN

Sheet # :

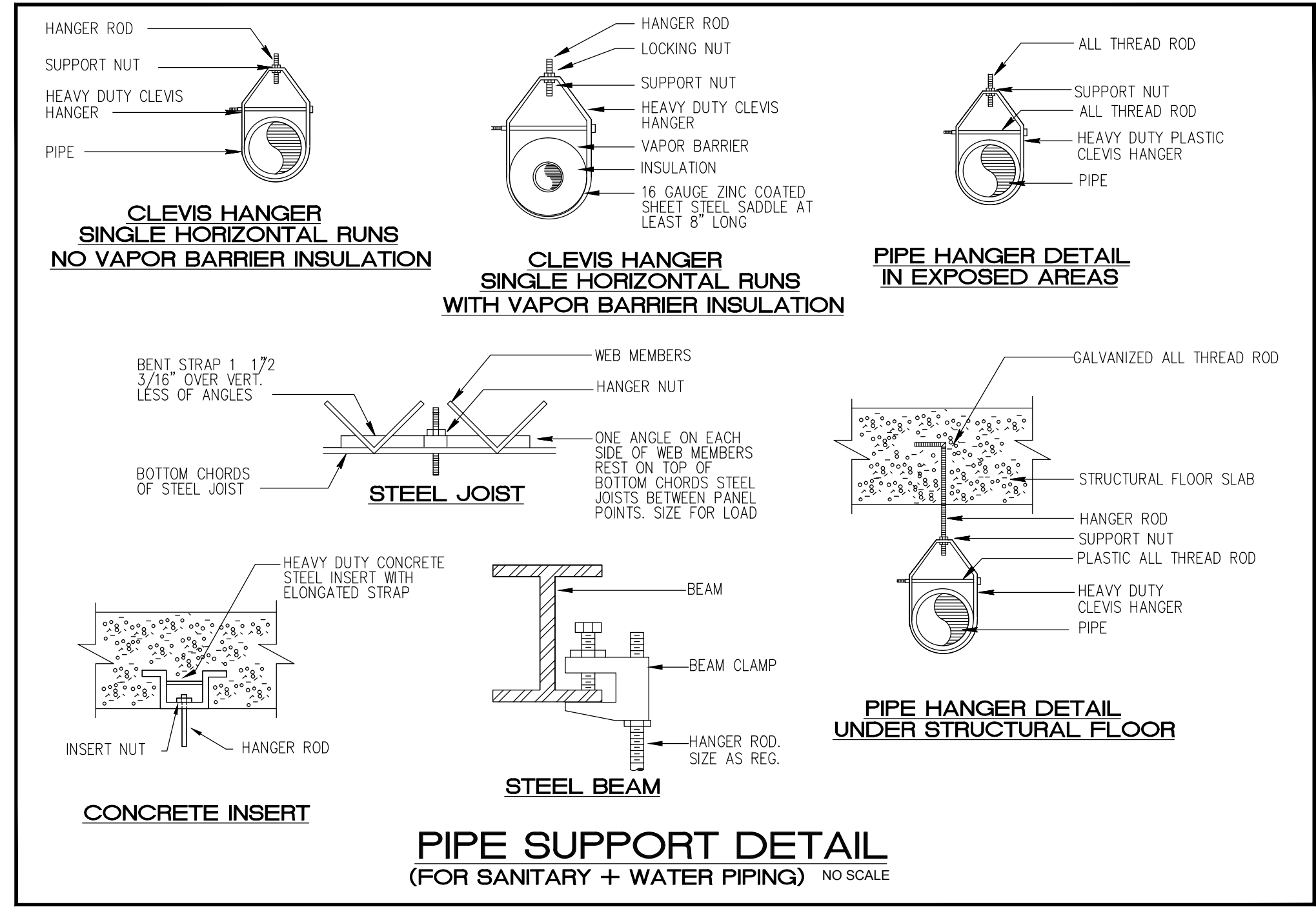
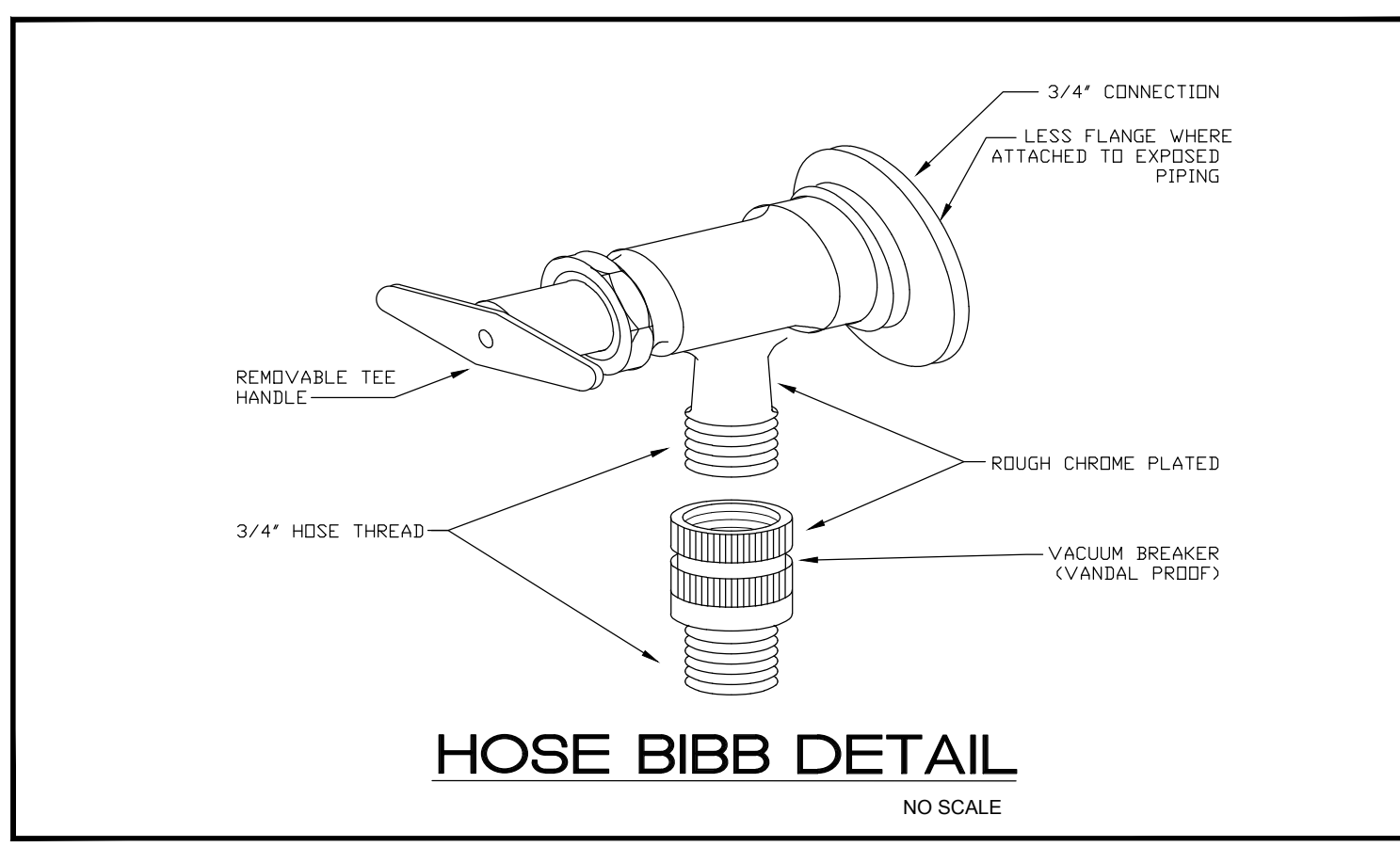
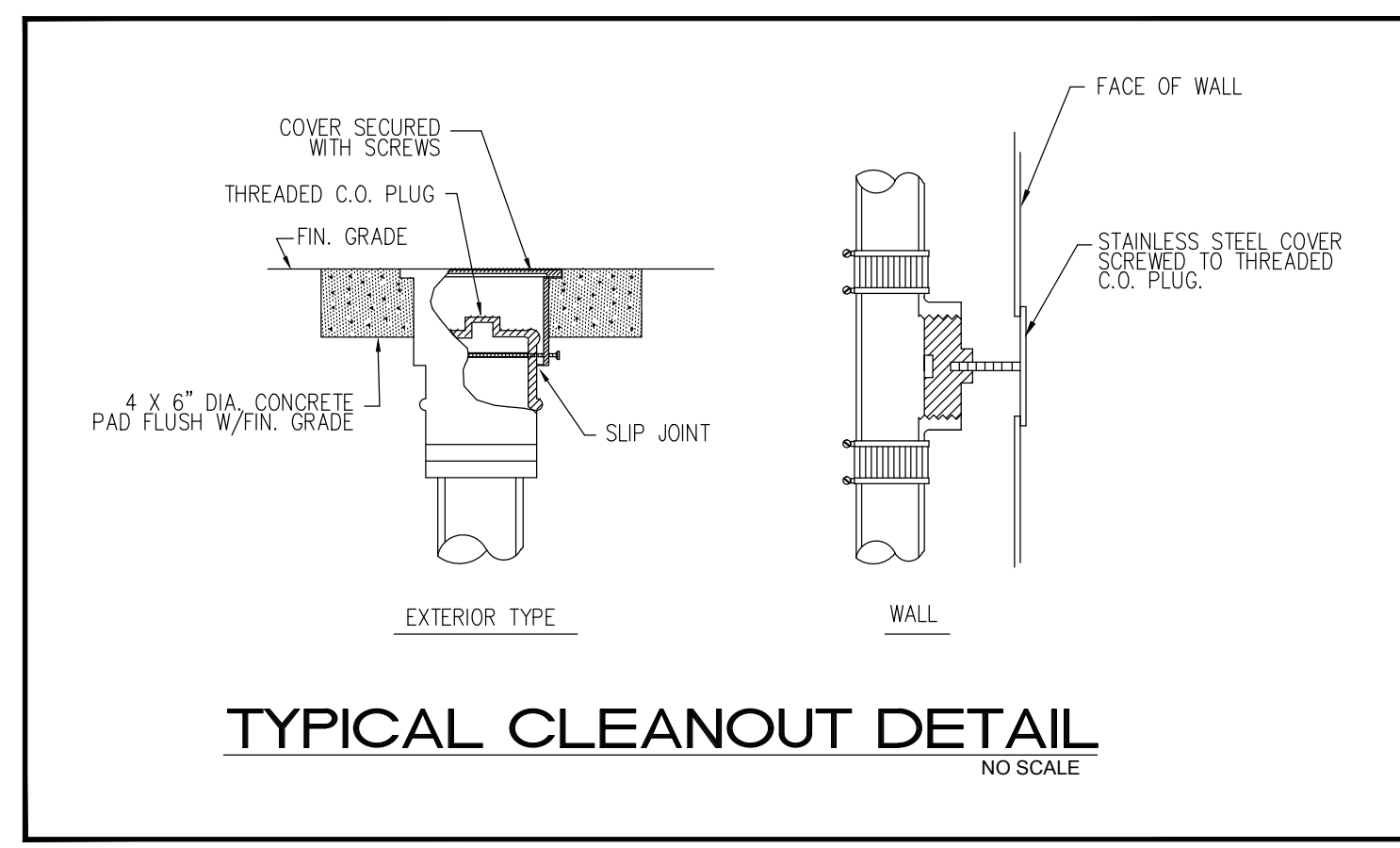
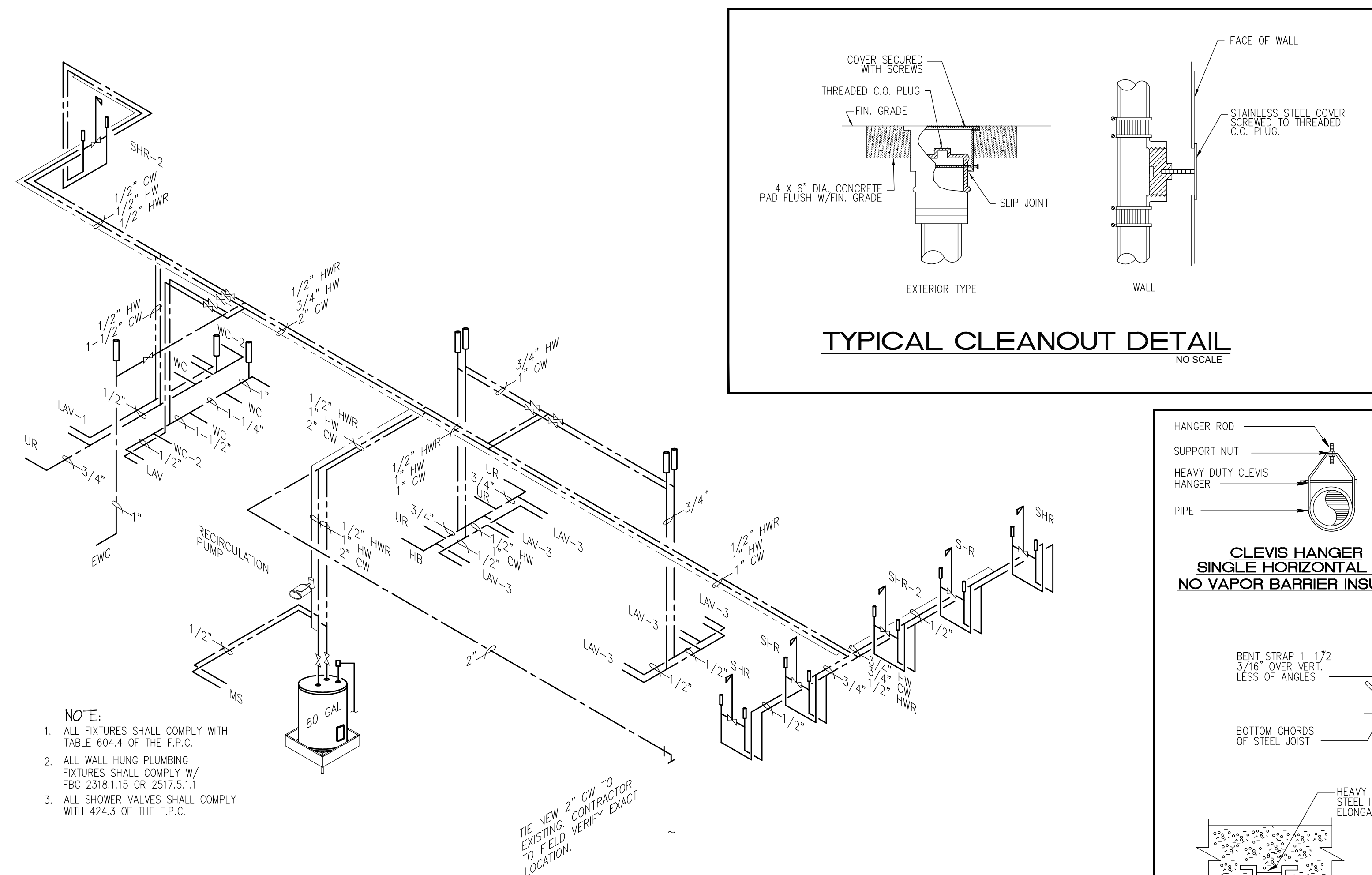
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BID DOCUMENTS
Sept. 16, 2016

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- GENERAL PLUMBING NOTES:**
- ALL WORK SHALL BE DONE IN ACCORDANCE WITH THE FLORIDA 2010 BUILDING CODE (PLUMBING) AND WITH ALL APPLICABLE REGULATIONS.
 - DRAWINGS REFER TO ALL DRAWINGS FOR COORDINATION OF THE PLUMBING WORK.
 - ARRANGE AND PAY FOR ALL PERMITS, LICENSES, INSPECTIONS AND TESTS. OBTAIN THE REQUIRED CERTIFICATES AND PRESENT TO OWNER.
 - GUARANTEE: THE COMPLETED INSTALLATION SHALL BE FULLY GUARANTEED AGAINST DEFECTIVE MATERIALS AND/OR IMPROPER WORKMANSHIP FOR A MINIMUM OF ONE YEAR FOR MATERIAL AND LABOR.
 - ALL HORIZONTAL SANITARY PIPING SHALL SLOPE AT 1/8 INCH PER FOOT MINIMUM FOR 3" AND LARGER AND AT 1/4" SLOPE FOR 2" PIPES AND SMALLER.
 - PLUMBING FIXTURES: FIXTURES SHALL BE AS SELECTED BY TENANT AND INSTALLED BY THIS CONTRACTOR. FIXTURES SHALL BE COMPLETE WITH DRAINS, TRAPS, SUPPLIES AND ANY OTHER ACCESSORY REQUIRED. FIXTURES AND FAUCETS SHALL COMPLY WITH THE FLORIDA BUILDING CODE 2010 WATER SAVING STANDARDS.
 - MATERIALS:
 - PIPEING:
 - SOIL, WASTE AND VENT: SCHEDULE 40 PVC
 - DOMESTIC WATER: TYPE M COPPER
ISOLATE PIPING FROM CONCRETE WITH INSULATING MATERIAL.
 - DOMESTIC WATER SUPPLY ASSEMBLY: CHROME FINISH TUBING WITH ANGLE SHUT OFF VALVES.
 - PIPING TEST AND DISINFECTIONS:
 - TEST: ALL SANITARY AND DOMESTIC WATER SUPPLY PIPING SHALL BE TESTED FOR LEAKS BEFORE PIPING IS CONCEALED OR CONNECTED TO EQUIPMENT AND PLUMBING FIXTURES.
 - DISINFECTION: ALL DOMESTIC WATER PIPING SHALL BE DISINFECTED BY INTRODUCING A SOLUTION OF CALCIUM HYPOCHLORITE OF 50 PARTS PER MILLION OF CHLORIDE AND AS PER ANWA STANDARDS.
 - VALVES: DOMESTIC WATER VALVES SHALL BE OF BRONZE BODY, SWEAT ENDS.
 - CONTRACTOR SHALL COORDINATE EXACT LOCATION OF SANITARY AND DOMESTIC WATER PIPING BEFORE STARTING ANY WORK. NOTIFY ARCHITECT/ENGINEER OF ANY DEVIATIONS FROM DESIGN DRAWINGS.
 - CONTRACTOR SHALL PIPE PROTECTION UNDERNEATH ALL ADA LAVATORIES AND SINKS TO COMPLY WITH ADA CODE.
 - NO COMBUSTIBLE MATERIAL SHALL BE USED IN MECHANICAL ROOMS OR IN CEILING SPACES WHERE USED AS RETURN AIR PLENUMS.
 - CONTRACTOR SHALL COORDINATE EXACT LOCATION OF SANITARY AND DOMESTIC WATER PIPING BEFORE STARTING ANY WORK. NOTIFY ARCHITECT/ENGINEER OF ANY DEVIATIONS FROM DESIGN DRAWINGS.

PLUMBING SYMBOL LEGEND

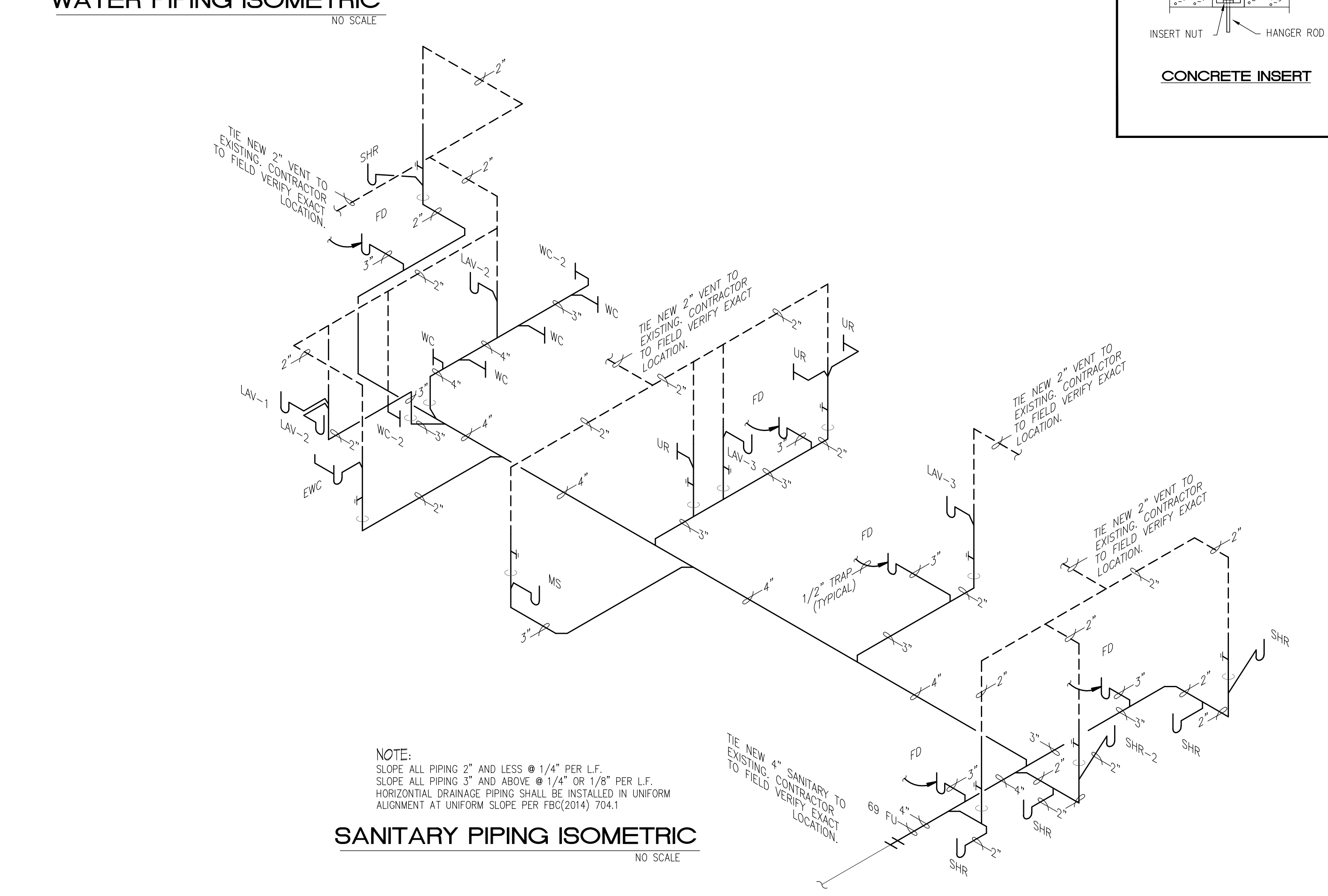
SYMBOL	DESCRIPTION
	EXISTING SANITARY LINE
	EXISTING VENT LINE
	SANITARY LINE
	VENT LINE
	EXISTING COLD WATER LINE
	EXISTING HOT WATER LINE
	COLD WATER LINE
	HOT WATER LINE
	GATE VALVE
	FLOOR PENETRATION
	HAMMER ARRESTOR
	WALL CLEANOUT
	CONNECT TO EXISTING

PLUMBING FIXTURE SCHEDULE

NAME	FIXTURE	MODEL #	ACCESSORIES
WC-2	ADA WATER CLOSET	AMERICAN STANDARD MADERA 2854.128 ELONGATED (1.28 G.P.F)	CHURCH OPEN FRONT SEAT, AMERICAN STANDARD FLOWISE MANUAL FLUSH VALVE MODEL 6047.121
WC	WATER CLOSET	AMERICAN STANDARD MADERA 2854.128 ELONGATED (1.28 G.P.F)	CHURCH OPEN FRONT SEAT, AMERICAN STANDARD FLOWISE MANUAL FLUSH VALVE MODEL 6047.121
EWC	ELECTRIC WATER COOLER	EKAY EZSTL8	1/2" SUPPLY PIPES, MCGUIRE ANGLE STOPS & ADJUSTABLE "P" TRAP.
L-1	DROP-IN LAVATORY	AQUALYN #0476.028	ZURN #Z-7440 FAUCET 3/8" FLEXIBLE SUPPLY PIPE, MCGUIRE ANGLE STOPS & ADJUSTABLE "P" TRAP WITH MCGUIRE 155WC GRID DRAIN
LAV-2	WALL HUNG LAVATORY	BY OWNER	ZURN #Z-7440 FAUCET 3/8" W # S-3440 DRAIN FAUCET 3/8" FLEXIBLE SUPPLY PIPE, MCGUIRE ANGLE STOPS & ADJUSTABLE "P" TRAP
LAV-3	TRIPLE STATION LAVATORY	BRADLEY VERGE LVRD3-IR6	TRIPLE SINK WITH INTEGRATED FAUCET FLEXIBLE SUPPLY PIPE, MCGUIRE ANGLE STOPS & ADJUSTABLE "P" TRAP WITH MCGUIRE 155WC GRID DRAIN
SHR	SHOWER (COMMERCIAL)	SYMMONS #96-1	1/2" SUPPLY PIPES AND SHOWER TRAY & STALL (TO BE SELECTED BY ARCHITECT) WITH 2" FLOOR DRAIN
SH-2	SHOWER H.C.	SYMMONS #96-500-30	1/2" SUPPLY PIPES AND SHOWER TRAY & STALL (TO BE SELECTED BY ARCHITECT) WITH 2" FLOOR DRAIN
UR	URINAL	ALLBROOK #6541.132.	WALL HANGING KIT W/ ZURN Z-1222 FLOOR MOUNTED CARRIER. FLUSH VALVE ZURN Z-6003XL-WS1.
MS	MOP SINK	FIAT #MSB2424	WALL GUARD - WC ZURN Z-841 M-RC DRAIN - SD

* ALL PLUMBING FIXTURES SHALL BE APPROVED BY ARCHITECT/OWNER

FIXTURE	WATER PIPE SIZE	NOMINAL SAN. SIZE	MAXIMUM FLOW RATES
WATER CLOSET (FLUSH VALVE)	1"	3"	1.28 GPM
LAVATORY	1/2"	1 1/4"	.5 GPM



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FAC 61G15 COMPLIANCE NOTES

APPLICABLE CODES AND STANDARD

1. FLORIDA BUILDING CODE, 2014 5TH EDITION.
2. FLORIDA BUILDING CODE PREVENTION CODE, 2007 EDITION
3. NFPA-13, 2010 EDITION

CLASSIFICATION FO HAZARD COCCUPANCY FOR EACH ROOM AREA

- LIGHT HAZARD OCCUPANCIES
CLASSROOM, BATHROOM, OFFICE
- ORDINARY HAZARD GROUP 1
STORAGE, EQUIPMENTS ROOMS

DESIGN APPROACH

LIGHT HAZARD AREAS: SPRINKLER SYSTEM SHALL BE ATTACHED AND SUPPLIED FROM MAIN SERVICE RISER AS INDICATED ON DRAWINGS. SYSTEM SHALL BE EXTENDED INTO ALL PROTECT AREAS IN ACCORDANCE WITH NFPA-13. U.L. LIGHT HAZARD LISTED AND APPROVED PENDENT AND UPRIGHT QUICK-RESPONSE STANDARD COVERAGE SPRINKLER HEADS SHALL BE PROVIDE. HEADS SHALL BE RATED AT 155°F. HYDRAULIC CALCULATION SHALL BE PERFORMED IN ACCORDANCE WITH NFPA-13, SECTION 7-2.3.3 AND IN STRICT ACCORDANCE WITH SPRINKLER HEAD LISTING. REMOTE AREA SHALL BE A MINIMUM OF 1,500 SQ. FT. DENSITY SHALL BE 0.10 GPM PER SQ. FT. MAXIMUM SPACING OF SPRINKLER HEADS SHALL NOT EXCEED MANUFACTURE'S LIGHT HAZARD SPECIFICATIONS.

ORDINARY HAZARD AREAS: SPRINKLER SYSTEM SHALL BE ATTACHED AND SUPPLIED FROM MAIN SERVICE RISER AS INDICATED ON DRAWINGS. SYSTEM SHALL BE EXTENDED INTO ALL PROTECT AREAS IN ACCORDANCE WITH NFPA-13. U.L. LIGHT HAZARD LISTED AND APPROVED PENDENT AND UPRIGHT QUICK-RESPONSE STANDARD COVERAGE SPRINKLER HEADS SHALL BE PROVIDE. HEADS SHALL BE RATED AT 155°F. HYDRAULIC CALCULATION SHALL BE PERFORMED IN ACCORDANCE WITH NFPA-13, SECTION 7-2.3.3 AND IN STRICT ACCORDANCE WITH SPRINKLER HEAD LISTING. REMOTE AREA SHALL BE A MINIMUM OF 1,500 SQ. FT. DENSITY SHALL BE 0.15 GPM PER SQ. FT. MAXIMUM SPACING OF SPRINKLER HEADS SHALL NOT EXCEED 130 SF.

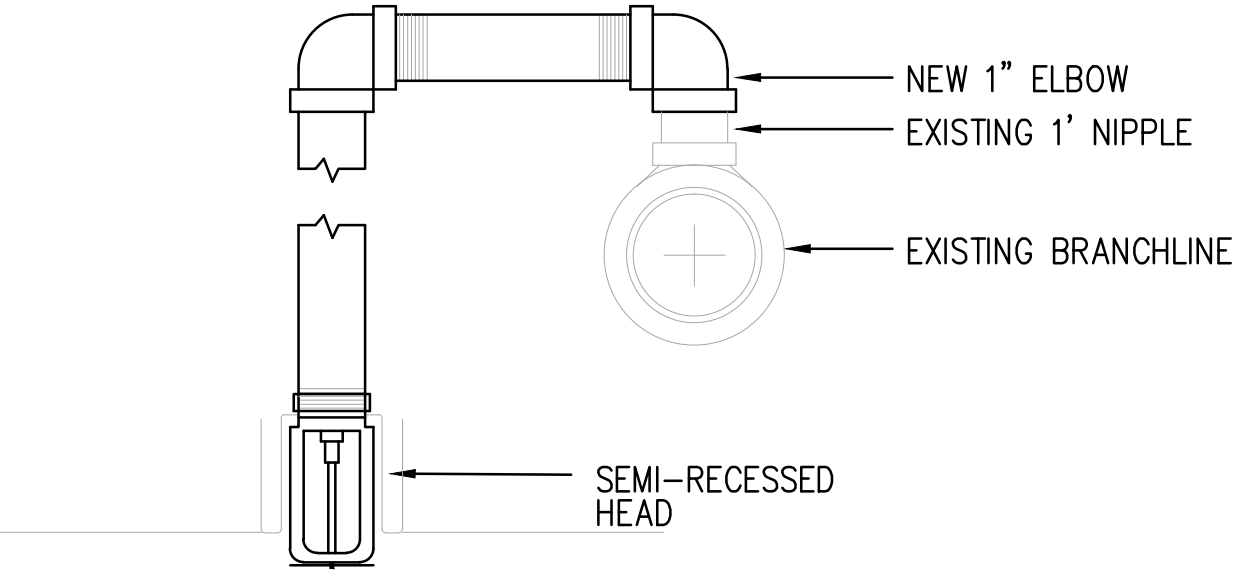
FIRE PROTECTION NOTES

1. THE FIRE PROTECTION SYSTEM INSTALLATION AND MATERIALS SHALL BE IN COMPLIANCE WITH THE FLORIDA BUILDING CODE, NFPA 13 (2007) AND NFPA 24 REQUIREMENTS.
2. SPRINKLER SYSTEM TO BE INSTALLED BY A STATE CERTIFIED FIRE PROTECTION CONTRACTOR.
3. CONTRACTOR SHALL COORDINATE WITH STRUCTURE, CEILING GRID AND ELEVATION, AND OTHER MECHANICAL AND ELECTRICAL SERVICES BEFORE FABRICATING AND INSTALLING SPRINKLER PIPING. MAKE OFFSETS IN PIPING AS REQUIRED PER FIELD CONDITIONS. MAINTAIN 6" CLEARANCE BETWEEN PIPING AND 1 AND 2 HOUR RATED WALLS INCLUDING CORRIDOR WALLS.
4. SPRINKLER HEADS SHALL BE U.L. LISTED AS INDICATED IN SCHEDULE RATED FOR 175 PSI WORKING PRESSURE, AND PROVIDED IN ACCORDANCE WITH SCHEDULE SHOWN ON THIS SHEET PROVIDE HEAD GUARDS ON UPRIGHT AND PENDENT SPRINKLER HEADS LOCATED IN MECHANICAL ROOMS, AND ELECTRICAL ROOMS.
5. ABOVE GROUND PIPING SHALL BE ALLIED "XL" THREADABLE U.L. LISTED 1" THRU 3" AND/OR SCHEDULE 10 BLACK STEEL PIPING 2" AND UP IN SIZE DRAIN RISER SHALL BE ALLIED "XL". STEEL PIPING EXPOSED TO WEATHER, SHALL BE SCHEDULE 40 ASTM A53 GALVANIZED. PROVIDE U.L. LISTED CLASS 125 CAST IRON THREADED FITTINGS, AND/OR U.L. LISTED GROOVED MECHANICAL PIPE FITTINGS FOR SIZE UP TO 2". ALL STEEL PIPE FITTINGS 2 1/2" AND LARGER SHALL BE U.L. LISTED GROOVED MECHANICAL PIPE FITTINGS. ALL GROOVED END 90° ELBOWS SHALL BE LONG RADIUS. CONTRACTOR TO MAKE ALL NECESSARY OFFSETS PER JOB CONDITION AND INSTALL PIPING TIGHT TO STRUCTURE WHERE POSSIBLE. PIPING MATERIAL SHALL BE LISTED FOR 175 PSI WWP. ALL MATERIALS SHALL BE OF DOMESTIC MANUFACTURER AND U.L. LISTED. ALL FITTINGS SHALL BE PROVIDED BY THE SAME MANUFACTURER.
6. SPRINKLER HEADS SHALL BE A MINIMUM OF 18" ABOVE ANY FLOOR OBSTRUCTION, SHELVES OR CABINETS.
7. PRESSURE TEST ABOVE GROUND PIPING HYDROSTATICALLY AT 200 PSIG FOR 2 HOURS IN ACCORDANCE WITH NFPA-13. FLUSH OUT ALL PIPING IN ACCORDANCE WITH NFPA-13. PROVIDE TYPED AND COMPLETED NFPA-13 TEST CERTIFICATE FOR ABOVEGROUND AND UNDERGROUND PIPING.
8. CONTRACTOR SHALL INSTALL SPRINKLERS UNDER DUCTS & OTHER OBSTRUCTIONS OVER 4 FEET IN WIDTH. INSTALL IN EQUIPMENT ROOMS WITH CEILINGS.
9. CONTRACTOR SHALL SUBMIT SIGNED AND SEALED SHOP DRAWINGS TO THE CITY AND ENGINEER FOR APPROVAL, WITHIN 30 DAYS OF SIGNING CONTRACT, A MINIMUM OF 5 COPPIES OF FULLY DESCRIPTIVE, LITERATURE, INCLUDING BUT NOT LIMITED TO: SPRINKLER PIPING, AND SPRINKLER HEADS. NO WORK SHALL PROCEED WITHOUT THE APPROVAL OF THESE SUBMITTALS.

NOTE:

CONTRACTOR TO PROVIDE 1" ARM OVER FROM EACH SPRINKLER TO NEW HEAD. MAXIMUM OF 2 NEW SPRINKLER HEADS ON CAN BE CONNECT TO EXISTING 1" LINE. CONTRACTOR TO RISE EXISTING SPRINKLER LINE AS REQUIRED TO COORDINATE WITH NEW CEILING HEIGHT.

*ARM OVER GREATER THAN 24" IN LENGTH SHALL BE SUPPORTED BY A HANGER.



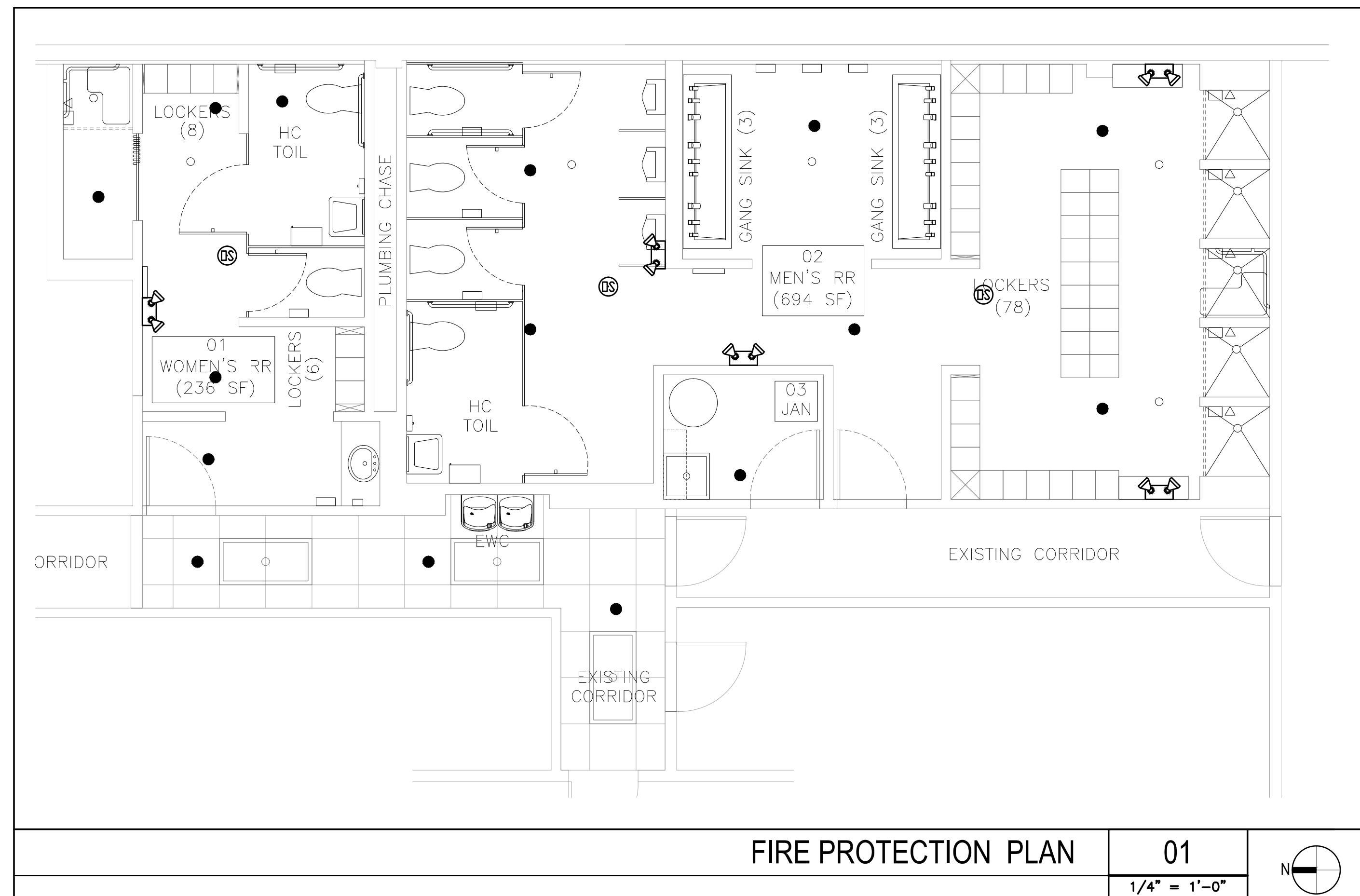
RELOCATION DETAIL
N.T.S.

FIRE PROTECTION LEGEND

---	EXISTING SPRINKLER PIPE
—	NEW SPRINKLER PIPE
●	NEW SEMI-RECESSED SPRINKLER HEAD
○	NEW UPRITHT SPRINKLER HEAD
○	EXISTING SPRINKLER HEAD TO REMAIN
⊗	EXISTING SPRINKLER HEAD TO BE REMOVE
→	DN PIPE DOWN
↘	DP PIPE DROP

FIRE SPRINKLER HEAD SCHEDULE

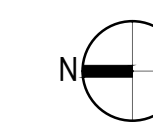
SYM.	TYPE	ORIFICE SIZE	TEMP RATING	K FACTOR	COVERAGE AREA (WXL)	MODEL
●	SEMI-RECESSED	1/2"	165° F	5.6	15'x15'	TYCO SERIES TY3111



FIRE PROTECTION PLAN

01

1/4" = 1'-0"



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Sept. 16, 2016



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CITY OF WEST
PALM BEACH,
FLORIDA

O & M COMPLEX
BLDG #2
RESTROOMS
RENOVATIONS

1045 CHARLOTTE AVE.
WEST PALM BEACH, FL 33401

Key Plan:

Revisions :
1 PERMIT COMMENTS
9-15-16

Date : 06/03/16

S+A Project No : 15031

Owner:

Drawn By : BN

Checked By : BN

Phase :
100% CONSTRUCTION
DOCUMENTS

Sheet Title :

FIRE PROTECTION
PLAN

Sheet # :

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