

# TENANT BUILD-OUT AT EYSTER INDUSTRIAL



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C.O.A.: 25988  
DDC PROJECT NO.: 22024

CONSULTANTS:

DATE  
**MARCH 1, 2022**

REVIEW SET   
PERMIT SET   
BID SET   
CONSTRUCTION SET   
AS BUILT

REVISIONS

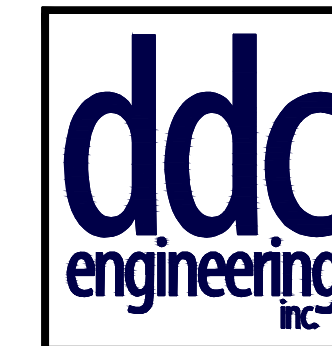
NO. DATE DESCRIPTION REVISION #1

1 5/16/22

## DRAWINGS INDEX:

SHT NO	TITLE
G-1	COVER SHEET
A-1	ARCHITECTURAL PLAN
M-1	MECHANICAL LEGEND AND SPECIFICATIONS
M-2	MECHANICAL PLAN
P-1	PLUMBING SPECIFICATIONS AND PLAN
E-1	ELECTRICAL SPECIFICATIONS AND PLAN
E-2	ELECTRICAL SCHEDULES AND RISER

## MECHANICAL AND ELECTRICAL ENGINEERS



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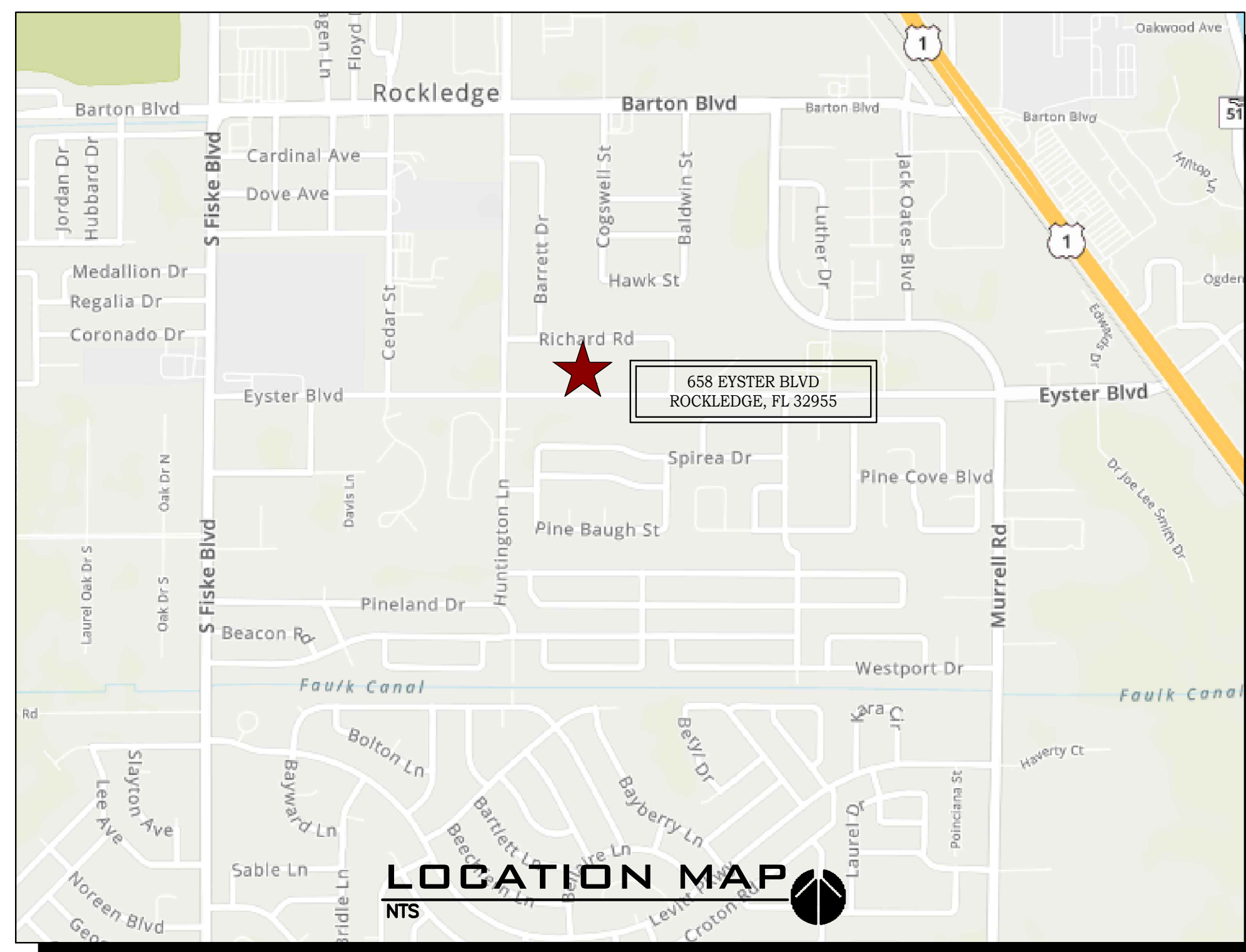
## STATEMENT OF COMPLIANCE

PROJECT LOCATION/GOVERNING AGENCY JURISDICTION:  
CITY OF ROCKLEDGE, FLORIDA

ALL WORK SHALL BE IN COMPLIANCE WITH THE FOLLOWING CODES, BUT NOT LIMITED TO:  
7TH EDITION OF THE 2020 FLORIDA BUILDING CODE - BUILDING (FBCB)  
7TH EDITION OF THE 2020 FLORIDA BUILDING CODE - EXISTING BUILDING (FBCEB)  
7TH EDITION OF THE 2020 FLORIDA BUILDING CODE - ACCESSIBILITY (FBCA)  
7TH EDITION OF THE 2020 FLORIDA BUILDING CODE - ENERGY CONSERVATION (FBCEC)  
7TH EDITION OF THE 2020 FLORIDA BUILDING CODE - MECHANICAL (FBCM)  
7TH EDITION OF THE 2020 FLORIDA BUILDING CODE - PLUMBING (FBCEP)  
7TH EDITION OF THE 2020 FLORIDA BUILDING CODE - FUEL GAS (FBCFG)  
7TH EDITION OF THE 2020 FLORIDA FIRE PREVENTION CODE (FFPC)  
NFPA 70 - 2014 NATIONAL ELECTRICAL CODE (NEC)

## BUILDING DATA

THE EXISTING BUILDING IS COMPRISED FULLY OF NON-COMBUSTIBLE CONSTRUCTION AND IS NON-SPRINKLED, NON-PROTECTED, TYPE IIB. OCCUPANCY TYPE - (B) BUSINESS  
THE GSF OF EXISTING BUILDING IS 5,600 GSF  
TOTAL GROSS FLOOR AREA FOR BUILDOUT (1,867 GSF)



## LIFE SAFETY REVIEW

**BUILDING CLASSIFICATIONS:**  
CONSTRUCTION TYPE - TYPE IIB, NON-COMBUSTIBLE, NON-SPRINKLERED, NON-PROTECTED  
ALLOWABLE SQUARE FOOTAGE, 23,000 NON-SPRINKLERED PER T506.2 FBC 2017, 7TH ED.  
OCCUPANCY TYPE - (B) BUSINESS

**OCCUPANCY REQ'S:**  
1. (B) BUSINESS OCCUPANCY  
AREA OF BUSINESS SPACE SUITE: 1,867 GSF / 100 GSF PER OCC [T.1004.1.2] = 19 OCC.  
22 OCC X .2 [FBC1005.3.2]= 3.8" EXIT WIDTH REQUIRED. 140" EXIT WIDTH PROVIDED FOR PROPOSED BUSINESS TENANT SPACE.  
EXIT ACCESS TRAVEL DISTANCE WITHOUT SPRINKLER SYSTEM IN 'B' BUSINESS OCCUPANCY [FBC 2017, 7TH ED. T.1017.2] = 200'  
100' COMMON PATH TRAVEL (FBC 2017, 7TH ED. T1006.2.1)  
19 TOTAL OCCUPANTS FOR PROPOSED TENANT SPACE 'B' OCCUPANCY, ONE RESTROOMS REQUIRED FOR PROPOSED TENANT SPACE (FBC-P T403.1)  
PER FBC 2020, 7TH ED. (T508.4). NO RATED TENANT SEPARATION REQUIRED BETWEEN 'B' BUSINESS OCCUPANCIES.

**EYSTER INDUSTRIAL  
TENANT BUILD-OUT**  
658 EYSTER BLVD.  
ROCKLEDGE FL, 32955

SHEET NO.:  
**G-1**

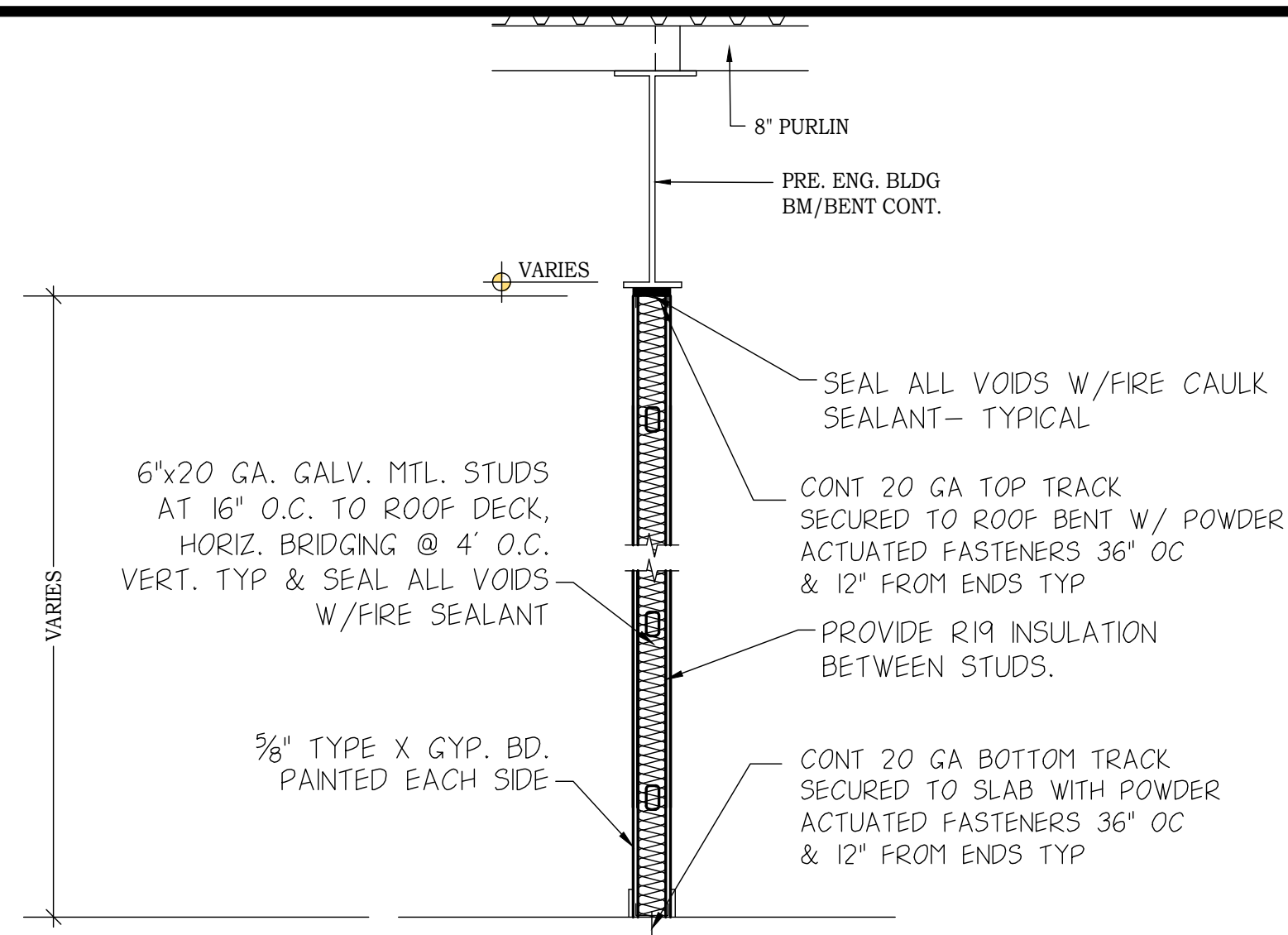
DRAWN: AJB  
CHECKED: JMF  
APPROVED: DAD

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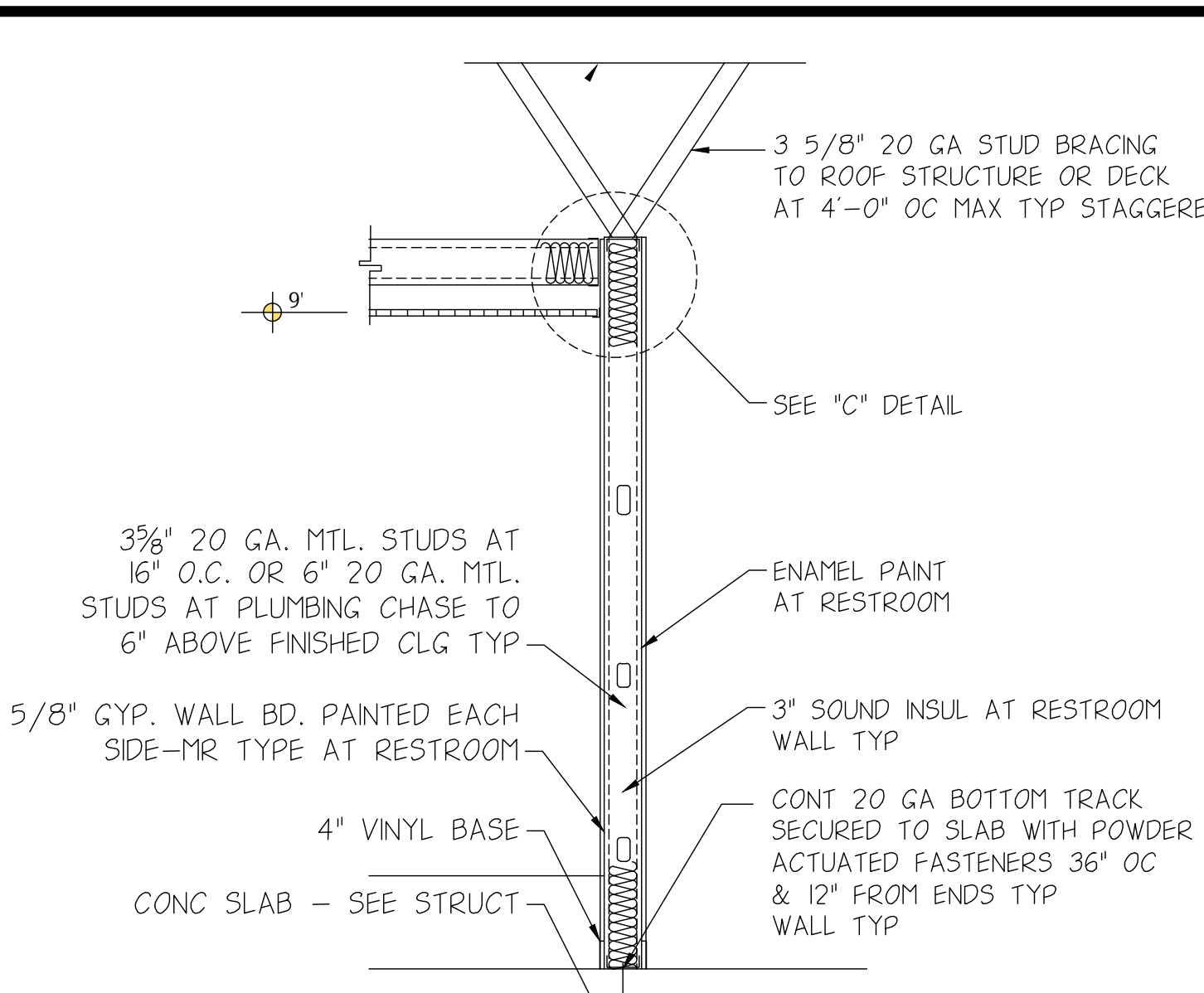
COVER SHEET

# GENERAL NOTES:

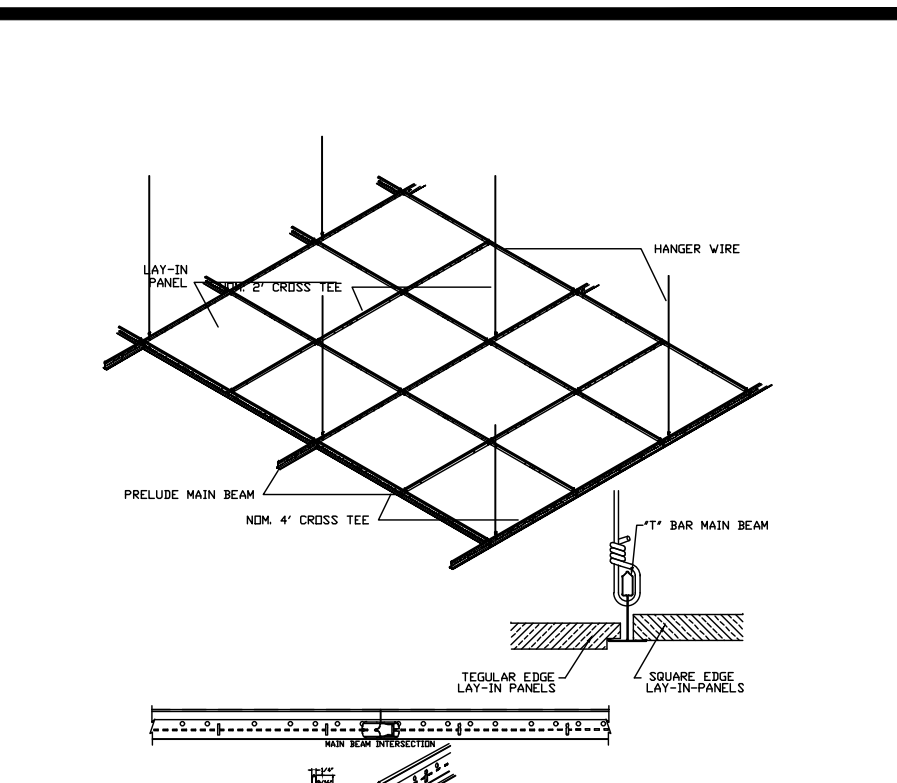
- A. BIDDERS/CONTRACTORS REPRESENTATIONS**
- BIDDER/CONTRACTOR IS REQUIRED BEFORE SUBMITTING HIS/HER PROPOSAL, TO VISIT THE SITE OF PROPOSED WORK AND FAMILIARIZE HIMSELF WITH NATURE AND EXTENT OF THE WORK TO BE DONE AND EQUIPMENT, MATERIALS, AND LABOR REQUIRED. HE IS ALSO REQUIRED TO EXAMINE THE DRAWINGS AND TO INFORM HIMSELF THOROUGHLY REGARDING ALL CONDITIONS AND REQUIREMENTS THAT MAY IN ANY MANNER AFFECT WORK TO BE DONE UNDER THE CONTRACT. IGNORANCE ON THE PART OF THE CONTRACTOR WILL IN NO WAY RELIEVE HIM OF OBLIGATIONS AND RESPONSIBILITY ASSUMED UNDER THE CONTRACT.
  - BIDDER/CONTRACTOR SHALL SUBMIT REQUESTS FOR CLARIFICATIONS TO THE DOCUMENTS IN WRITING 10 DAYS PRIOR TO BID DATE. SUBMIT ALL REQUESTS TO DDC INC.
  - BIDDER/CONTRACTOR IS ASSUMED TO BE FAMILIAR WITH FEDERAL, STATE AND LOCAL LAWS, ORDINANCES RULES AND REGULATIONS THAT IN ANY MANNER AFFECT THE WORK. IGNORANCE ON THE PART OF THE CONTRACTOR WILL IN NO WAY RELIEVE HIM FROM THE RESPONSIBILITY.
  - EACH CONTRACTOR/BIDDER SHALL SUBMIT A CONTRACTOR'S QUALIFICATION STATEMENT, AIA DOCUMENT A305 WITH THEIR BID.
  - THE SUCCESSFUL BIDDER AGREES TO COMMENCE WORK UNDER ITS CONTRACT WITHIN (10) DAYS FROM THE ISSUANCE OF THE NOTICE TO PROCEED, AND AGREES TO COMPLETE ALL WORK WITHIN THE SPEC'D TIME OUTLINED IN THE CONTRACT.
- B. CONFLICTS IN CONTRACT DOCUMENTS**
- WHERE CONFLICT EXISTS BETWEEN THE VARIOUS DISCIPLINES OF CONSTRUCTION DOCUMENTS, IT SHALL REMAIN THE CONTRACTORS RESPONSIBILITY TO NOTIFY THE ARCHITECT/ENGINEER (A/E) OF RECORD AND THE OWNER OF SUCH CONFLICT PRIOR TO COMMENCING ANY WORK IN QUESTION. FAILURE TO NOTIFY THE OWNER OF SUCH CONFLICT WILL NOT RELIEVE HIM OF RESPONSIBILITY UNDER THIS CONTRACT.
  - CONTRACTOR SHALL NOT PROCEED WITH ANY ADDITIONAL WORK OR CHANGES FOR WHICH HE EXPECTS ADDITIONAL COMPENSATION WITHOUT WRITTEN AUTHORIZATION TO PERFORM SUCH WORK FROM THE OWNER.
- C. GENERAL CONDITIONS**
- ALL WORK MENTIONED OR INDICATED IN THE CONTRACT DOCUMENTS SHALL BE PERFORMED BY THE CONTRACTOR AS PART OF THIS CONTRACT UNLESS IT IS SPECIFICALLY INDICATED IN THE CONTRACT DOCUMENTS THAT SUCH WORK IS TO BE DONE BY OTHERS. SHOULD THE DRAWINGS OR THE SPECIFICATIONS DISAGREE IN THEMSELVES OR WITH EACH OTHER, THE CONTRACTOR SHALL PROVIDE THE BETTER QUALITY OR GREATER QUANTITY OF WORK UNLESS OTHERWISE DIRECTED BY WRITTEN ADDENDUM TO THE CONTRACT.
  - THE MECHANICAL AND ELECTRICAL DRAWINGS ARE DIAGRAMMATIC ONLY, AND ARE NOT INTENDED TO SHOW THE ALIGNMENT, PHYSICAL LOCATIONS OR CONFIGURATIONS OF SUCH WORK. SUCH WORK SHALL BE INSTALLED WITHOUT ADDITIONAL COST TO THE OWNER TO CLEAR ALL OBSTRUCTIONS, PERMIT PROPER CLEARANCES FOR THE WORK OF OTHER TRADES, AND PRESENT AN ORDERLY APPEARANCE WHERE EXPOSED.
  - CONTRACTOR SHALL MAKE KNOWN TO THE OWNER ANY LIMITATIONS, EXCLUSIONS, OR MODIFICATIONS TO THE DOCUMENTS DURING THE PRICING PHASE OF THE PROJECT, UNLESS ADVISED OTHERWISE IN WRITING, THESE ITEMS SHALL BE PRESUMED INCLUDED IN THE CONTRACTOR'S PRICE.
  - THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR DISTRIBUTION OF COMPLETE SETS OF DRAWINGS TO ALL TRADES UNDER HIS JURISDICTION.
  - ANY INFORMATION REQUIRED BY THE CONTRACTORS THAT IS NOT SHOWN IN THE DRAWINGS OR CONTAINED IN OTHER CONTRACT DOCUMENTS (IF ANY) SHALL BE REQUESTED BY THE CONTRACTOR THROUGH THE OWNER.
  - SHOULD THE CONTRACTOR, BY HIS OWN FAULT, FAIL TO COMPLETE WORK BY THE AGREED UPON COMPLETION DATE, HE SHALL AT THE DISCRETION OF THE OWNER, PERFORM WORK ON PREMIUM TIME TO CONFORM WITH THE SCHEDULE. ANY EXPENSE INCURRED BY SUCH WORK SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.
  - GENERAL CONTRACTOR SHALL MAINTAIN A JOB SITE TELEPHONE OR SHALL BE REACHABLE BY MOBILE PHONE OR PAGER AT ALL TIMES.
  - THE CONTRACTOR IS TO PROVIDE ALL LABOR AND MATERIALS TO EXECUTE ALL WORK AS SHOWN ON THESE DRAWINGS WITH THE EXCEPTIONS OF THOSE ITEMS OR AREAS NOTED "NOT IN CONTRACT", "N.I.C.", OR "BY OTHERS"
  - THE GENERAL CONTRACTOR SHALL PROVIDE GENERAL CARPENTRY AND BLOCKING AS REQUIRED FOR THIS PROJECT WHICH MAY NOT FALL INTO THE JURISDICTION OF A SPECIFIC TRADE, BUT IS REQUIRED FOR THE PROPER JOB EXECUTION AND COMPLETION OF ALL CONSTRUCTION FOR THIS PROJECT.
  - ALL FEES, TAXES, PERMITS, APPLICATIONS, CERTIFICATES OF INSPECTION, AND THE FILING OF ALL WORK WITH GOVERNMENTAL AGENCIES, SHALL BE THE RESPONSIBILITY OF THE GENERAL CONTRACTOR.
  - CONTRACTOR SHALL AT ALL TIMES KEEP THE PREMISES FREE OF ACCUMULATION OF WASTE MATERIALS OR RUBBISH BY HIS OPERATIONS OR THE OPERATIONS OF ANY OTHER CONTRACTORS WITHIN THE AREA OF WORK. METHODS FOR SUCH REMOVAL MUST BE AGREEABLE TO THE OWNER.
  - PREMISES SHALL BE SWEEPED CLEAN DAILY OF CONSTRUCTION DEBRIS.
  - FINAL CLEANING PRIOR TO END USER OCCUPANCY SHALL INCLUDE (BUT NOT BE LIMITED TO): CLEANING OF ALL WOOD AND GLASS SURFACES, DUSTING OF ANY HORIZONTAL SURFACES, VACUUMING OF ANY CARPETING (IF SPECIFIED), REMOVAL OF ALL STAINS, SPOTS, SPILLS, ETC. ON ANY SURFACE, MOP CLEANING AND WAXING OF ALL RESILIENT FLOORS, AND CLEANING ALL VINYL WALL COVERINGS (IF SPECIFIED) FREE FROM DIRT, ADHESIVE, OR OTHER FOREIGN MATERIALS.
  - GENERAL CONTRACTOR AND HIS VENDORS SHALL DETERMINE AVAILABILITY OF ALL FINISH MATERIALS, TRADES, AND ITEMS SHOWN IN THESE DOCUMENTS. ANY DELIVERY THAT MAY CAUSE POTENTIAL PROBLEMS IN MEETING AGREED UPON CONSTRUCTION SCHEDULE SHALL BE BROUGHT TO THE A/E'S ATTENTION FOR POSSIBLE REEVALUATION OF MATERIAL DESIGNATION.
  - THE DESIGN CONCEPT OF THIS PROJECT IS BASED ON THE MATERIALS, SYSTEMS AND DESIGN OF FINISHED PRODUCTS AS SPECIFIED. IF THE CONTRACTOR FAILS TO ORDER MATERIALS IN SUFFICIENT TIME FOR ORDERLY INSTALLATION WITHIN THE PROJECT, THE A/E WILL NOT ENTERTAIN ANY REQUEST FOR MATERIAL SUBSTITUTION. INSTEAD, THE CONTRACTOR SHALL PROVIDE AND INSTALL TEMPORARY FINISHES SYSTEMS OR MATERIALS SATISFACTORY TO THE A/E, PROVIDE AND INSTALL THE SPECIFIED MATERIALS UPON THEIR ARRIVAL, AND BEAR ALL COSTS ASSOCIATED WITH THE INSTALLATION.
  - THE CONTRACTOR SHALL COMPLY WITH ALL RULES, REGULATIONS AND CODES OF THE GOVERNING BODIES FOR THIS PROJECT.
  - THE GENERAL CONTRACTOR SHALL SUBMIT PRIOR TO COMMENCING WORK, A LIST OF ALL SUBCONTRACTORS TO THE OWNER FOR HIS RECORD.
  - CONTRACTOR SHALL SUBMIT SAMPLES OF ALL MATERIALS AS REQUESTED BY THE OWNER PRIOR TO COMMENCEMENT OF WORK.
  - CONTRACTOR SHALL SUBMIT SHOP DRAWINGS IN TRIPLICATE TO THE OWNER FOR REVIEW OF ALL TRADES INVOLVED WITH THIS CONTRACT. SHOP DRAWINGS ENHANCE THESE DRAWINGS AND SPECIFICATIONS APPROVAL OF SHOP DRAWINGS SHALL NOT RELEASE THE CONTRACTOR OF RESPONSIBILITY FOR WORK HEREIN SPECIFIED.
  - WHEN THE JOB IS SUBSTANTIALLY COMPLETE, THE GENERAL CONTRACTOR SHALL PREPARE A PUNCH LIST OF ITEMS TO BE COMPLETED OR CORRECTED AND SUBMIT THIS LIST TO THE OWNER FOR REVIEW. FAILURE TO INCLUDE ANY ITEMS ON THIS LIST DOES NOT ALTER THE RESPONSIBILITY OF THE CONTRACTOR TO COMPLETE THE WORK IN ACCORDANCE WITH THESE DOCUMENTS.
  - THE GENERAL CONTRACTOR SHALL SUBMIT SCALED REPRODUCIBLE AS-BUILT DRAWINGS TO THE OWNER AT THE COMPLETION OF THE PROJECT. ALL MECHANICAL, ELECTRICAL AND ARCHITECTURAL CHANGES MADE DURING THE COURSE OF THE PROJECT SHALL BE INDICATED ON THESE DRAWINGS.
  - CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING THE OWNER WITH ALL MANUFACTURERS MANUALS AND RECOMMENDED MAINTENANCE PROCEDURES AND SCHEDULES.
  - FINAL PAYMENT TO THE GENERAL CONTRACTOR SHALL BE APPROVED WITHIN (30) DAYS OF RECEIPT OF AS-BUILT DRAWINGS COMPLETION OF ALL PUNCH LIST ITEMS TO THE SATISFACTION OF THE OWNER, AND SUBMISSION OF ALL OTHER DOCUMENTS REQUIRED BY THIS WORK.
  - CONTRACTOR SHALL SUBMIT ALL REQUIRED PRODUCT APPROVAL (NOA) PER 2017, 6th Ed. FBC TO BUILDING DEPARTMENT WITH PERMIT APPLICATION. CONTRACTOR SHALL VERIFY WHAT BUILDING PRODUCTS WILL REQUIRE NOA DATA / SUBMITTALS FOR THIS PROJECT W/ THE BUILDING DEPARTMENT.



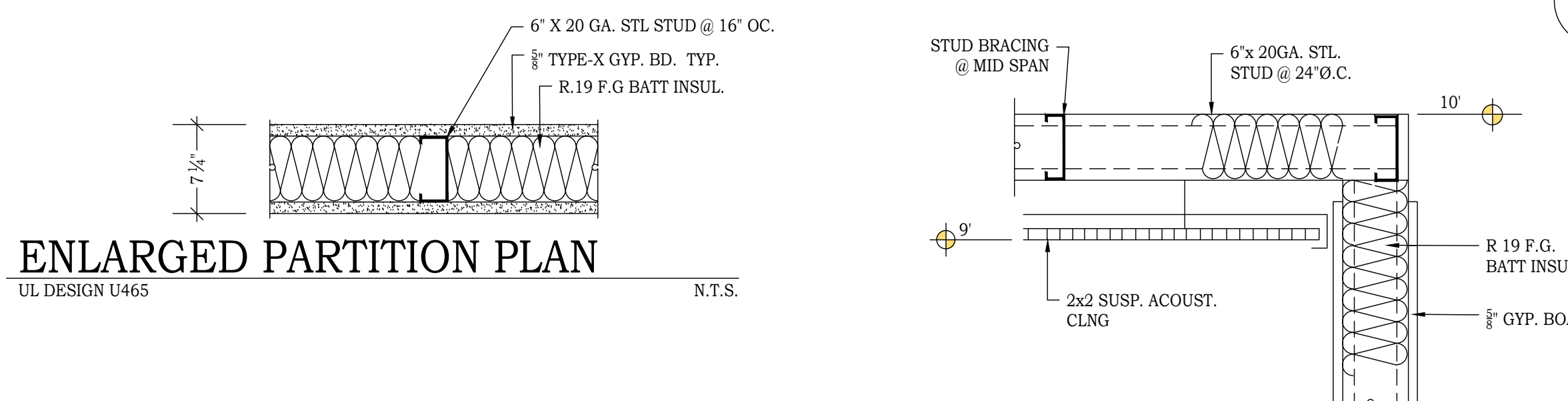
**A TYP. '1HR-RATED TENANT SEPARATION WALL**  
UL DESIGN U465 N.T.S.



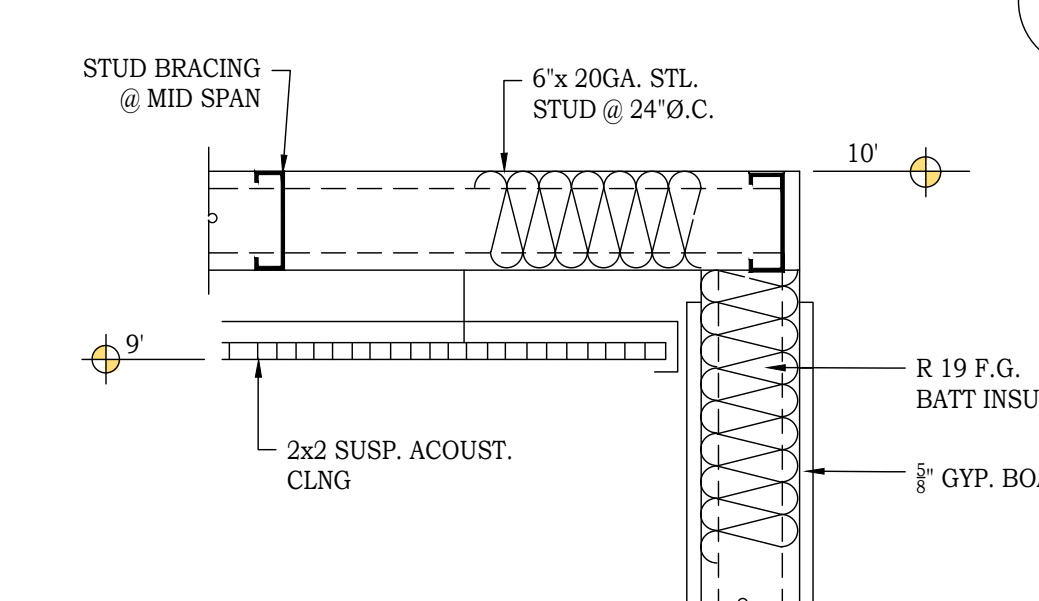
**B TYP. NON-RATED WALL SECTION**  
N.T.S.



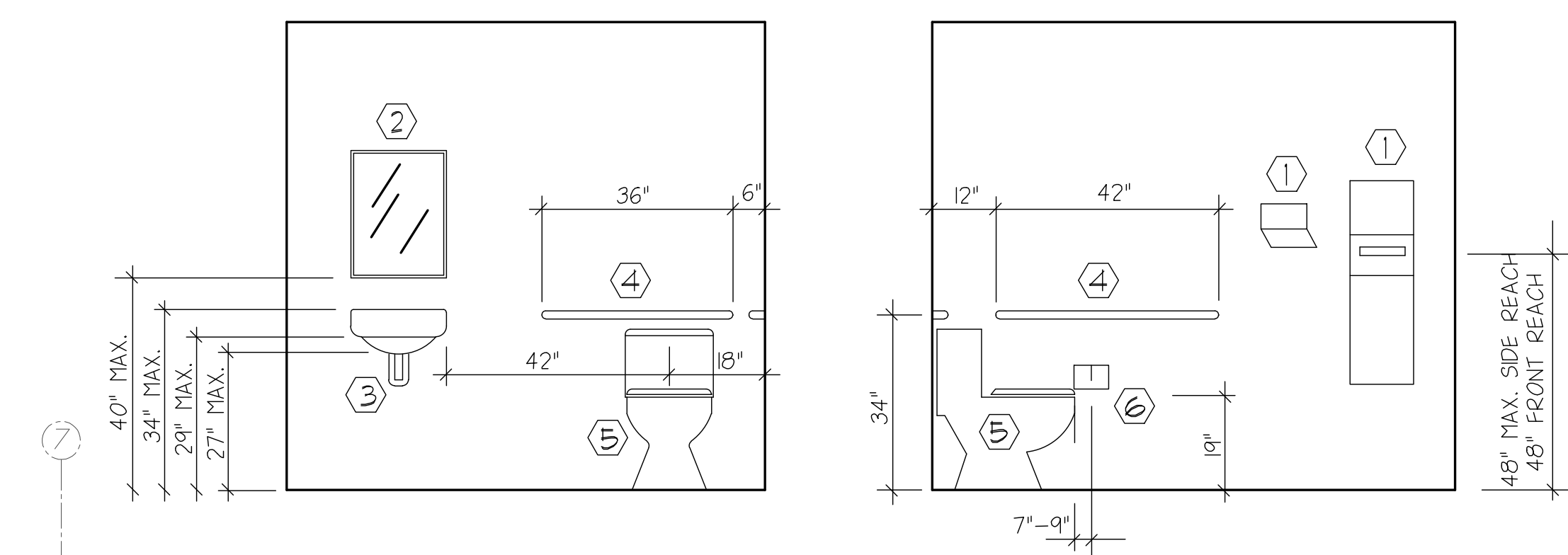
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N.T.S.



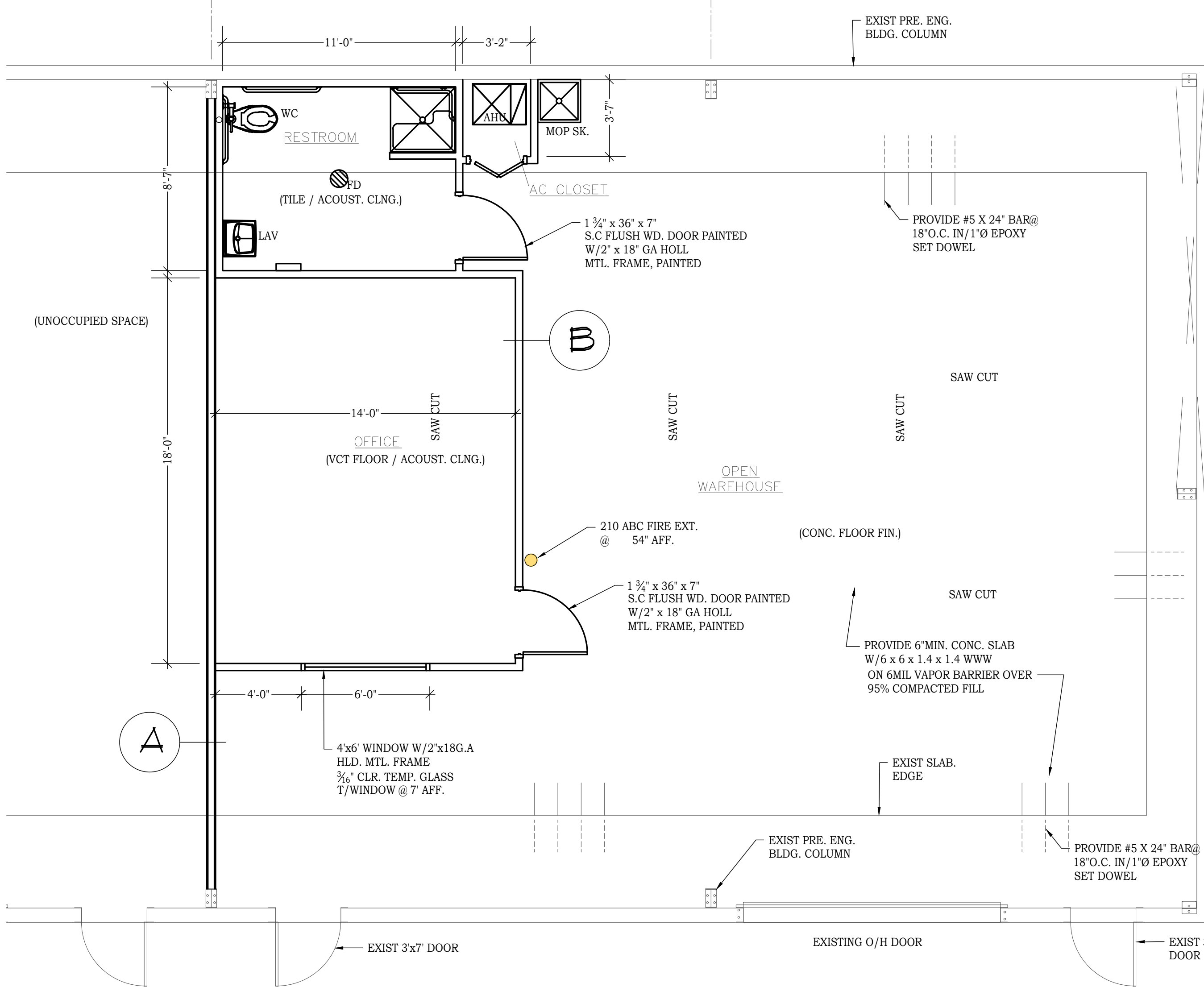
**ENLARGED PARTITION PLAN**  
UL DESIGN U465 N.T.S.



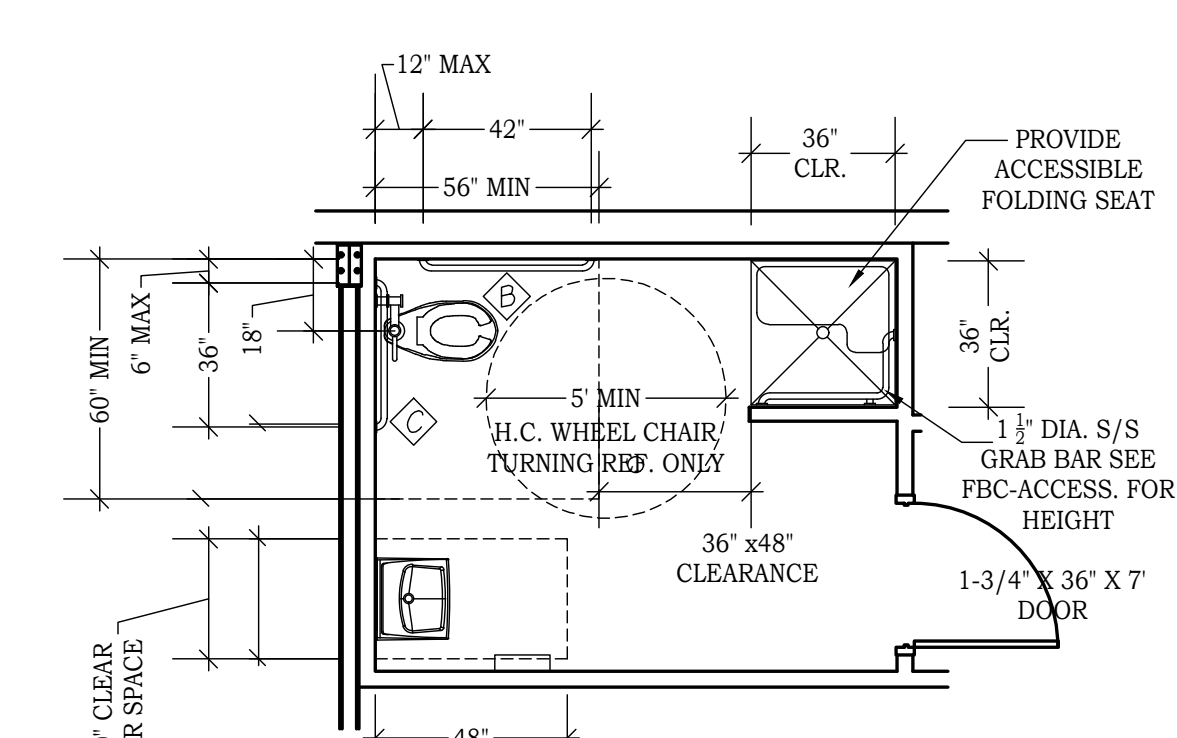
**C ENLARGED DETAIL**  
N.T.S.



**TYPICAL HANDICAPPED TOILET FIXTURES & TOILET TOILET ACCESSORIES, MOUNTING HGT'S & CLEARANCES**  
1/2" = 1'-0"



**ARCHITECTURAL PLAN**  
1/4" = 1'-0"



**TYP. HC FIXTURE PLAN**  
1/4" = 1'-0"

**TOILET NOTES:**

- THE HIGHEST OPERABLE PART OF DISPENSERS AND RECEPTACLES SHALL BE NO GREATER THAN 48" ABOVE FINISH FLOOR.
- MIRRORS SHALL BE MOUNTED WITH BOTTOM EDGE OF THE REFLECTING SURFACE NO HIGHER THAN 40" ABOVE FINISH FLOOR.
- LAVATOIRES SHALL BE MOUNTED WITH THE RIM OR COUNTER TOP NO HIGHER THAN 34" ABOVE FINISH FLOOR. PROVIDE A CLEARANCE OF AT LEAST 29" ABOVE FINISH FLOOR TO THE BTM. OF THE APRON. PROVIDE ADA APPROVED PADDING ON WASTE & SUPPLY LINES.
- THE DIAMETER OF THE GRIPPING SURFACE OF THE GRAB BAR SHALL BE 1 1/4" TO 1 1/2". THE GRAB BAR SHALL HAVE A 1 1/2" CLEARANCE FROM THE WALL. THE LENGTH OF THE GRAB BARS ARE AS SHOWN.
- THE HEIGHT OF HANDICAPPED WATER CLOSETS SHALL BE 17" TO 19" MEASURED TO THE TOP OF THE TOILET SEAT ABOVE FINISH FLOOR AND SHALL HAVE AN 18" CLEARANCE ON EACH SIDE FROM THE CENTER OF WATER CLOSET.
- THE TOILET PAPER DISPENSER SHALL BE MOUNTED SO THAT THE DISPENSING HEIGHT OF THE PAPER SHALL HAVE A CLEARANCE OF 19" FROM THE FINISH FLOOR AND THE FURTHEMOST EDGE DOES NOT EXCEED 36" FROM THE "WET WALL".
- PROVIDE WD BLOCKING TO SUPPORT ALL TOILET ACCESSORIES.
- ALL INTERIOR DOORS, FRAMES, HARDWARE, LOCKSETS & ACCESSORIES SHALL BE PER OWNER'S STANDARDS. BASIS OF DESIGN IS HP1 FRAME W/ 3'0X6X1-3/4" SOLID CORE PREMIUM QUALITY ROTARY BROCH VENEER CLEAR FINISH DOOR. 1 1/2" PAIR PER DR-MORRINEY F&B FULL MORRISE HNGE(STEEL), PRIVACY LOCKSET.

**TOILET ACCESSORIES LEGEND**

ITEM	DESCRIPTION
①	TOILET TISSUE DISPENSER - MOUNT AT 19" A.F.F.
②	GRAB BAR (STAINLESS STEEL 42") - MOUNT AT 34" A.F.F.
③	GRAB BAR (STAINLESS STEEL 36") - MOUNT AT 34" A.F.F.
④	PAPER TOWEL DISPENSER/WASTE COMBO (SMALL) - SURFACE MOUNTED 51" A.F.F. TO TOP.
⑤	24" WIDE X 36" HIGH STAINLESS STEEL FRAMED MIRROR - BOTTOM AT 40" A.F.F.
⑥	SOAP DISPENSER - WALL MOUNTED 40" A.F.F. TO BOTTOM

- NOTES:**
- ALL FIXTURES AND TOILET ROOM ACCESSORIES SHALL COMPLY WITH LOCAL, STATE, AND FEDERAL ACCESSIBILITY CODES.
  - GENERAL CONTRACTOR SHALL COORDINATE INSTALLATION OF ALL REQUIRED WALL REINFORCING FOR ALL SUPPORT OF TOILET ROOM ACCESSORIES INCLUDING ITEMS NOT IN CONTRACT (N.I.C.)
  - SEE A1 FOR WALL TYPES & ADDITIONAL DIMENSIONS.



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REVIEW SET	<input type="checkbox"/>
PERMIT SET	<input checked="" type="checkbox"/>
BID SET	<input type="checkbox"/>
CONSTRUCTION SET	<input type="checkbox"/>
AS BUILT	<input type="checkbox"/>

REVISIONS

NO.	DATE	DESCRIPTION

**EYSTER INDUSTRIAL  
TENANT BUILD-OUT**  
658 EYSTER BLVD.  
ROCKLEDGE FL, 32955

**ARCHITECTURAL PLAN**

SHEET NO.:  
**A-1**

DRAWN: AJB/EED  
CHECKED: JMF  
APPROVED: DAD

David A. DaSilva  
54739

### MECHANICAL SPECIFICATIONS

PROVIDE THE FOLLOWING:  
SCOPE OF WORK  
CONTRACTOR SHALL PROVIDE ALL LABOR AND MATERIALS AS REQUIRED TO PROVIDE A COMPLETE AND OPERATIONAL HVAC SYSTEM AS INDICATED ON THE DRAWINGS. CONTRACTOR SHALL COORDINATE ALL HIS WORK WITH ALL OTHER TRADES. CHANGES TO THE DESIGN BY THE CONTRACTOR WILL RESULT IN ADDITIONAL DESIGN COST AT CONTRACTOR'S EXPENSE.

SPECIAL PROVISIONS  
ALL WORK SHALL BE IN COMPLIANCE WITH THE 2020 FLORIDA BUILDING CODE (7TH EDITION), 2020 FLORIDA BUILDING CODE - MECHANICAL (7TH EDITION), 2020 FLORIDA BUILDING CODE - PLUMBING (7TH EDITION), 2020 FLORIDA FIRE PREVENTION CODE (7TH EDITION), 2020 FLORIDA BUILDING CODE - ENERGY CONSERVATION (7TH EDITION) FOR BUILDING CONSTRUCTION, 2017 NATIONAL ELECTRIC CODE (NEC), UNITED LABORATORIES (UL) AND THE ORDINANCES AND REGULATIONS OF THE LOCAL AUTHORITY HAVING JURISDICTION.

SHOP DRAWINGS  
BEFORE PURCHASE OR FABRICATION OF EQUIPMENT AND WITHIN 30 DAYS OF AWARD OF GENERAL CONTRACT, CONTRACTOR SHALL SUBMIT TO THE ARCHITECT/ENGINEER FOR APPROVAL, 3 COPIES OF SHOP DRAWINGS FOR ALL DUCTWORK AND HVAC EQUIPMENT AND MATERIALS. SHOP DRAWINGS SHALL INDICATE WORKING AND ERECTION DIMENSIONS, ELECTRICAL CHARACTERISTICS (VOLTS, PHASE AND AMPS), LOCATION AT WHICH MATERIALS AND EQUIPMENT ARE TO BE INSTALLED AND OTHER ESSENTIAL DATA. PARTIAL OR INCOMPLETE SUBMITTALS WILL NOT BE ACCEPTED. ANY MATERIAL USED WITHOUT APPROVAL WILL BE REJECTED. PROVIDE SUBMITTALS ON ALL ITEMS EXCEPT PIPING. SUBMIT SHOP DRAWINGS TO ELECTRICAL CONTRACTOR FOR APPROVAL AND COORDINATION. A COMPLETE HVAC DUCT LAYOUT INCLUDING AIR DISTRIBUTION DEVICES SHALL BE SUBMITTED TO ENGINEER FOR REVIEW PRIOR TO CONSTRUCTION.

MATERIALS  
MATERIALS, UNLESS OTHERWISE NOTED, SHALL BE NEW, FREE OF DEFECTS AND IN ACCORD WITH FOLLOWING SCHEDULES AND PARAGRAPHS. THE APPROVAL OF ANY MATERIALS WILL NOT BE CONSIDERED AS ACCEPTANCE OF WORK WHERE INSTALLED IF SUCH MATERIALS PROVE DEFECTIVE, WHERE NO SPECIFIC WEIGHTS OR GRADES ARE SPECIFIED, MATERIALS SHALL BE OF THE GENERALLY ACCEPTED STANDARD WEIGHT AND GRADE.

DUCTWORK (FIBERGLASS)  
THE HEATING AND AIR CONDITIONING DUCTWORK SHALL BE OWENS CORNING TYPE 475-FR, 1-1/2" THICK FIBERGLASS DUCT (MIN R-VALUE OF 6) OR APPROVED EQUAL. THE DUCT SYSTEM, INCLUDING BOARD, VAPOR BARRIER, TAPES AND ADHESIVES, SHALL BE UL LISTED AND LABELED CLASS 1 AIR DUCT. DUCT SHALL BE INSTALLED PER THE STANDARD OF SMACNA-10 IN CHAPTER 15 OF FBCEM. EXHAUST DUCT SHALL BE GALVANIZED.

DUCTWORK (GALVANIZED STEEL)  
THE HEATING AND AIR CONDITIONING DUCTWORK SHALL BE G-90 GALVANIZED STEEL PAINTED w/ BLANKET INSULATION (MIN. R-8). EXHAUST DUCT SHALL BE GALVANIZED. PROVIDE FLEX DUCT TO AIR DEVICE WHERE SHOWN (NO MORE THAN 6'-0" LONG). ALL DUCTWORK PENETRATING FIRE-RATED WALLS SHALL HAVE A FIRE DAMPER. THE USE OF R-6 DUCTBOARD MAY BE USED AS AN ALTERNATE (OWNER OPTION).

AIR DISTRIBUTION OUTLETS  
GRILLES, REGISTERS, AND DIFFUSERS SHALL REQUIRE ARI, ARI AND AMCA COMPLIANCE. BORDER STYLES AND FINISHES SHALL BE COMPATIBLE WITH ADJACENT CEILING SYSTEMS, AND CONSTRUCTED OF MATERIALS AND COMPONENTS AS REQUIRED FOR A COMPLETE INSTALLATION. SUPPLIER/MANUFACTURER SHALL VERIFY EACH DEVICE FOR A MAXIMUM NECK VELOCITY OF 500 FPM AND NC-30.

PIPE SCHEDULE  
REFRIGERATION:  
REFRIGERANT PIPING SHALL BE ACR COPPER TUBING, WITH WROUGHT COPPER FITTINGS IN CONFORMANCE WITH ASTM B280.  
A. JOINTS IN COPPER TUBE (REFRIGERANT SERVICE) - CUT SQUARE, BURR, CLEAN FITTING AND TUBE TO CUP DEPTH OF FITTING. APPLY THIN FILM OF BRAZING FLUX TO TUBE END AND FITTING. USE SILVER SOLDER AND OXYGEN-FREE ARGON GAS EQUIPMENT ONLY IN MAKING JOINTS. PURGE WITH NITROGEN WHEN HEATING.  
B. PIPING SHALL BE SIZED AND INSTALLED PER THE HEAT PUMP EQUIPMENT MANUFACTURER'S WRITTEN INSTRUCTION.  
C. SUCTION LINES SHALL BE INSULATED CONTINUOUSLY WITH EXTERIOR EXPOSED SURFACES TREATED PER MANUFACTURER'S RECOMMENDATIONS. INSULATION SHALL BE ARMAFLEX OR EQUAL.

CONDENSATE DRAIN LINE:  
CONDENSATE DRAIN LINES SHALL BE PROVIDED FOR AIR HANDLING UNITS. DRAIN LINES SHALL BE SCHEDULE 40 PVC.  
A. DRAIN LINES SHALL BE GRADED IN THE DIRECTION OF FLOW WITH A SLOPE OF 1/4" PER FOOT.  
B. WATER SEALS SHALL BE PROVIDED IN THE CONDENSATE DRAIN FROM UNIT. THE DEPTH OF SEAL SHALL BE EQUAL TO THE TOTAL STATIC PRESSURE RATING OF THE UNIT TO WHICH THE SEAL IS CONNECTED. WATER SEALS SHALL BE CONSTRUCTED TO TWO TEES AND AN APPROPRIATE U-BED WITH THE OPEN END TO EACH TEE PLUGGED HANDTIGHT.  
C. ROUTE DRAIN LINE INTO OUTSIDE FRENCH DRAIN OR SPLASH BLOCK.

TEST AND BALANCE  
PROVIDE A COMPLETE TEST AND BALANCE REPORT AND SUBMIT TO ENGINEER FOR REVIEW. T&B FIRM MUST BE NEBB OR AABC CERTIFIED. READINGS SHALL INCLUDE BUT SHALL NOT BE LIMITED TO THE FOLLOWING:  
• SUPPLY AIR CFM  
• RETURN AIR CFM  
• STATIC PRESSURE  
• EXHAUST AIR CFM  
\* ANY CHANGES TO THESE DOCUMENTS BASED ON CONTRACTOR REQUESTED REVISIONS SHALL BE CONSIDERED ADDITIONAL SERVICES.

### CODE COMPLIANCE REQUIREMENTS

ALL WORK SHALL BE IN COMPLIANCE WITH THE FOLLOWING CODES, BUT NOT LIMITED TO:  
7TH EDITION OF THE 2020 FLORIDA BUILDING CODE - BUILDING (FBCEB)  
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7TH EDITION OF THE 2020 FLORIDA FIRE PREVENTION CODE (FFPC)  
NFPA 70 - 2017 NATIONAL ELECTRICAL CODE (NEC)

### AC SPLIT SYSTEM SCHEDULE

MARK	INDOOR/OUTDOOR	NOMINAL CFM	O.A. CFM	ESP	COOLING CAPACITY				ELECTRICAL DATA (OUTDOOR UNIT)				ELECTRICAL DATA (INDOOR UNIT)				NOMINAL TONS	MANUFACTURER					
					AMB. TEMP	ENT DB	ENT WB	SENS MBH	TOT MBH	NO COMP	COMP RLA(EA)	NO FAN	FAN FLA(EA)	FAN HP	VOLT/PHASE	MCA/MOCP			FAN HP	KW HEAT	STAGE	VOLT/PHASE	MCA/MOCP
AC-1/CU-1		600	80	.5	95	80	67	13.2	18.2	1	7.2	1	0.6	1/15	208/1	15/20	1/8	7.5	1	208/1	54/60	1.5	TRANE/CARRIER/YORK

NOTES: 1. PROVIDE MOTORIZED OUTSIDE AIR INTAKE DAMPER FOR THE OA DUCT.  
2. INSTALL AND ANCHOR CONDENSER UNIT TO STRUCTURE (SLAB).  
3. MIN. SEER OF 16.0  
4. COORDINATE INSTALLATION OF SMOKE DETECTORS WITH DIV. 16 (NOT REQ'D IF 2000 CFM OR LESS).  
5. PROVIDE VIBRATION ISOLATIONS.  
6. PROVIDE 410A REFRIGERANT.  
7. PROVIDE SINGLE POINT ELECTRICAL CONNECTION WITH DISCONNECT.  
8. PROVIDE 1" PLEATED FILTERS.  
9. PROVIDE 5 YEAR WARRANTY.  
10. PROVIDE CONDENSER COIL GUARDS.  
11. PROVIDE PROGRAMMABLE THERMOSTAT.  
12. BALANCE UNITS BASED ON AIRFLOW RATES SHOWN ON DRAWINGS.  
13. PROVIDE VARIABLE SPEED AIRHANDLER WITH HUMIDISTAT CONTROL.  
14. PROVIDE UNLOADING COMPRESSOR (MIN. 2 STAGES)  
15. PROVIDE 30" WIDE AND 30" DEEP CLEAR SPACE ON SERVICE SIDE OF EQUIPMENT.

### EXHAUST FAN SCHEDULE

MARK	TYPE	CFM	ESP	MOTOR			DRIVE TYPE	FAN SERVICE	MAX SONES	VOLT / PHASE	CONTROL	MANUFACTURER / MODEL	NOTES
				WATTS	RPM	HP							
EF-1	CEILING	70	0.25	20	-	-	DIRECT	RESTROOMS	5	115/1	SWITCH	GREENHECK/SP SERIES	SEE BELOW

PROVIDE THE FOLLOWING: DISCONNECT SWITCH, VIBRATION ISOLATORS, BACKDRAFT DAMPER, SPEED CONTROL

### OUTDOOR AIR SCHEDULE

UNIT TAG	ZONE USE	AREA (SQ. FT)	FBC-MECHANICAL TABLE 403.3.1.1			TOTAL REQUIRED O.A. CFM	O.A. CFM 403.2 *	O.A. CFM PROVIDED
			OCCUPANCY DENSITY (PEOPLE/1000 SQ.FT.)	ZONE MAX OCCUPANCY (# OF PEOPLE)	CFM/PERSON			
AC-1	OFFICE	337	5	2	5	0.06	30	50

### AIR DISTRIBUTION DEVICE SCHEDULE

MARK	TYPE	CFM RANGE	MAX NC	NECK SIZE (IN.)	FLEX DIAM. (IN.)	MANUFACTURER / MODEL	REMARKS
12x12 24x24	SUPPLY DIFFUSERS	0-100	25	6"Ø	6	TITUS TDC-AA	1,2,3
		101-200	25	8"Ø	8		
		201-300	25	10"Ø	10		
		301-400	25	12"Ø	12		
		401-600	25	14"Ø	14		
		601-1000	25	16"Ø	16		
24x24	RETURN GRILLE	0-800	25	20x20	-	TITUS 350-PLF1	1,2,3
		801-3000	25	48x24	-		
SWD	SIDEWALL DIFFUSER	-	25	SEE DWGS	-	TITUS 272-FS	1,2,3
SWR	SIDEWALL RETURN	-	25	SEE DWGS	-	TITUS 4FL	1,2,3
DG	DOOR GRILLE	0-400	25	12x12	-	TITUS	3
		401-750	25	18x18	-		

REMARKS: 1. PROVIDE OPPOSED BLADE VOLUME DAMPERS.  
2. CONTRACTOR SHALL COORDINATE GRILLES, DIFFUSERS AND REGISTER'S BORDER TYPES WITH CEILING, WALLS, EQUIPMENT ETC.  
3. PROVIDE ALL ALUMINUM CONSTRUCTION.

NOTES: 1. ALL GRILLES SHALL BE FULL FACE OF MODULE. ALL LAY-IN CEILING RETURN MODULES SHALL BE 24"x24" WITH 20"x20"x1" FILTER.  
2. INSULATE THE BACK OF ALL SUPPLY AND RETURN AIR DEVICES.  
3. PROVIDE BORDER TYPE 1 FOR LAY-IN CEILINGS, AND BORDER TYPE 3 FOR GYPSUM BOARD CEILINGS.  
4. PROVIDE 1" PLEATED FILTER.  
5. THE NUMBER ADJACENT TO THE FIXTURE INDICATES AIR FLOW (CFM).

### FLEX DUCT SCHEDULE

CFM	DUCT SIZE	TRANSFER DUCT SIZE
0-100	6"Ø	9"Ø
101-200	8"Ø	12"Ø
201-300	10"Ø	16"Ø
301-400	12"Ø	18"Ø
401-600	14"Ø	22"Ø
601-1000	16"Ø	24"Ø
1001-1500	18"Ø	28"Ø
1501-2000	20"Ø	30"Ø

SIZE BOTH SUPPLY AND RETURN BASED UPON AIRFLOWS ABOVE.

### LOUVER SCHEDULE

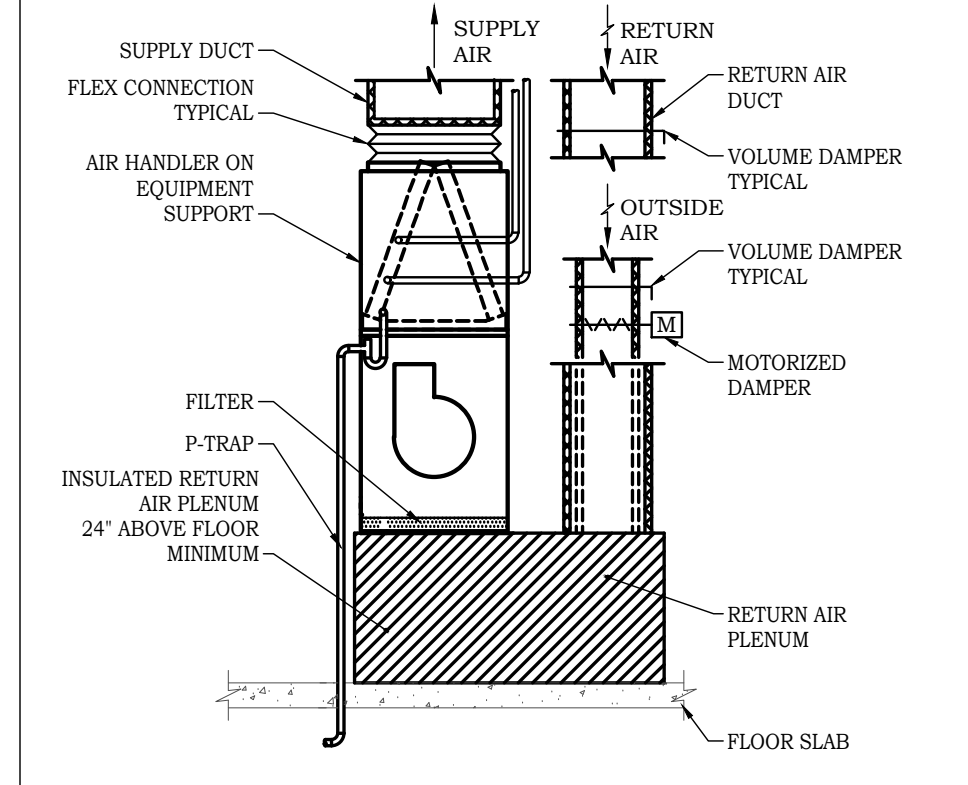
PROVIDE LOUVERS AS MANUFACTURED BY GREENHECK MODEL EVH-501D. LOUVER SHALL BE 5" DRAINABLE ALL ALUMINUM. PAINT TO MATCH EXISTING FINISH. ALL LOUVERS TO MEET CURRENT MIAMI-DADE HURRICANE STANDARDS AND FLORIDA BUILDING CODE. SIZE LOUVER AS SHOWN BELOW (IF NOT SPECIFIED ON DRAWINGS).

CFM	LOUVER SIZE
0-300	24"X16"
301-500	24"X16"
501-1000	36"X16"
1001-1500	48"X16"
1501-2000	72"X16"

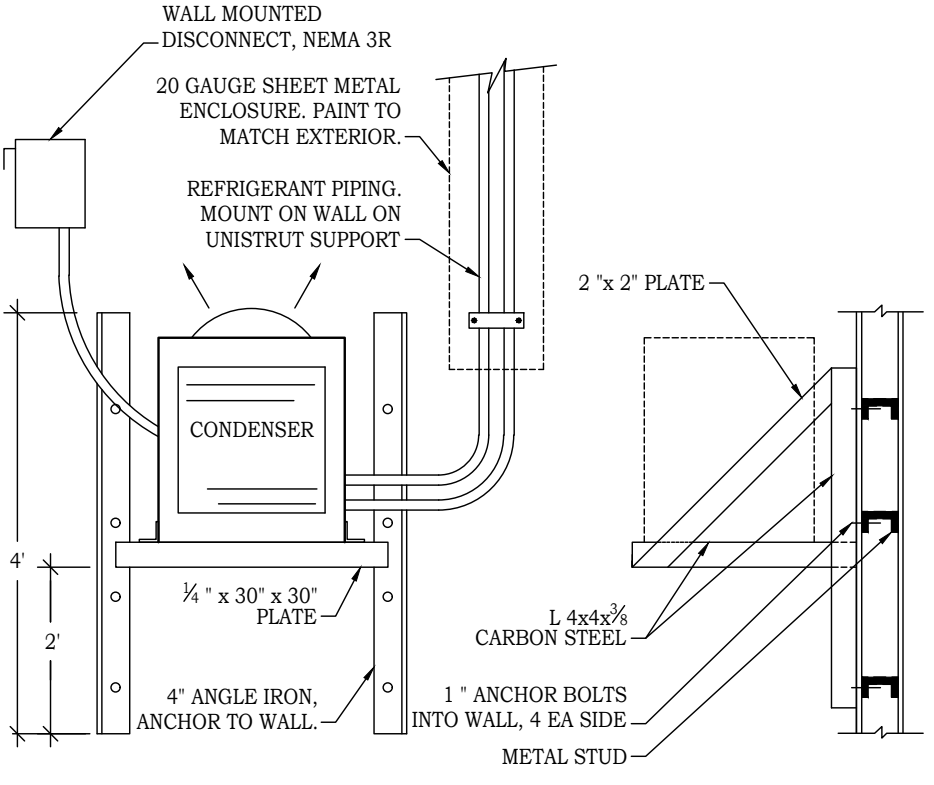
NOTE: PROVIDE REMOVABLE INSECT SCREEN ON BACK OF LOUVER.

### AIR BALANCE

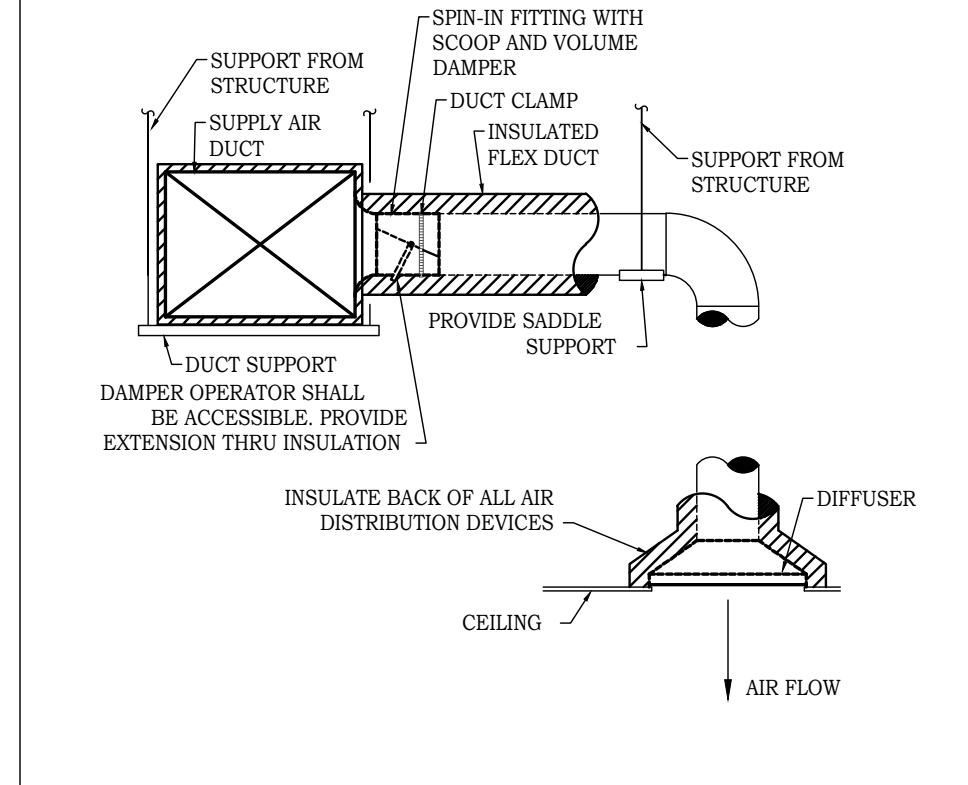
OUTSIDE AIR	= 80 CFM
AC-1	= 80 CFM
TOTAL OUTSIDE AIR	= 80 CFM
EXHAUST AIR	= 70 CFM
EF-1	= 70 CFM
TOTAL EXHAUST AIR	= 70 CFM
BUILDING IS POSITIVE	= 10 CFM



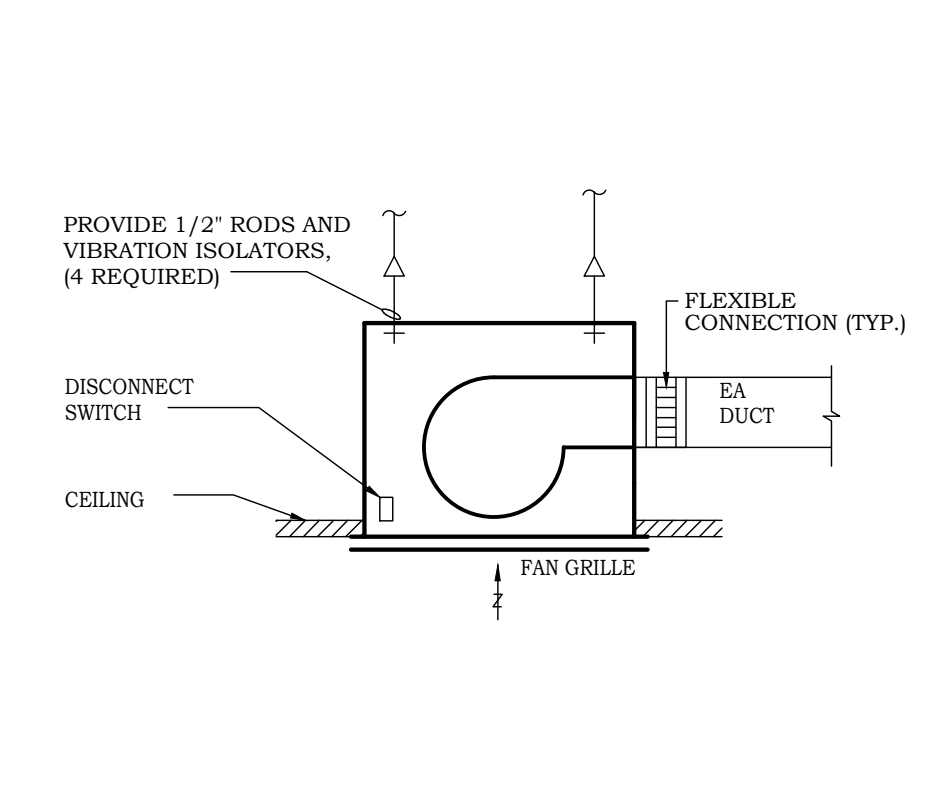
**M1** TYPICAL AC INSTALLATION WITH OUTSIDE AIR  
N.T.S.



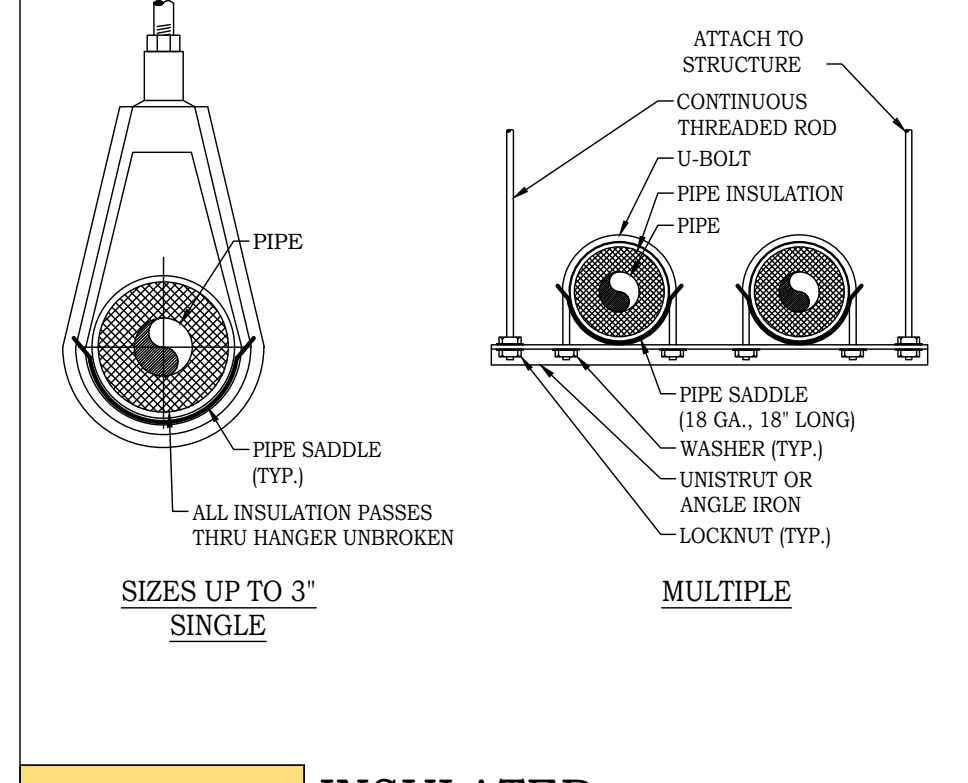
**M2** CONDENSING UNIT SUPPORT DETAIL  
N.T.S.



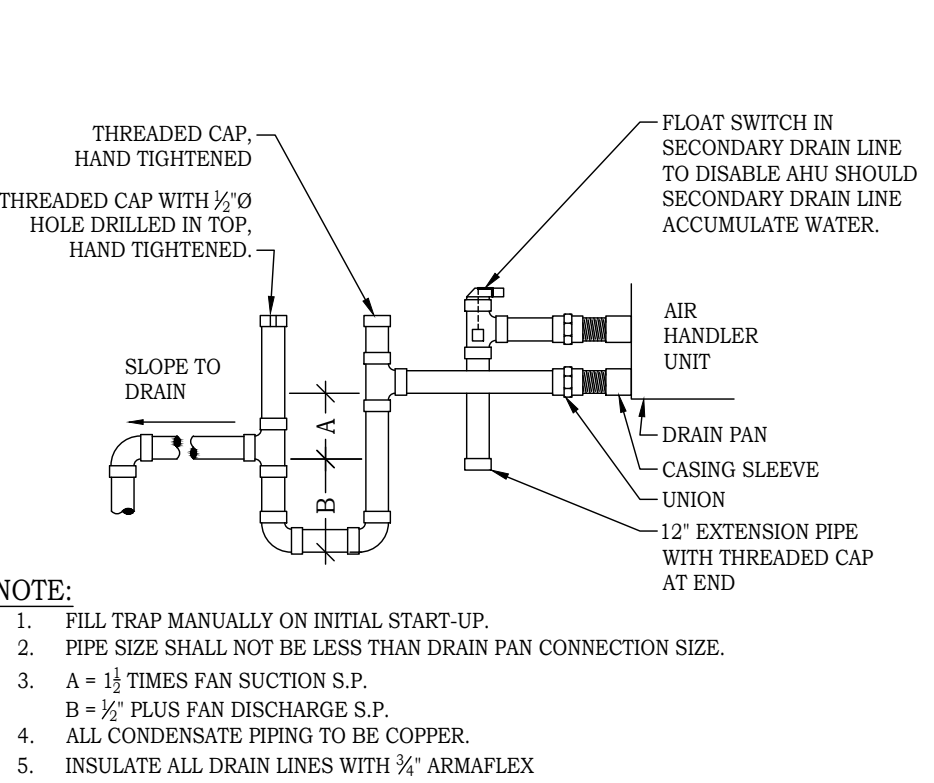
**M3** TYPICAL DUCT / DIFFUSER DETAIL  
N.T.S.



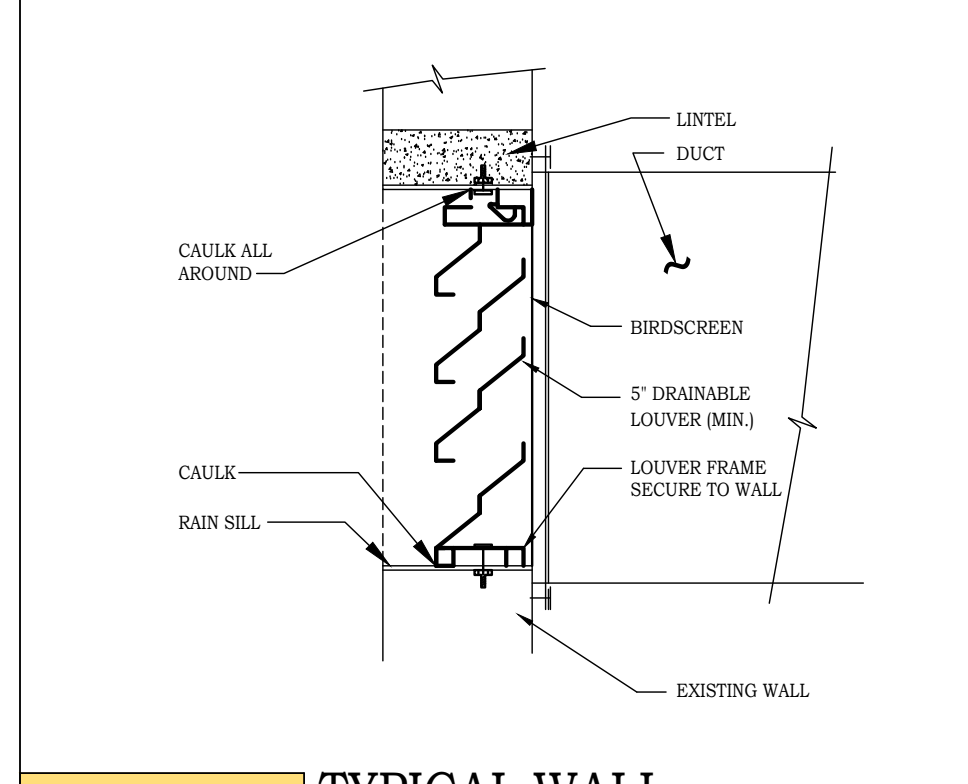
**M4** EXHAUST FAN DETAIL (CEILING)  
N.T.S.



**M5** INSULATED PIPE HANGER DETAIL  
N.T.S.



**M6** CONDENSATE DRAIN P-TRAP DETAIL  
N.T.S.

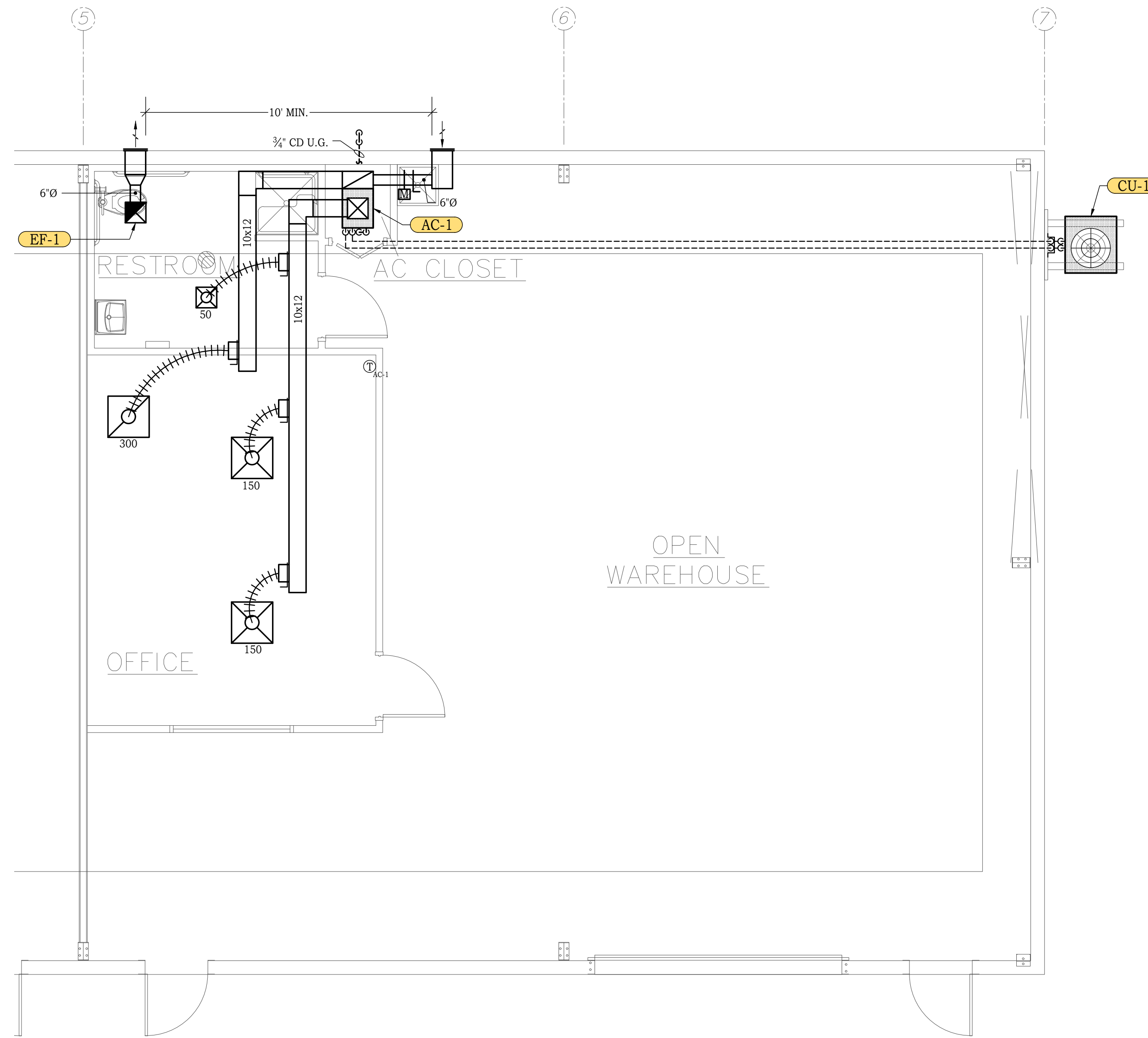


**M7** TYPICAL WALL LOUVER DETAIL  
N.T.S.

CONSULTANTS:

**PLAN NOTES**

1. INSTALL NEW EXHAUST FAN. SEE DETAIL.
2. SIZE FLEX DUCT BASED ON SCHEDULE PROVIDED.
3. INSULATE BACK OF ALL DIFFUSERS.
4. MOUNT THERMOSTAT AT 48" ABOVE FINISHED FLOOR.
5. MOUNT AC UNIT ON PLATFORM. SEE DETAIL.
6. PROVIDE 12"x12" E.A. WALL OUTLET OR SOFFIT OUTLET.
7. PROVIDE E.A. LOUVER. SEE SCHEDULE FOR SIZE.
8. PROVIDE O.A. LOUVER. SEE SCHEDULE FOR SIZE.
9. PROVIDE MOTORIZED AND MANUAL DAMPER IN O.A. DUCT.
10. ROUTE REFRIGERANT PIPING UNDERGROUND TO CONDENSER UNIT.
11. ROUTE 3/4" CONDENSATE DRAIN UNDERGROUND TO EXTERIOR GREEN AREA OR DRYWELL.
12. MOUNT CONDENSER UNIT ON 4" PAD AND ANCHOR TO PAD.



**MECHANICAL PLAN**  
1/4" = 1'-0"

DATE	MARCH 1, 2022	
REVIEW SET	<input type="checkbox"/>	
PERMIT SET	<input checked="" type="checkbox"/>	
BID SET	<input type="checkbox"/>	
CONSTRUCTION SET	<input type="checkbox"/>	
AS BUILT	<input type="checkbox"/>	
REVISIONS		
NO.	DATE	DESCRIPTION

**EYSTER INDUSTRIAL  
TENANT BUILD-OUT**  
658 EYSTER BLVD.  
ROCKLEDGE FL, 32955

SHEET NO.:  
**M-2**

DRAWN: AJB  
CHECKED: JMF  
APPROVED: DAD

David A. DaSilva  
54739

MECHANICAL PLAN

**PLUMBING SPECIFICATIONS**

PROVIDE THE FOLLOWING:  
SCOPE OF WORK  
CONTRACTOR SHALL PROVIDE ALL LABOR AND MATERIALS AS REQUIRED TO PROVIDE A COMPLETE AND OPERATIONAL PLUMBING SYSTEMS AS INDICATED ON THE DRAWINGS. CONTRACTOR SHALL COORDINATE ALL HIS WORK WITH ALL OTHER TRADES.

SPECIAL PROVISIONS  
ALL WORK SHALL BE IN COMPLIANCE WITH THE 2020 FLORIDA BUILDING CODE (7TH EDITION), 2020 FLORIDA BUILDING CODE - PLUMBING (7TH EDITION), 2020 FLORIDA ENERGY CONSERVATION CODE (7TH EDITION), ORDINANCES AND REGULATIONS OF THE LOCAL AUTHORITY HAVING JURISDICTION.

SHOP DRAWINGS  
BEFORE PURCHASE OR FABRICATION OF EQUIPMENT AND WITHIN 30 DAYS OF AWARD OF GENERAL CONTRACT, CONTRACTOR SHALL SUBMIT TO THE ARCHITECT/ENGINEER FOR APPROVAL, 3 COPIES OF SHOP DRAWINGS FOR ALL EQUIPMENT AND MATERIALS. SHOP DRAWINGS SHALL INDICATE WORKING AND ERECTION DIMENSIONS, ELECTRICAL CHARACTERISTICS (VOLTS, PHASE AND AMPS), LOCATION AT WHICH MATERIALS AND EQUIPMENT ARE TO BE INSTALLED AND OTHER ESSENTIAL DATA. PARTIAL OR INCOMPLETE SUBMITTALS WILL NOT BE ACCEPTED. ANY MATERIAL USED WITHOUT APPROVAL WILL BE REJECTED. PROVIDE SUBMITTALS ON ALL ITEMS EXCEPT PIPING. SUBMIT SHOP DRAWINGS TO ELECTRICAL CONTRACTOR FOR APPROVAL AND COORDINATION.

MATERIALS  
MATERIALS, UNLESS OTHERWISE NOTED, SHALL BE NEW, FREE OF DEFECTS AND IN ACCORD WITH FOLLOWING SCHEDULES AND PARAGRAPHS. THE APPROVAL OF ANY MATERIALS WILL NOT BE CONSIDERED AS ACCEPTANCE OF WORK WHERE INSTALLED IF SUCH MATERIALS PROVE DEFECTIVE, WHERE NO SPECIFIC WEIGHTS OR GRADES ARE SPECIFIED, MATERIALS SHALL BE OF THE GENERALLY ACCEPTED STANDARD WEIGHT AND GRADE.

DRAIN, WASTE AND VENT PIPING  
SANITARY PIPING SHALL BE SCHEDULE 40 PVC IN CONFORMANCE WITH ASTM F1488.

WATER SYSTEM (DOMESTIC PIPING)  
ABOVE GROUND WATER PIPING SHALL BE TYPE 'L' COPPER WITH SWEATED CONNECTIONS. BELOW GROUND PIPING SHALL BE TYPE 'K' COPPER WITH SWEATED CONNECTIONS. PIPING SHALL BE IN CONFORMANCE WITH ASTM B88 (95%) PER ASTM B32 A. SOLDER JOINTS WITH FLOWING SOFT LEAD FREE SOLDER.  
B. PIPING SHALL BE TESTED HYDROSTATICALLY AT A PRESSURE OF 150 PSIG.  
C. AFTER COMPLETION OF WORK, THE PIPING SHALL BE FLUSHED AND STERILIZED IN ACCORDANCE WITH THE FLORIDA BUILDING CODE.  
D. CPVC MAY BE USED.

INSTALLATION PIPE SHALL BE CUT ACCURATELY TO MEASUREMENTS ESTABLISHED AT THE JOB SITE AND WORKED INTO PLACE WITHOUT FORCING. PROPERLY CLEARING ALL WINDOWS, DOORS, AND OTHER OPENINGS. PIPES SHALL HAVE BURRS REMOVED BY REAMING AND SHALL BE SO INSTALLED AS TO PERMIT FREE EXPANSION AND CONTRACTION WITHOUT DAMAGE TO JOINTS OR HANGERS.

OPERATION AND MAINTENANCE INSTRUCTION  
COMPLETE OPERATING AND MAINTENANCE INSTRUCTIONS MANUALS FOR EACH PIECE OF EQUIPMENT, BOUND IN BOOK FORM, SHALL BE PREPARED. OPERATING INSTRUCTIONS EXPLAINING PREVENTIVE MAINTENANCE PROCEDURES, METHODS OF CHECKING THE SYSTEM FOR NORMAL SAFE OPERATION, AND PROCEDURE FOR SAFELY STARTING AND STOPPING THE SYSTEM SHALL BE PREPARED AND INCLUDED WITH THE MANUALS.

GUARANTEE AND WARRANTIES  
A. FURNISH OWNER WITH A WRITTEN GUARANTEE PROTECTING THE OWNER FROM COSTS DUE TO POOR WORKMANSHIP AND FAULTY MATERIALS OR EQUIPMENT FOR A PERIOD OF ONE (1) YEAR FROM DATE OF ACCEPTANCE.  
B. FURNISH OWNER WITH ORIGINAL EQUIPMENT FACTORY WARRANTIES.

\* ANY CHANGES TO THESE DOCUMENTS BASED ON CONTRACTOR REQUESTED REVISIONS SHALL BE CONSIDERED ADDITIONAL SERVICES.

**CODE COMPLIANCE REQUIREMENTS**

ALL WORK SHALL BE IN COMPLIANCE WITH THE FOLLOWING CODES, BUT NOT LIMITED TO:  
7TH EDITION OF THE 2020 FLORIDA BUILDING CODE - BUILDING (FBCB)  
7TH EDITION OF THE 2020 FLORIDA BUILDING CODE - EXISTING BUILDING (FBCBE)  
7TH EDITION OF THE 2020 FLORIDA BUILDING CODE - ACCESSIBILITY (FBCA)  
7TH EDITION OF THE 2020 FLORIDA BUILDING CODE - ENERGY CONSERVATION (FBCCE)  
7TH EDITION OF THE 2020 FLORIDA BUILDING CODE - MECHANICAL (FBCM)  
7TH EDITION OF THE 2020 FLORIDA BUILDING CODE - PLUMBING (FBCP)  
7TH EDITION OF THE 2020 FLORIDA BUILDING CODE - FUEL GAS (FBCFG)  
7TH EDITION OF THE 2020 FLORIDA FIRE PREVENTION CODE (FFPC)  
NFPA 70 - 2017 NATIONAL ELECTRICAL CODE (NEC)

ELECTRIC WATER HEATER										
MARK	STORAGE		KW PER ELEMENT	NUMBER ELEMENTS	TOTAL KW	VOLTAGE/ PHASE	RECOVERY (GPH @ 100°F)	THERMAL EFFICIENCY	MANUFACTURE / MODEL	NOTE
	GALLONS	TEMP								
EW-1	30	110°F	3.0	2	3.0	208-240/1	12	94%	A.O. SMITH DEL-30	SEE BELOW

NOTES: PROVIDE THE FOLLOWING:  
1. EXPANSION TANK  
2. PRESSURE RELIEF VALVE  
3. AUXILIARY DRAIN PAN  
4. HEAT TRAPS

**PLUMBING FIXTURE SCHEDULE**

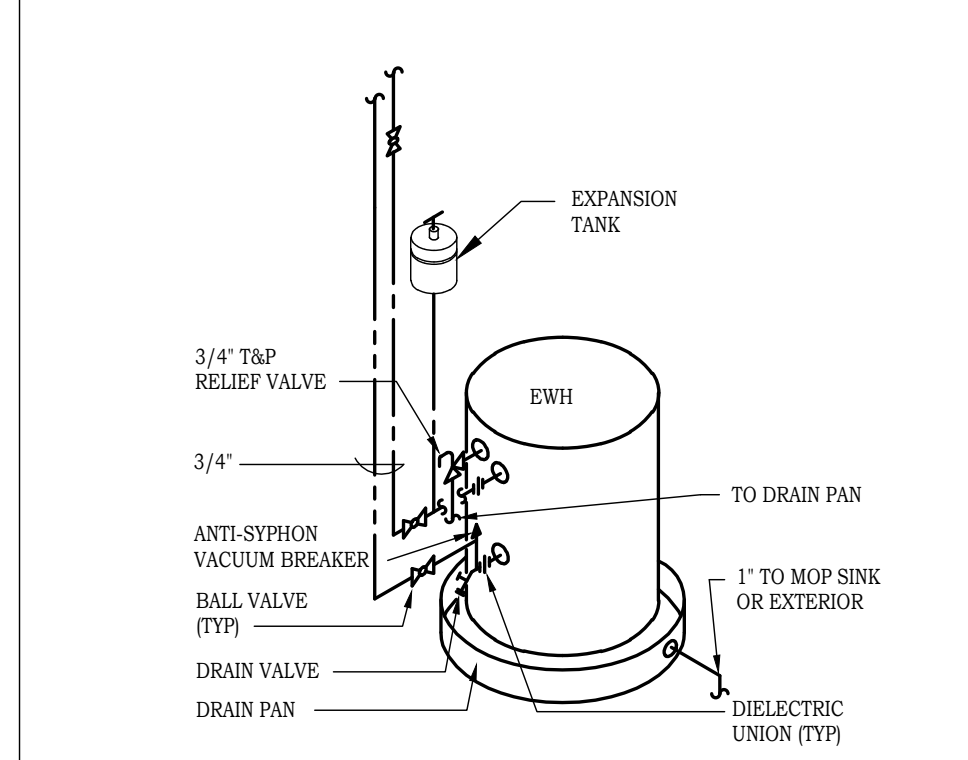
TAG	EQUIPMENT	DESCRIPTION / ACCESSORIES	PIPE SIZE				MANUFACTURE / MODEL	NOTES
			CW	HW	WASTE	VENT		
FD-1	FLOOR DRAIN	POLISHED BRONZE TOP W/ TRAP PRIMER	-	-	3"	1-1/2"	ZURN Z-400 SERIES	SEE BELOW
LAV-1	LAVATORY WALL HUNG ADA	VITREOUS CHINA SINGLE LEVER FAUCET ADA TYPE	1/2"	1/2"	2"	1-1/2"	KOHLER/AMERICAN STANDARD OR EQUAL	SEE BELOW
UT-1	UTILITY SINK	FIBERGLASS SINK WITH GOOSENECK FAUCET	1/2"	1/2"	2"	1-1/2"	FIAT OR EQUAL	SEE BELOW
SH-1	SHOWER	SEE BELOW FOR VALVE	1/2"	1/2"	2"	1-1/2"	KOHLER/AMERICAN STANDARD OR EQUAL	SEE BELOW
WC-3	WATER CLOSET ADA (17" HIGH)	PLASTIC ELONGATED SEAT, FLUSH VALVE	3/4"	-	3"	2"	KOHLER/AMERICAN STANDARD OR EQUAL	SEE BELOW

NOTES:  
1. PROVIDE SHUT OFF VALVES AND P-TRAPS AT ALL PLUMBING FIXTURES.  
2. PROVIDE HANDICAP FIXTURES IN ALL HANDICAP DESIGNATED RESTROOMS.  
3. ROUTE 3/4" DRAIN, 3/4" HW TO ALL DISHWASHERS FROM NEAREST SINK.  
4. PROVIDE PRESSURE BALANCING VALVE AND ANTI SCALD DEVICE FOR ALL SHOWERS AND TUBS.  
5. COORDINATE SINK SIZE WITH CABINET INSTALLER.  
6. PROVIDE ULTRA-COMPACT THERMOSTATIC MIXING VALVE, WITH TEMPERATURE GAUGE, FOR ALL LAVATORIES AND HAND SINKS, AS MANUFACTURED BY WEBSONE.

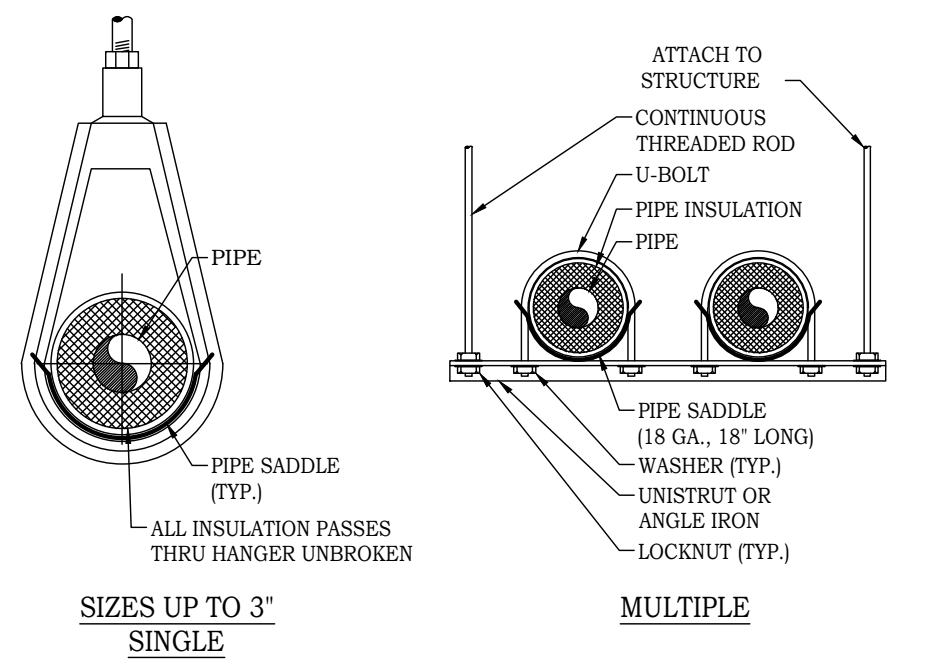
CONTRACTOR TO PROVIDE A SEPARATE COST FOR ALL PLUMBING FIXTURES IN BID PACKAGE. OWNER TO MAKE FINAL SELECTION OF FIXTURES. (CONTRACTOR TO COORDINATE WITH OWNER).

**DRAWING LEGEND**

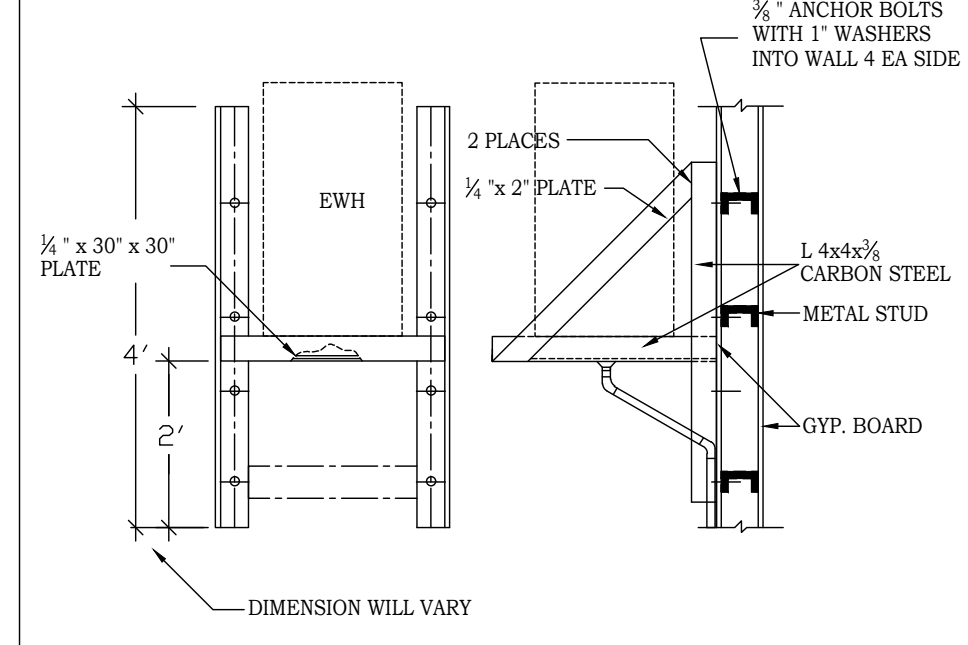
DETAIL	DESCRIPTION
SS	SANITARY WASTE PIPING
CW	COLD WATER PIPING
HW	HOT WATER PIPING
140°	HI-TEMP HOT WATER PIPING
HWR	(TEMPERED) HOT WATER RECIRCULATION PIPING
CD	CONDENSATE DRAIN PIPING
VENT	VENT PIPING
SD	STORM DRAIN
CV	CHECK VALVE
MV	MIXING VALVE
FCO/ECO	FLOOR CLEANOUT & EXTERIOR CLEANOUT
WCO	WALL CLEANOUT
FD	FLOOR DRAIN
FS	FLOOR SINK
CE	CONNECT TO EXISTING
GV/BV	GATE VALVE OR BALL VALVE
RD	ROOF DRAIN
RWL	RAIN WATER LEADER
VTR	VENT THROUGH ROOF
SS	SANITARY SEWER
GW	GAS WATER HEATER
TMX	THERMOSTATIC MIXING VALVE
GW	GREASE WASTE
A-A	COMPRESSED AIR
GAS	GAS SERVICE
DEM	DEMO
XXX	NOT IN CONTRACT (N.I.C.)



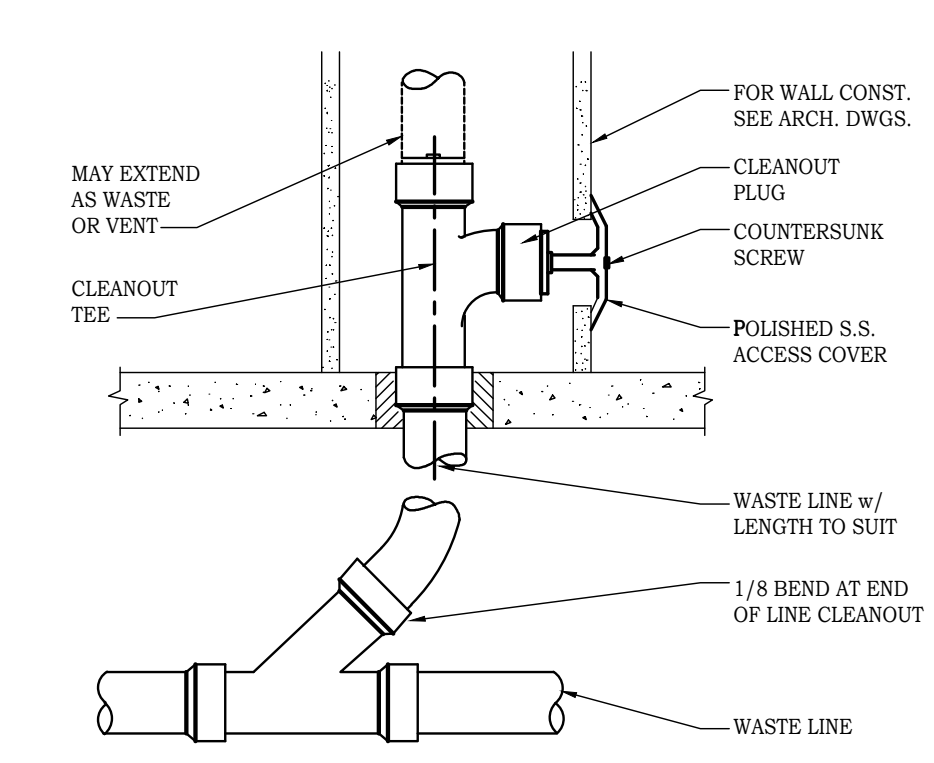
**P1 WATER HEATER DETAIL**  
N.T.S. P-D##



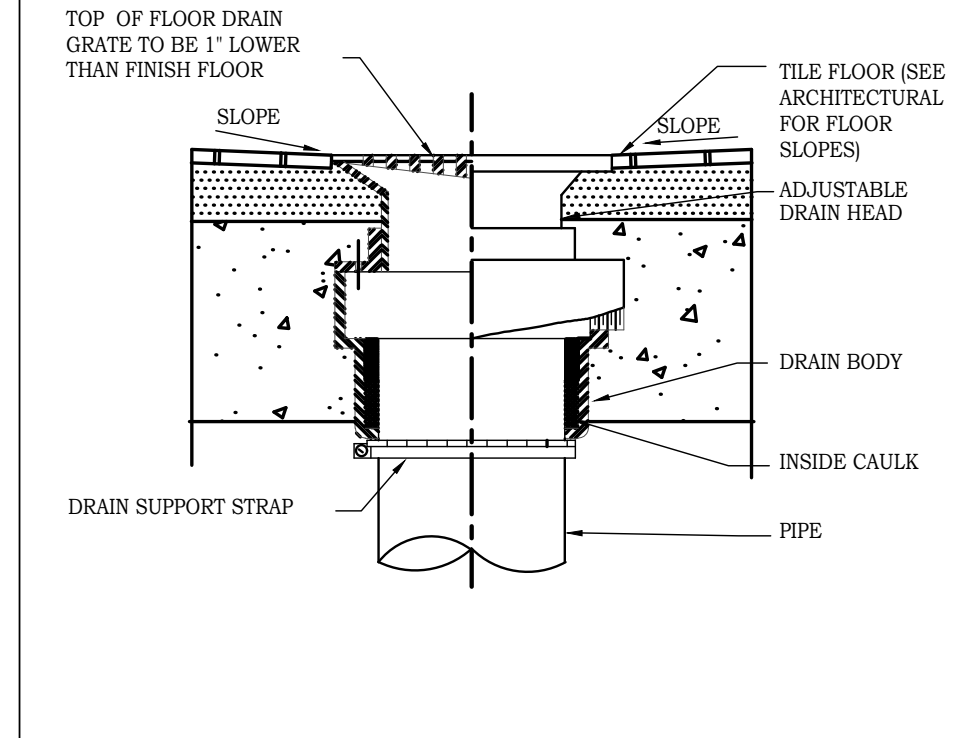
**P2 INSULATED PIPE HANGER DETAIL**  
N.T.S. M-DD09



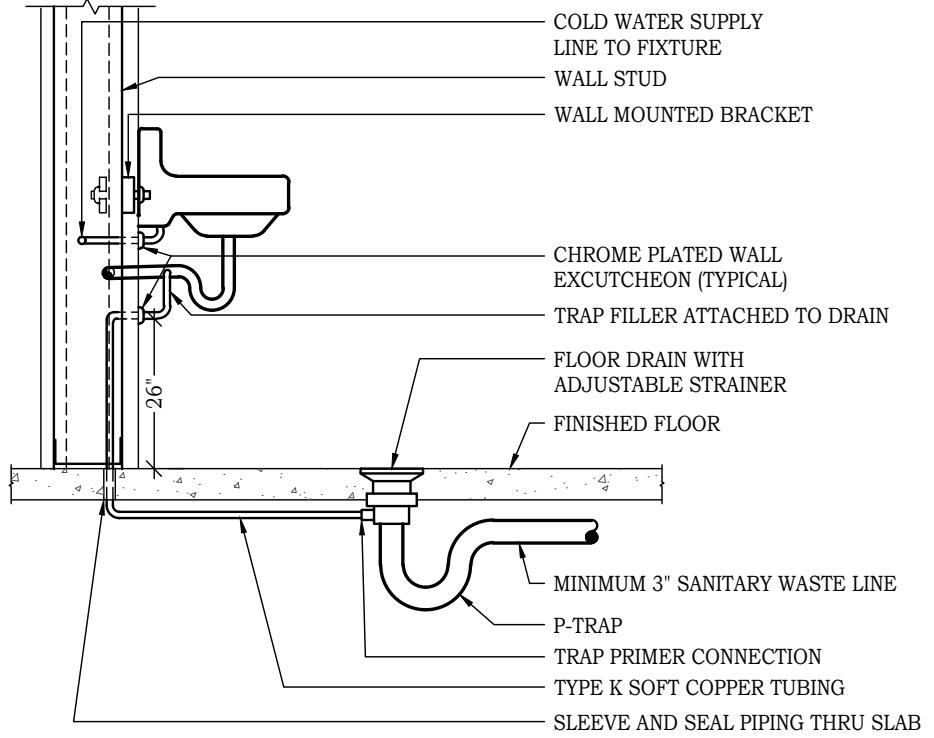
**P3 WATER HEATER SUPPORT DETAIL**  
N.T.S.



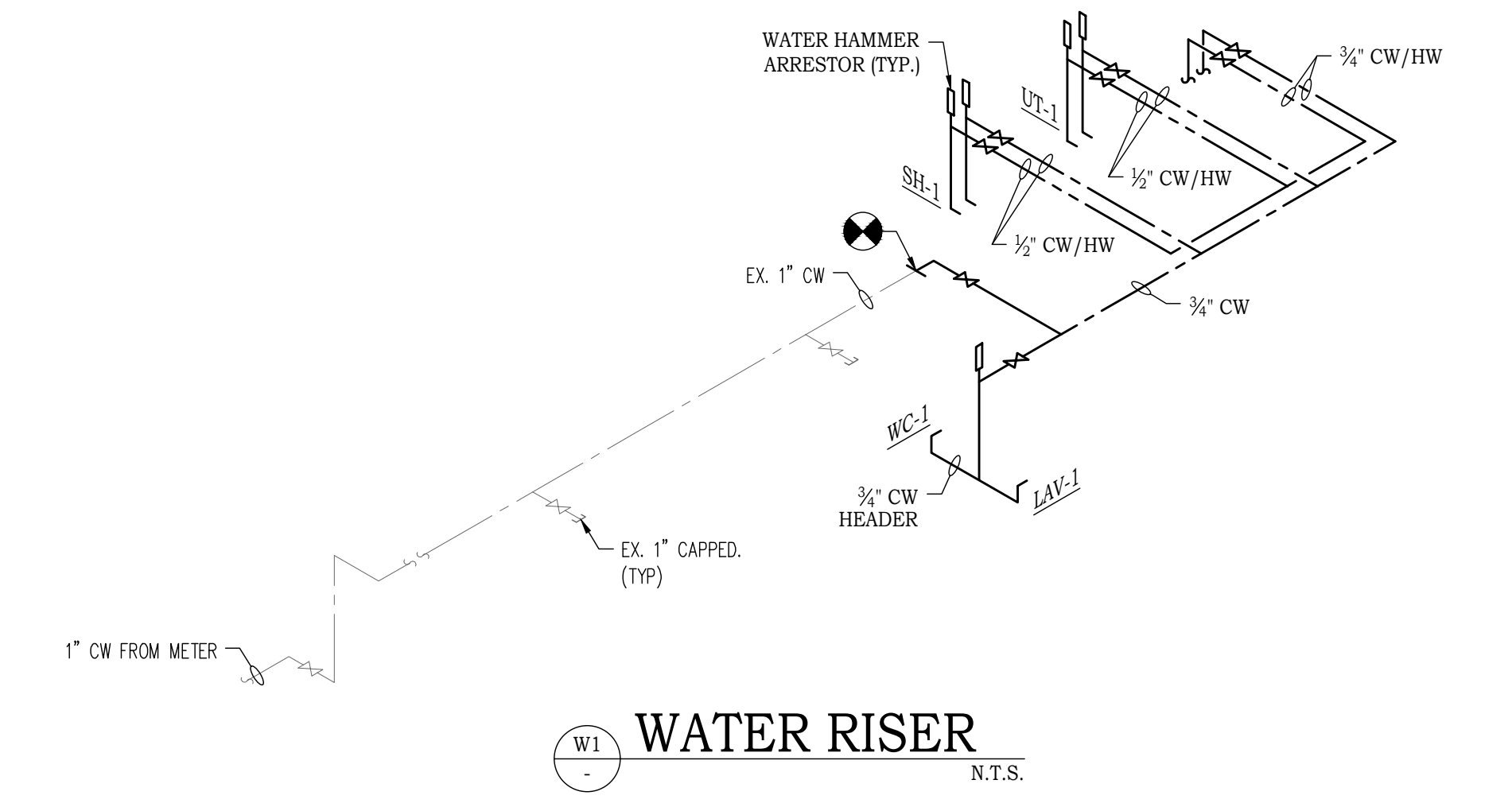
**P4 WALL CLEANOUT DETAIL**  
N.T.S.



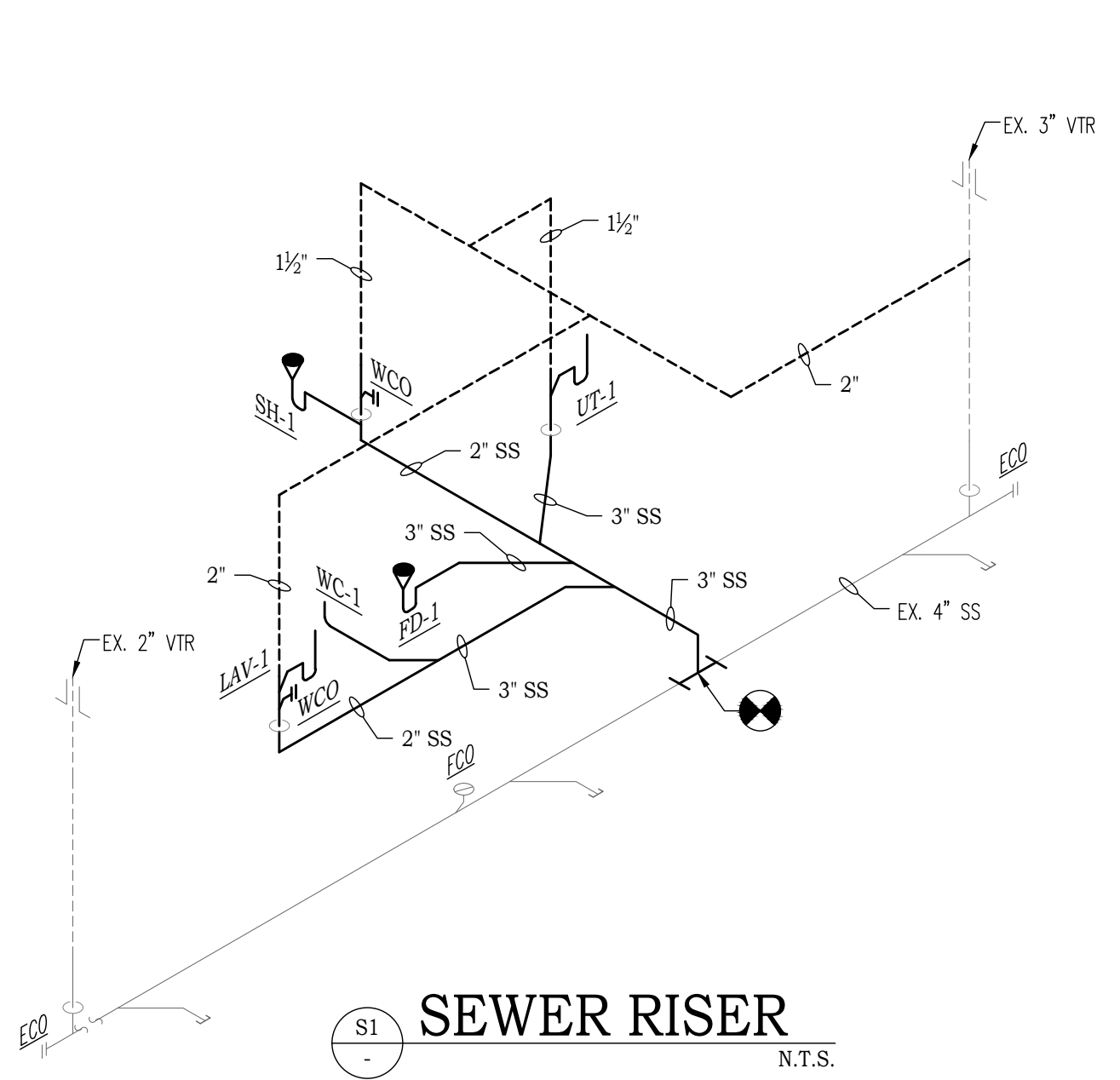
**P5 FLOOR DRAIN FD-1 DETAIL**  
N.T.S. P-D010



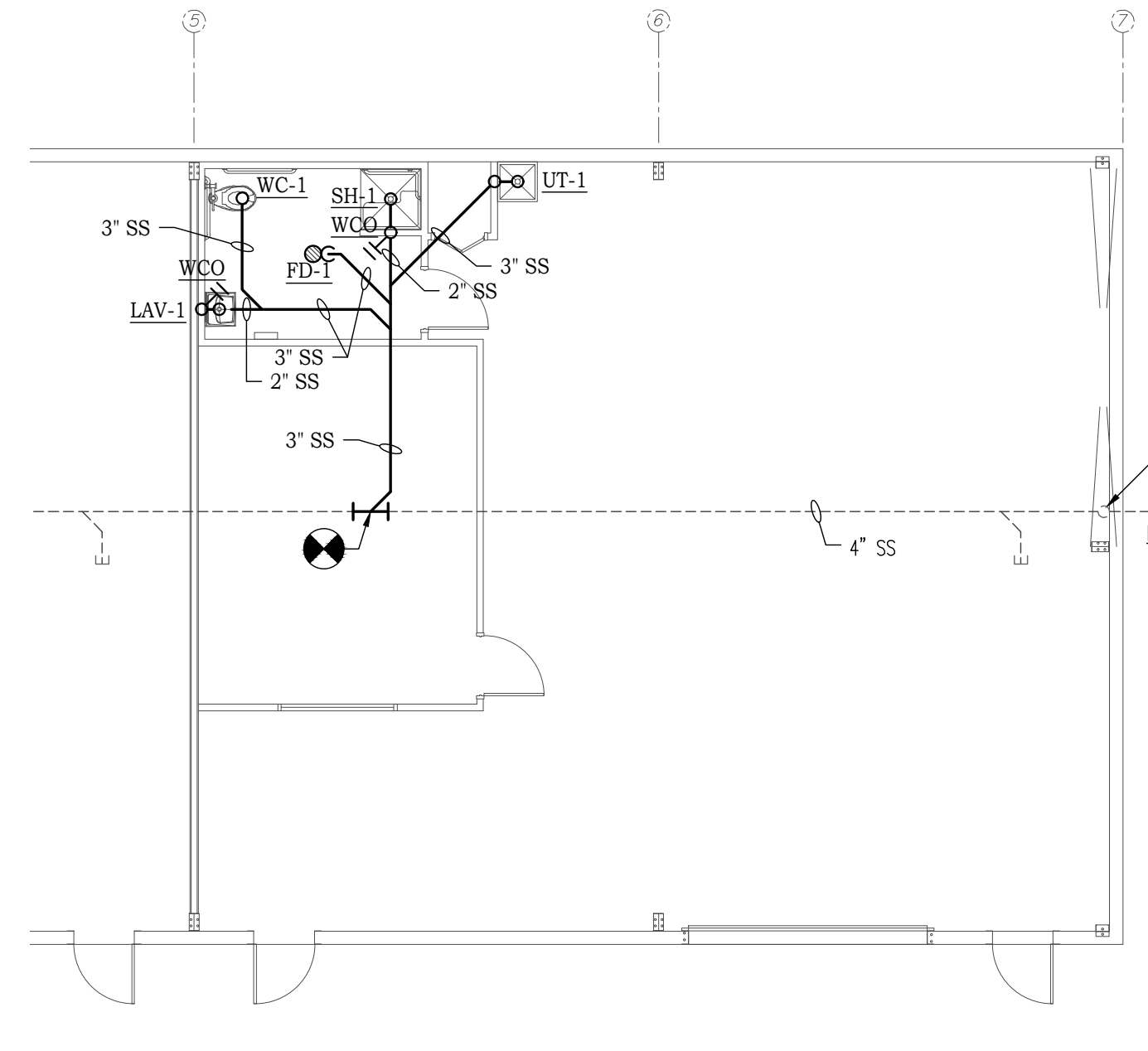
**P6 LAVATORY SUPPORT TRAP PRIMER DETAIL**  
N.T.S.



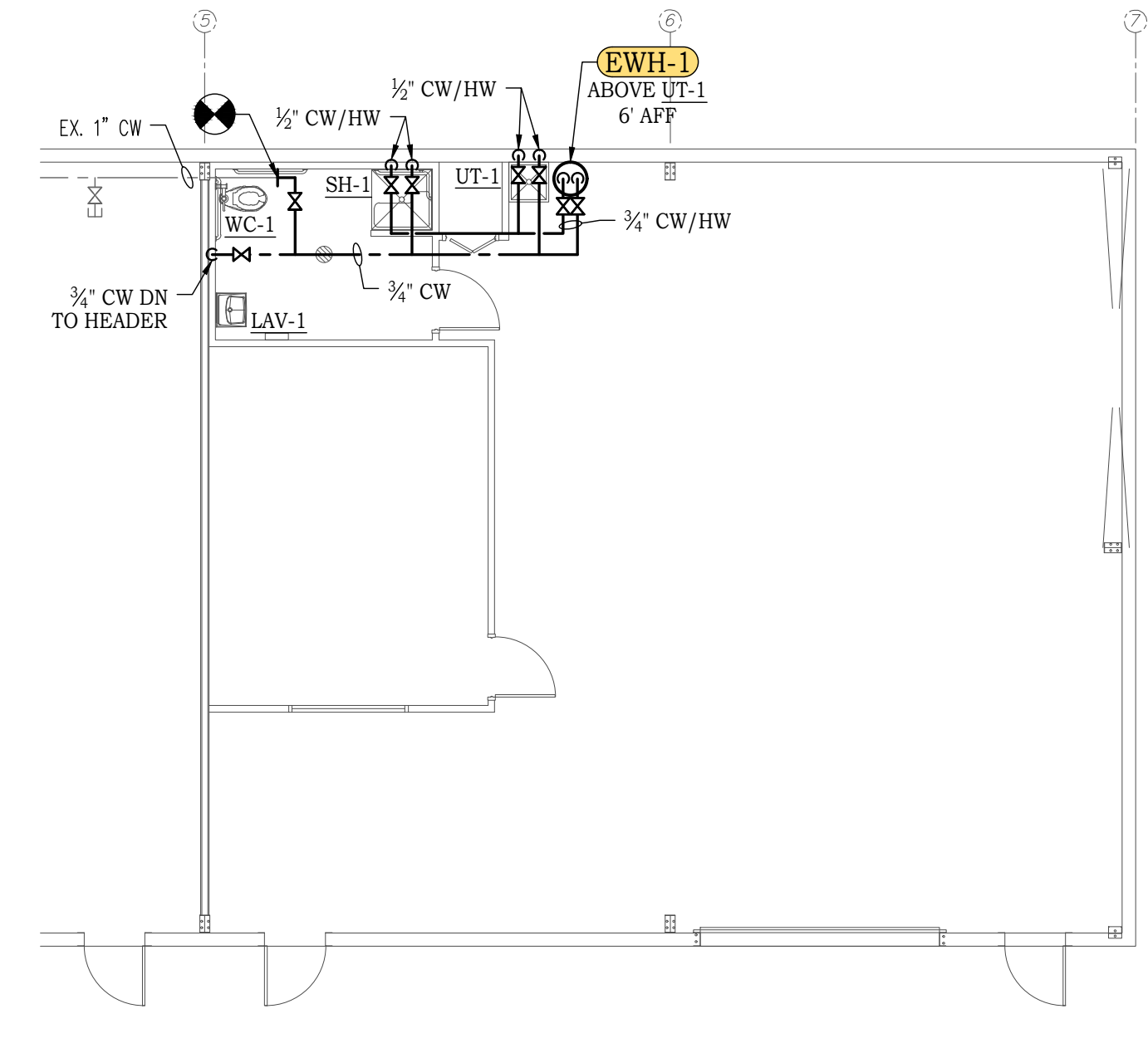
**WATER RISER**  
N.T.S.



**SEWER RISER**  
N.T.S.



**PLUMBING SEWER PLAN**  
1/8" = 1'-0"



**PLUMBING WATER PLAN**  
1/8" = 1'-0"

**ELECTRICAL SPECIFICATIONS**

**GENERAL**

- ALL WORK SHALL BE IN ACCORDANCE WITH THE 2017 NATIONAL ELECTRICAL CODE (N.E.C.), 2020 FLORIDA ENERGY CONSERVATION CODE (7TH EDITION), ALL LOCAL CODES, ORDINANCES, REGULATIONS AND UTILITY POWER AND TELEPHONE COMPANY STANDARDS.
- ALL WIRE SHALL BE COPPER TYPE "THHN" FOR SIZES UP TO #8 AND TYPE "THW" FOR #6 AND LARGER (UNLESS OTHERWISE NOTED), MINIMUM WIRE SIZE SHALL BE #12 AWG.
- ALL BRANCH AND FEEDER CIRCUITS SHALL CONTAIN A SEPARATE GROUNDING CONDUCTOR AND SHALL BE SIZED AND BONDED IN ACCORDANCE WITH ARTICLE 250 OF THE N.E.C.
- ALL CONDUIT INSTALLED IN INTERIOR LOCATIONS SHALL BE TYP E.M.T. WITH STEEL SET SCREW CONNECTORS AND COUPLINGS. ALL CONDUIT INSTALLED IN EXTERIOR LOCATIONS, ABOVE GRADE, SHALL BE GALVANIZED RIGID CONDUIT. ALL CONDUIT BELOW GRADE SHALL BE SCHEDULE 40 PVC. ALL CONDUIT SHALL BE CONCEALED.
- CONTRACTOR TO COORDINATE THE LOCATION OF RECEPTACLES, CONTROL CIRCUITS, COMMUNICATIONS AND DATA OUTLETS, LIGHTING FIXTURES AND DEVICES WITH THE OWNER'S REPRESENTATIVE PRIOR TO INSTALLATION.
- DRAWINGS ARE DIAGRAMMATIC - CONTRACTOR SHALL REFER TO ARCHITECTURAL, CIVIL AND STRUCTURAL DRAWINGS AND FIELD CONDITIONS FOR ALL DIMENSIONS.
- CONTRACTOR SHALL OBTAIN AND FURNISH ALL PERMITS REQUIRED. PROVIDE ALL LABOR, MATERIALS, EQUIPMENT, APPLIANCES AND TOOLS TO PERFORM ALL WORK NECESSARY FOR THE COMPLETE EXECUTION OF THE ELECTRICAL WORK AS SHOWN ON THE DRAWINGS. PROVIDE WORK NOT SPECIFICALLY SHOWN OR SPECIFIED, YET REQUIRED TO INSURE PROPER AND COMPLETE OPERATION OF ALL SYSTEMS AND TO SATISFY THE DESIGN INTENT IN THE WORK AND TO COMPLY WITH ALL APPLICABLE CODES AND REGULATIONS.
- THE DRAWINGS INDICATE THE GENERAL ARRANGEMENT OF CIRCUITS AND OUTLETS. LOCATIONS OF SWITCHES, PANEL BOARDS, CONDUITS AND OTHER WORK PRIOR FIELD VERIFICATION OF ALL DIMENSIONS IS REQUIRED. CONDUIT RUNS AND GROUNDING ARE SHOWN DIAGRAMMATICALLY ONLY. FIELD VERIFY ACTUAL ROUTING OF CONDUITS.
- ANY PENETRATIONS MADE THROUGH A FIRE RATED ASSEMBLY SHALL BE PROPERLY SEALED TO MAINTAIN THE FIRE RATING OF THE ASSEMBLY PER U.L. AND NFPA.
- THE WORK SHALL INCLUDE REVISIONS, DEMOLITION, MODIFICATIONS AND REWORK OF THE EXISTING FACILITY AND SYSTEMS AS REQUIRED FOR INSTALLATION OF NEW WORK, AND FOR CONNECTIONS BETWEEN EXISTING WORK AND NEW WORK WHERE REQUIRED. THE WORK SHALL ALSO INCLUDE THE COMPLETION OF ELECTRICAL POWER AND CONTROL CIRCUITS, FOR DEVICES AND EQUIPMENT THAT ARE TO REMAIN IN SERVICE, IF THE CIRCUITS ARE BROKEN BY DEMOLITION WORK, OR BY THE REMOVAL OR CUTTING OF EXISTING BUILDING CONSTRUCTION, EXISTING DEVICES OR EQUIPMENT. EXISTING CONDUIT WIRES SHALL BE RECONNECTED WHERE NECESSARY.
- EACH BIDDER SHALL INSPECT THE SITE AS REQUIRED FOR KNOWLEDGE OF EXISTING CONDITIONS PRIOR TO BIDDING AND FAILURE TO OBTAIN SUCH KNOWLEDGE SHALL NOT RELIEVE THE SUCCESSFUL BIDDER OF THE RESPONSIBILITY TO MEET EXISTING CONDITIONS IN PERFORMING THE WORK UNDER THIS CONTRACT.
- WHERE NEW WORK CANNOT BE INSTALLED WITHOUT CHANGES IN EXISTING FACILITY OR SYSTEMS OR WHERE IT IS INDICATED ON DRAWINGS TO REWORK AN EXISTING INSTALLATION, THIS CONTRACT SHALL INCLUDE ALTERATIONS TO EXISTING WORK AS REQUIRED TO INSTALL NEW WORK. ADDITIONS TO THE CONTRACT COST WILL NOT BE ALLOWED BECAUSE OF THIS CONTRACTORS FAILURE TO INSPECT EXISTING CONDITIONS AT THE TIME OF BIDDING.
- PROVIDE HACR RATED CIRCUIT BREAKERS FOR ALL HVAC EQUIPMENT.

**CUTTING AND PATCHING**

- THE RESPONSIBILITY FOR ANY CUTTING OF CONSTRUCTION WHICH IS REQUIRED FOR THE INSTALLATION OF DIVISION 16 WORK, SHALL BE BY THE CONTRACTOR. THE CONTRACTOR SHALL COORDINATE WITH ALL OTHER TRADES AND THE OWNER BEFORE ANY CUTTING AND OBTAIN APPROVAL FROM THE ARCHITECT/ENGINEER PRIOR TO ANY CUTTING. ALL PATCHING, PAINTING AND FINISH SHALL BE BY THE CONTRACTOR. CUTTING SHALL BE DONE WITH EXTREME CARE AND IN SUCH A MANNER THAT THE STRENGTH OF THE STRUCTURE WILL NOT BE ENDANGERED. WHEREVER POSSIBLE, OPENINGS IN CONCRETE OR MASONRY SHALL BE PATCHED WITH PORTLAND CEMENT OR ROTARY CORE DRILL. OPENINGS IN ANY CONSTRUCTION SHALL BE CUT THE MINIMUM SIZE REQUIRED FOR THE INSTALLATION OF THE WORK. ADEQUATE PROTECTION SHALL BE PROVIDED TO PREVENT DAMAGE TO ADJACENT AREAS AND TO PREVENT DUST FROM SPREADING TO ADJACENT AREAS.
- WHERE OPENINGS OR HOLES ARE CUT IN CONSTRUCTION AND THE CUTTING BREAKS ELECTRICAL CIRCUITRY OR CONTROL CIRCUITRY CONDUIT AND WIRING, THEN IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO REROUTE THE CIRCUITRY CONDUIT AND REWIRING AND TO COMPLETE THE CIRCUITRY AS REQUIRED AND AS APPROVED BY THE ARCHITECT/ENGINEER. TEMPORARY COMPLETION SHALL BE PROVIDED WHERE NECESSARY BEFORE THE PERMANENT REROUTING AND COMPLETION WORK IS FINISHED.
- BEFORE ANY CUTTING, PATCHING, OR FINISHING WORK IS STARTED, DUST AND MOISTURE PROTECTION SHALL FIRST BE INSTALLED AS REQUIRED AND AS SPECIFIED IN THESE SPECIFICATIONS.
- OPENINGS CUT IN FLOOR SHALL BE CUT BY CORE DRILLING WHERE POSSIBLE. AFTER WORK IS INSTALLED THROUGH ANY OPENING IN FLOOR, THE OPENING AROUND THE WORK SHALL BE PATCHED AND SEALED WATERTIGHT AND EPOXY OR SILICONE BASED, NON-CRACKING ELASTOMERIC SEALANT.

**PAINTING**

- CONTRACTOR SHALL BE RESPONSIBLE FOR REPAINTING AREAS OF CONSTRUCTION THAT ARE SCRATCHED, MARRED, OR DAMAGED BY THE NEW CONSTRUCTION. CONTRACTOR SHALL MATCH THE COLOR, TYPE AND THICKNESS OF PAINT AS PREVIOUS.

**ACCEPTANCE TESTING**

- UPON COMPLETION OF WORK, THE ENTIRE WIRING SYSTEM SHALL BE TESTED, AND SHALL BE SHOWN TO BE IN PROPER WORKING CONDITION IN ACCORDANCE WITH INTENT OF SPECIFICATIONS AND DRAWINGS. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO HAVE ALL SYSTEMS READY FOR OPERATION AND TO HAVE AN ELECTRICIAN AVAILABLE TO OPERATE SAME IN ACCORDANCE WITH AND UNDER THE SUPERVISION OF THE INSPECTION REPRESENTATIVE OF THE ARCHITECT/ENGINEER. THE CONTRACTOR SHALL BE AVAILABLE TO ASSIST IN REMOVAL OF PANEL FRONTS, ETC., TO PERMIT INSPECTION AS REQUIRED.

**AS-BUILT DRAWINGS**

- THE CONTRACTOR SHALL PROVIDE AND KEEP UP TO DATE A COMPLETE RECORD SET OF CONSTRUCTION "AS-BUILTS" BLUE LINE PRINTS WHICH SHALL BE CORRECTED DAILY AND SHALL SHOW ALL CHANGES TO ORIGINAL CONTRACT DRAWINGS, INCLUDING ADDENDA AND CHANGE ORDERS IN ACCORDANCE WITH GENERAL REQUIREMENTS AND SPECIAL CONDITIONS. THIS SET OF PRINTS SHALL BE KEPT ON THE JOB SITE, AND SHALL BE USED ONLY AS A RECORD SET. THIS SHALL NOT BE CONSTRUED AS AUTHORIZATION FOR THE CONTRACTORS TO MAKE CHANGES IN THE LAYOUT WITHOUT DEFINITE INSTRUCTION IN EACH CASE.

**PROTECTION**

- THE CONTRACTOR SHALL KEEP THE CONSTRUCTION SITE CLEAN OF ALL WASTE MATERIALS AND RUBBISH CAUSED BY HIS WORK OR EMPLOYEES. UPON COMPLETION OF THE WORK AND AT TIMES DURING PROGRESS OF THE WORK WHEN REQUESTED BY THE ARCHITECT/ENGINEER, THE CONTRACTOR SHALL REMOVE ALL SURPLUS MATERIALS, RUBBISH AND DEBRIS RESULTING FROM THE OPERATION, AND SHALL LEAVE THE ENTIRE BUILDING AND INVOLVED PORTIONS OF THE SITE, INsofar AS THE WORK OF THE CONTRACT IS CONCERNED, IN A NEAT, CLEAN, AND ACCEPTABLE CONDITION AS APPROVED BY THE ARCHITECT/ENGINEER. EQUIPMENT, LIGHTING FIXTURES, MATERIALS AND ACCESSORIES SHALL BE THOROUGHLY CLEANED OF CEMENT, PLASTER, AND OTHER MATERIALS.
- THE CONTRACTOR SHALL PROVIDE ADEQUATE PROTECTION, WHEREVER WORK IS TO BE PERFORMED IN FINISHED/OCCUPIED SPACES, TO PREVENT DAMAGE TO ADJACENT AREAS, EQUIPMENT, OR FURNISHINGS; TO PREVENT ACCIDENTAL INJURY TO BUILDING OCCUPANTS AND THE PUBLIC; TO PREVENT THE SPREADING OF DUST, DIRT, DEBRIS, AND MOISTURE FROM THE AREA WHERE WORK IS BEING PERFORMED; AND TO PREVENT DIRT, DUST, DEBRIS, AND MOISTURE FROM GETTING ON OR IN THE BUILDING OCCUPANTS' FURNISHINGS OR EQUIPMENT.
- THE CONTRACTOR SHALL REPAIR, AT NO COST TO THE OWNER, ANY DAMAGE DONE BY HIMSELF OR HIS EMPLOYEES. HE SHALL ALSO BE RESPONSIBLE FOR ALL CUTTING AND PATCHING REQUIRED TO PROPERLY INSTALL HIS WORK. THIS SHALL ALSO INCLUDE THE PATCHING OF EXISTING ROADWAYS (PAVED OR IMPROVED), PARKING AREAS, SIDEWALKS, CURBS, GUTTERS, ETC., CUT TO INSTALL WORK PROVIDED BY THE CONTRACTOR. PATCH WORK SHALL COMPLY WITH THE APPLICABLE SECTIONS OF THESE SPECIFICATIONS AND SHALL MATCH THE EXISTING FINISHES.

**GENERAL NOTES**

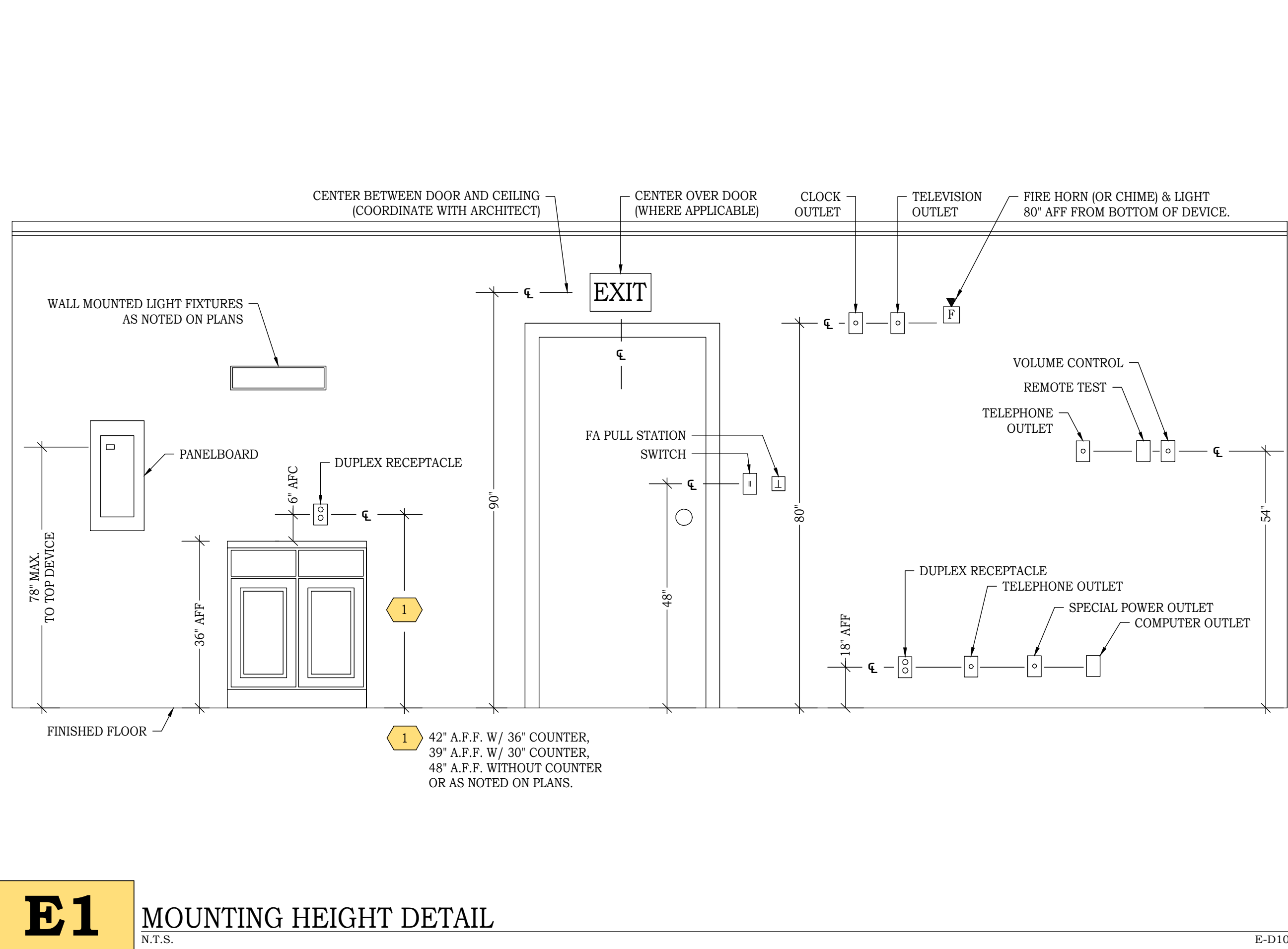
- ALL ELECTRICAL CONDUITS SHALL CARRY A SEPARATE GREEN INSULATED COPPER WIRE SIZED PER NEC UNLESS OTHERWISE INDICATED IN THE DRAWINGS.
- COORDINATE ELECTRICAL REQUIREMENTS FOR ALL EQUIPMENT TO BE INSTALLED BY OTHER TRADES.
- MULTIWIRE BRANCH CIRCUITS IN A SINGLE CONDUIT RUN SHALL BE ALLOWED. WIRE SIZES MIGHT REQUIRE UPSIZING FOR CONDUITS CONTAINING MORE THAN 3 CURRENT CARRYING CONDUCTORS, AS REQUIRED BY THE DERATING GUIDELINES OF ARTICLE 310.15 IN THE 2017 NEC.
- BRANCH CIRCUIT FEEDER WIRE AND CONDUIT SIZES ARE INDICATED ON PANEL SCHEDULES.
- RESTROOM EXHAUST FANS SHALL BE CONTROLLED BY RESTROOM LIGHT SWITCH.
- REFER TO MECHANICAL PLANS FOR EXACT LOCATIONS AND REQUIREMENTS OF MECHANICAL EQUIPMENT.
- EMERGENCY LIGHTING CONTROLLED AHEAD OF LOCAL SWITCH.
- OWNER SHALL HAVE FINAL APPROVAL OF LIGHT FIXTURE SELECTION.
- FIRE ALARM DESIGN BY OTHERS. CONTRACTOR SHALL PROVIDE AND SUBMIT FULL SET OF FIRE ALARM DRAWINGS, DESIGNED, SIGNED AND SEALED BY A FLORIDA LICENSED ENGINEER.
- CONTRACTOR SHALL ENGAGE THE MANUFACTURERS FACTORY-AUTHORIZED SERVICE REPRESENTATIVE TO INSPECT COMPONENTS AND FUNCTION OF LIGHTING CONTROL SYSTEM INSTALLED. REPRESENTATIVE SHALL BE RESPONSIBLE FOR THE FUNCTIONAL TESTING AND SHALL PROVIDE DOCUMENTATION TO THE CODE OFFICIAL CERTIFYING THAT THE INSTALLED LIGHTING CONTROLS MEET THE PROVISIONS OF THE 7TH EDITION OF THE FLORIDA BUILDING CODE ENERGY CONSERVATION SECTION C405 AND C408.3.1. REPRESENTATIVE SHALL BE INDEPENDENT FROM DESIGN OR CONSTRUCTION TEAM. APPROVED MANUFACTURERS ARE WATT STOPPER OR CRESTRON.
- WITHIN 30 DAYS AFTER THE DATE OF SYSTEM ACCEPTANCE, RECORD DRAWINGS OF THE ACTUAL INSTALLATION SHALL BE PROVIDED TO THE BUILDING OWNER, INCLUDING A SINGLE LINE DIAGRAM OF THE BUILDING'S ELECTRICAL DISTRIBUTION, AS REQUIRED PER THE 7TH EDITION OF THE FLORIDA BUILDING CODE - ENERGY CONSERVATION C405.5.4.1.
- AN OPERATING MANUAL AND MAINTENANCE MANUAL SHALL BE PROVIDED TO THE BUILDING OWNER, PER 7TH EDITION OF THE FLORIDA BUILDING CODE - ENERGY CONSERVATION C405.5.4.2. INCLUDE AT A MINIMUM THE FOLLOWING:  
a) SUBMITTAL DATA STATING EQUIPMENT RATING AND SELECTED OPTIONS FOR EACH PIECE OF EQUIPMENT REQUIRING MAINTENANCE.  
b) OPERATION MANUALS AND MAINTENANCE MANUALS FOR EACH PIECE OF EQUIPMENT REQUIRING MAINTENANCE. REQUIRED ROUTINE MAINTENANCE ACTIONS SHALL BE CLEARLY IDENTIFIED.  
c) NAMES AND ADDRESSES OF AT LEAST ONE QUALIFIED SERVICE AGENCY.
- PROVIDE FAULT CURRENT MARKER PER NEC 110.24 AND ARC-FLASH DECALS PER NEC 110.16.
- ALL LIGHTING SHALL BE CONTROLLED BY OCCUPANCY SENSORS, AS MANUFACTURED BY WATT STOPPER DLM SERIES OR EQUAL BY CRESTRON, UNLESS NOTED OTHERWISE. RESTROOMS SWITCHES SHALL BE 2-POLE (SINGLE BUTTON). EXHAUST FANS SHALL CONTINUE TO RUN 5 MIN (ADJUSTABLE) AFTER LIGHT SHUTS OFF. OCCUPANCY SENSORS TO BE DUAL TECHNOLOGY UNLESS NOTED OTHERWISE. CONTRACTOR SHALL CONSULT REPRESENTATIVE FOR TYPE AND PLACEMENT OF OCCUPANCY SENSORS AND PROVIDE SHOP DRAWINGS.
- THIS PROJECT IS IN COMPLIANCE WITH 7TH EDITION FBC - EC C405.5.3 & NEC 210.19 WITH REGARDS TO VOLTAGE DROP FOR BOTH DISTRIBUTION PANEL & DOWNSTREAM BRANCH CIRCUITS.
- RECEPTACLE AND LIGHTING BRANCH CIRCUITS CONDUCTORS SHALL BE SIZED FOR A 3% MAXIMUM VOLTAGE DROP FROM THE SERVICE PANEL TO THE LOAD. CONDUCTOR SIZES SHALL BE UPGRADED BASED ON RUN LENGTH AS FOLLOWS:  
FEEDER LENGTH BELOW 56' #12 AWG  
FEEDER LENGTH BELOW 93' #10 AWG  
FEEDER LENGTH BELOW 144' #8 AWG  
FEEDER LENGTH BELOW 229' #6 AWG  
90 AMP FEEDERS UPGRADED ABOVE #10AWG, SHALL BE DOWN SIZED TO #10AWG IN A JUNCTION BOX LOCATED WITHIN 8' OF DEVICE) INCREASE CONDUIT PER NEC AS REQUIRED.
- EQUIPMENT FEEDERS HAVE BEEN SIZED FOR A MAXIMUM 2% VOLTAGE DROP FROM MAIN SERVICE TO THE PANELS.  
AFTER WALLS ARE FRAMED, MARK ALL OUTLET, DATA, SWITCH, ETC. LOCATIONS ON THE GROUND AND CONFIRM LOCATION AND MOUNTING HEIGHTS WITH OWNER PRIOR TO ANY CONDUIT, ETC. IS INSTALLED.

**LEGEND**

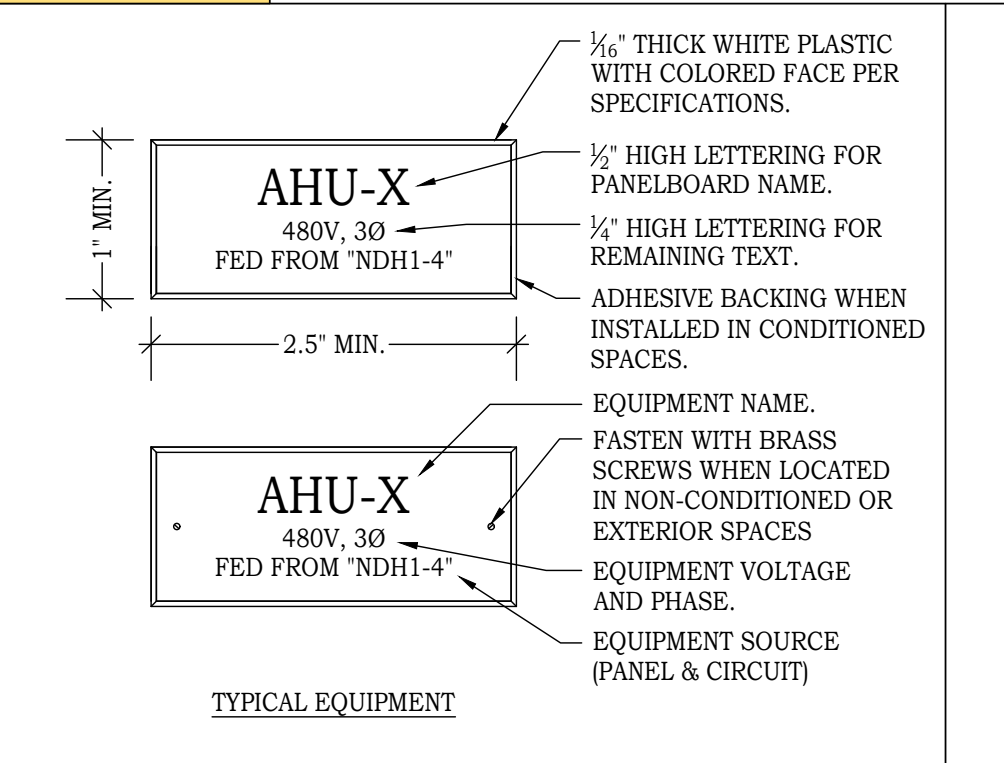
- VANITY LIGHT, 40W LED, OWNER SELECTED
- DUPLEX RECEPTACLE, 18" AFF
- J-BOX
- COMBINATION EXIT / EMERGENCY LIGHT WITH BATTERY BACKUP - BEGHELLI PCH-R-SA OR EQUAL
- HOME RUN
- SHOWER RATED DOWNLIGHT, 20W LED, OWNER SELECTED.
- 2x2 DIMMABLE FLAT PANEL, 50W LED, OWNER SELECTED.
- 8" STRIP FIXTURE, 80W LED, OWNER SELECTED.
- SINGLE POLE SWITCH - TOGGLE TYPE - MOUNT 48" AFF
- SUBSCRIPT INDICATES AS FOLLOWS:  
(D) DIMMER
- MOTOR RATED SWITCH - 1 OR 2 POLE 30 AMP WITH INTEGRAL THERMAL OVERLOADS
- WALL MOUNTED OCCUPANCY SENSOR SWITCH
- DUPLEX GFI RECEPTACLE
- DUPLEX GFI RECEPTACLE MOUNTED ABOVE COUNTER
- EXHAUST FAN MOTOR
- NEW COMM/DATA OUTLET WITH FLUSH MOUNTED 4" SQUARE SINGLE GANG JUNCTION BOX 18" AFF UNLESS NOTED OTHERWISE. EXTEND 1" CONCEALED CONDUIT TO ABOVE ACCESSIBLE CEILING AND STUB-OUT WITH PLASTIC BUSHING OR AS NOTED. INSTALL PULL WIRE.
- FUSED DISCONNECT SWITCH
- BRANCH CIRCUIT PANELBOARD, UNDER 250 VOLTS, SURFACE MOUNTED

**CODE COMPLIANCE REQUIREMENTS**

ALL WORK SHALL BE IN COMPLIANCE WITH THE FOLLOWING CODES, BUT NOT LIMITED TO:  
7TH EDITION OF THE 2020 FLORIDA BUILDING CODE - BUILDING (FBCB)  
7TH EDITION OF THE 2020 FLORIDA BUILDING CODE - EXISTING BUILDING (FBCBE)  
7TH EDITION OF THE 2020 FLORIDA BUILDING CODE - ACCESSIBILITY (FBCA)  
7TH EDITION OF THE 2020 FLORIDA BUILDING CODE - ENERGY CONSERVATION (FBCBC)  
7TH EDITION OF THE 2020 FLORIDA BUILDING CODE - MECHANICAL (FBCMB)  
7TH EDITION OF THE 2020 FLORIDA BUILDING CODE - PLUMBING (FBCP)  
7TH EDITION OF THE 2020 FLORIDA BUILDING CODE - FUEL GAS (FBCFG)  
7TH EDITION OF THE 2020 FLORIDA FIRE PREVENTION CODE (FFPC)  
NFPA 70 - 2017 NATIONAL ELECTRICAL CODE (NEC)



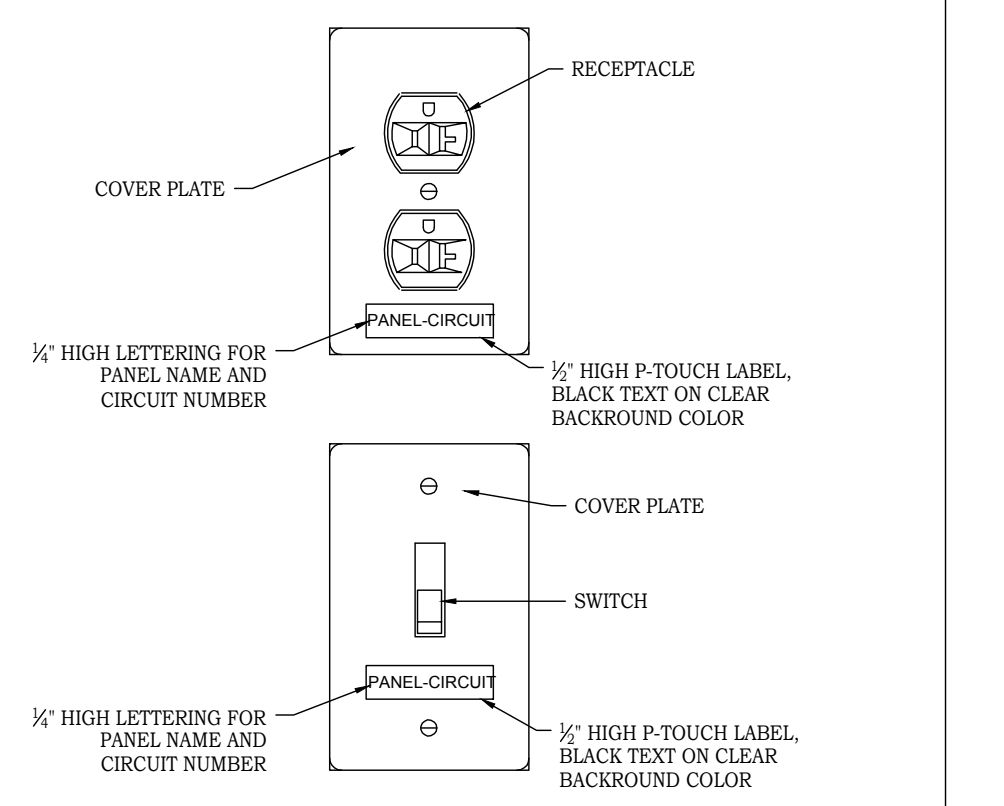
**E1 MOUNTING HEIGHT DETAIL**  
N.T.S. E-D100



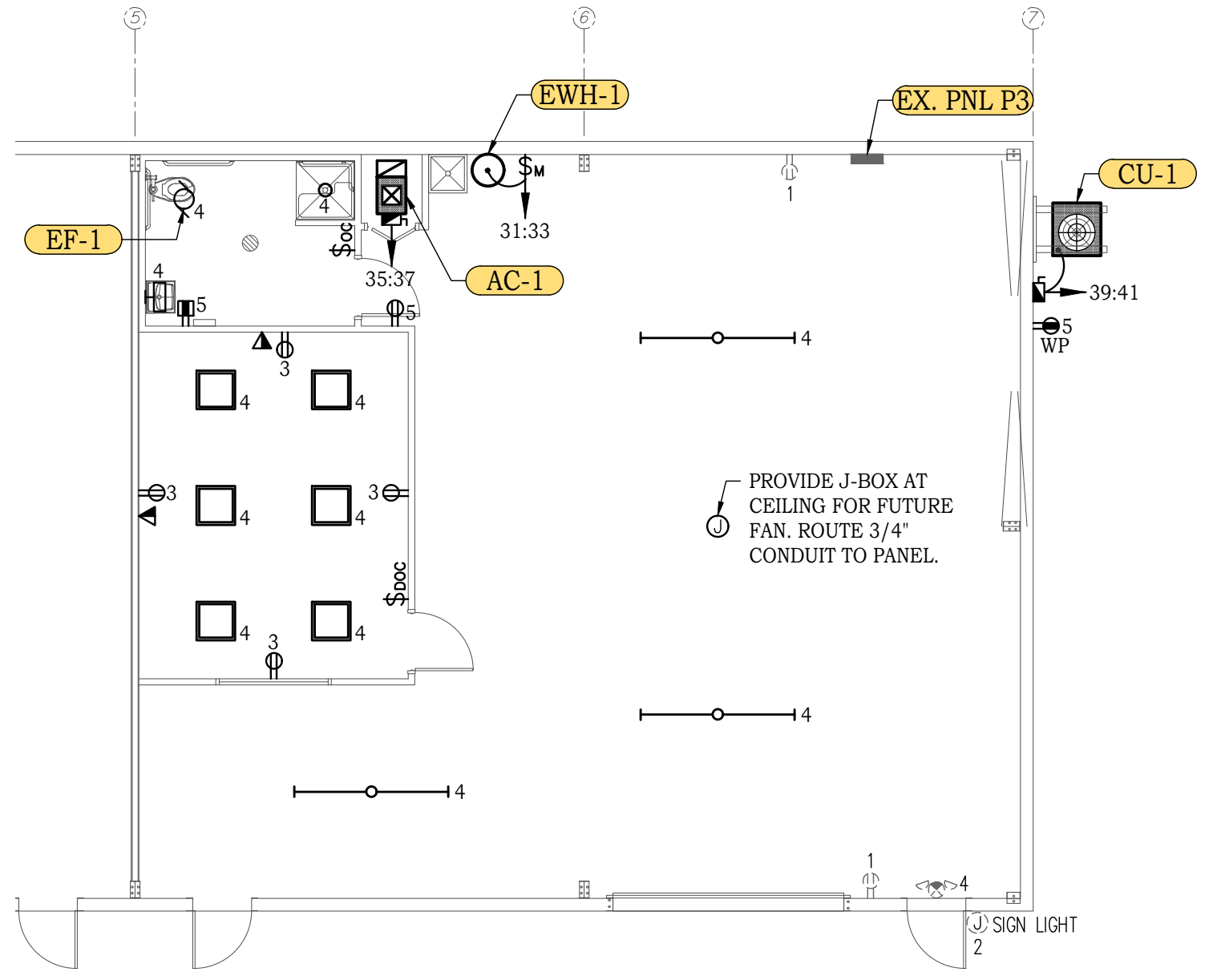
**E3 PANELBOARD NAMEPLATE**  
N.T.S. E-D102



**E2 EQUIPMENT NAMEPLATE**  
N.T.S. E-D101



**E4 DEVICE COVERPLATE**  
N.T.S. E-D102



**ELECTRICAL PLAN**  
1/8" = 1'-0"

