

ABBREVIATIONS

ACT	ACCOUSTICAL TILE
A.F.S	ABOVE FLOOR SLAB
AHU	AIR HANDLER UNIT
ALUM	ALUMINUM
CLG	CEILING
C.J.	CONTRACTION JOINT
☉	CENTER LINE
CMU	CONCRETE MASONRY UNIT
CONC	CONCRETE
DET	DETAIL
DG	DOOR GRILLE
ELEV	ELEVATION
EWC	ELECTRIC WATER COOLER
E.J.	EXPANSION JOINT
FD	FIRE DAMPER
FE	FIRE EXTINGUISHER
F.F.	FACTORY FINISH
FLR	FLOOR
F.O.B.	FACE OF BRICK
F.O.S.	FACE OF STUD/ FACE OF SLAB
GA	GAUGE
GALV	GALVANIZED
GYP BD	GYPSPUM BOARD
HDW	HARDWOOD
H.MET	HOLLOW METAL
HT	HEIGHT
MAT'L	MATERIAL
MAX	MAXIMUM
MIN	MINIMUM
N.C.	NOT IN CONTRACT
NO	NUMBER
OC	ON CENTER
P	PAINT AND COLOR NO.
PL	PLASTIC LAMINATE AND COLOR NO.
PT	PRESSURE TREATED
PVC	POLY VINYL CHLORIDE
RAD	RADIUS
R/A/G	RETURN AIR GRILLE
REINF	REINFORCING
RET	RETAINING
SCWD	SOLID CORE WOOD
SIM	SIMILAR
SHT	SHEET
SQ	SQUARE
STL	STEEL
THK	THICK
T.J.	TOOLED JOINT
T.O.B.	TOP OF BRICK
TYP	TYPICAL
USPS	UNITED STATES POSTAL SERVICE
VCT	VINYL COMPOSITION TILE
WD	WOOD
WWF	WELDED WIRE FABRIC

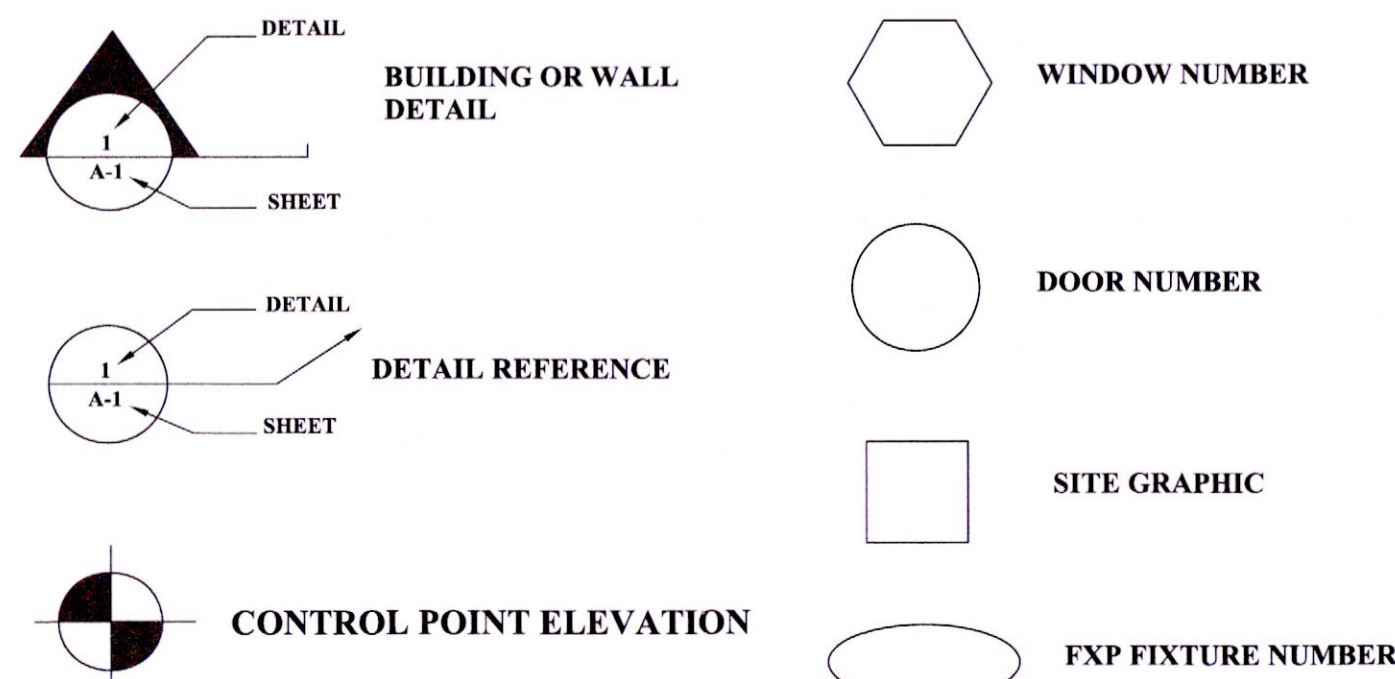
SYMBOLS

	EARTH & FILL		GRAVEL
	CONCRETE		BRICK
	CMU		RIGID INSULATION
	FINISH WOOD		STEEL
	ROUGH WOOD/STUDS OR BLOCKING		BATT INSULATION
	PLYWOOD		GYPSPUM DRYWALL
	ACCOUSTICAL TILE		

PLAN & SECTION INDICATIONS

	BRICK		CONCRETE
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ELEVATION INDICATIONS



GENERAL PROJECT NOTES:

THE STRUCTURAL CONSTRUCTION DOCUMENT REPRESENT THE FINISHED STRUCTURE. THEY DO NOT INDICATE THE METHOD OF CONSTRUCTION. THE CONTRACTOR SHALL PROVIDE ALL MEASURES NECESSARY TO PROTECT THE STRUCTURE DURING CONSTRUCTION. SUCH MEASURES SHALL INCLUDE, BUT NOT BE LIMITED TO, BRACING SHORING FOR LOADS DUE TO CONSTRUCTION EQUIPMENT, ETC. THE STRUCTURAL ENGINEER SHALL NOT BE RESPONSIBLE FOR THE CONTRACTOR'S MEANS, METHODS, TECHNIQUES, SEQUENCES FOR PROCEDURE OF CONSTRUCTION OR THE SAFETY PRECAUTIONS AND THE PROGRAMS INCIDENT THERETO (NOR SHALL OBSERVATION VISITS TO THE SITE INCLUDE INSPECTION OF THESE ITEMS).

CONSTRUCTION MATERIALS SHALL BE SPREAD OUT IF PLACED ON FRAMED CONSTRUCTION. LOAD SHALL NOT EXCEED THE DESIGN LIVE LOAD PER SQUARE FOOT.

WHERE REFERENCE IS MADE TO VARIOUS TEST STANDARDS FOR MATERIALS, SUCH STANDARDS SHALL BE THE LATEST EDITION AND/OR ADDENDA.

ESTABLISH AND VERIFY ALL OPENINGS AND INSERTS FOR ARCHITECTURAL, MECHANICAL, PLUMBING AND ELECTRICAL WITH APPROPRIATE TRADES, DRAWINGS AND SUBCONTRACTORS PRIOR TO CONSTRUCTION.

NOTES AND DETAILS ON DRAWINGS SHALL TAKE PRECEDENCE OVER GENERAL STRUCTURAL NOTES AND TYPICAL DETAILS. WHERE NO DETAILS ARE SHOWN CONSTRUCTION SHALL CONFORM TO SIMILAR WORK ON THE PROJECT.

CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFICATION OF ALL DIMENSIONS WITH ARCHITECTURAL DRAWINGS PRIOR TO START OF CONSTRUCTION. RESOLVE ANY DISCREPANCY WITH THE ARCHITECT.

TYPICAL DETAILS MAY NOT NECESSARILY BE CUT ON PLANS, BUT APPLY UNLESS NOTED OTHERWISE.

ANY ENGINEERING DESIGN, PROVIDED BY OTHERS AND SUBMITTED FOR REVIEW, SHALL BEAR THE SEAL OF ANY ENGINEER REGISTERED IN THE STATE OF LOUISIANA.

THE STRUCTURE IS DESIGNED AS A STABLE UNIT AFTER ALL COMPONENTS ARE IN PLACE THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING TEMPORARY BRACING AS REQUIRED FOR VERTICAL AND LATERAL STABILITY OF THE ENTIRE STRUCTURE OR PORTION THEREOF DURING CONSTRUCTION.

SHOP DRAWING NOTES:

SHOP DRAWINGS SHALL BE SUBMITTED FOR ALL STRUCTURAL ITEMS IN ADDITION TO ITEMS REQUIRED BY SPECIFICATIONS.

THE CONTRACTOR SHALL REVIEW ALL SHOP DRAWINGS PRIOR TO SUBMITTAL. ITEMS NOT IN ACCORDANCE WITH CONTRACT DOCUMENTS SHALL BE FLAGGED UNDER HIS REVIEW. ALL SHOP DRAWINGS SHALL BE REVIEW STAMPED BY CONTRACTOR PRIOR TO SUBMITTAL.

VERIFY ALL DIMENSIONS:

ANY CHANGES, SUBSTITUTIONS, OR DEVIATIONS FROM CONTRACT DOCUMENTS SHALL BE CLOUDED BY MANUFACTURER OR FABRICATOR. ANY OF THE AFOREMENTIONED WHICH ARE NOT CLOUDED OR FLAGGED BY SUBMITTING PARTIES, SHALL TO BE CONSIDERED APPROVED AFTER ENGINEER'S REVIEW, UNLESS NOTED ACCORDINGLY.

THE ARCHITECT MAY DISAPPROVE CHANGES TO THE SHOP DRAWINGS IDENTIFIED AND SUBMITTED BY THE CONTRACTOR DURING SHOP DRAWING REVIEW.

THE SHOP DRAWINGS DO NOT REPLACE THE CONTRACT DOCUMENTS. ITEMS OMITTED OR SHOWN INCORRECTLY AND ARE NOT FLAGGED BY THE STRUCTURAL ENGINEER OR ARCHITECT ARE NOT TO BE CONSIDERED CHANGES TO CONTRACT DOCUMENTS. IT IS THE CONTRACTOR'S RESPONSIBILITY TO MAKE SURE ITEMS ARE CONSTRUCTED TO CONTRACT DOCUMENTS.

THE ADEQUACY OF ENGINEERING DESIGNS AND LAYOUT PERFORMED BY OTHERS RESTS WITH THE DESIGNING OR SUBMITTING AUTHORITY.

REVIEWING IS INTENDED ONLY AS AN AID TO THE CONTRACTOR IN OBTAINING CORRECT SHOP DRAWINGS. RESPONSIBILITY FOR CORRECTNESS SHALL REST WITH THE CONTRACTOR.

CONTRACTOR SHALL NOT REPRODUCE ANY PORTION OF CONTRACT DOCUMENTS FOR SHOP DRAWINGS.

METAL BUILDING DESIGN CRITERIA- IBC-2021 EDITION - ASCE-7-16

EAVE HEIGHT	REFER TO DRAWINGS
LIVE LOAD - ROOF	20 PSF - IBC-2021 TABLE 1607.1
WIND LOAD	150 MPH - 3 SECOND GUST IBC-2021 - 1609/ MAP NO. 1609.3(3)
SNOW LOAD	5.0 PSF - IBC-2021 TABLE 1607.1
UL90 ROOF UP- LIFT RATING	"B" IBC-2021 - 1609.4.2
WIND EXPOSURE	IBC 2021 CHAPTERS 1604 & 1609/ ASCE 7-16
IMPORTANCE WIND	1.0 / DESIGN CATEGORY "B"
IMPORTANCE- SEISMIC	5 PSF
COLLATERAL LOAD (PSF)	REFER TO DRAWINGS
ROOF SIDEWALL PANELS	REFER TO DRAWINGS
RISK CATEGORY	IV- IBC-2021 - TABLE 1604.5.2

ALL GUTTERS, DOWNSPOUTS, AND FLASHINGS 24 GA. 20 YR. COLOR NEW LINE. REINFORCED VINYL INSULATION, REFER TO DRAWINGS. PROVIDE FRAMED OPENINGS AS INDICATED ON PLANS. ALL FASTENERS SELF DRILLING TYPE.

METAL BUILDING SUPPLIER TO PROVIDE ANCHOR BOLT PLAN, FABRICATION AND ERECTION SHOP DRAWINGS. DESIGN DRAWINGS OF PRE-ENGINEERED METAL BUILDING SHALL BE PREPARED UNDER THE DIRECT SUPERVISION OF A LICENSED PROFESSIONAL ENGINEER IN THE STATE OF LOUISIANA. ALL DRAWINGS SHALL BE SEALED BY ENGINEER. SUPPLIER SHALL SUPPLY TO PROFESSIONAL OF RECORD ALL DESIGN LOAD CALCULATIONS AND MOMENT LOADS. METAL BUILDINGS SUPPLIER SHALL DESIGN ROOF AND WALL LOADS TO INCLUDE ALL DEAD LOADS OF MECHANICAL EQUIPMENT, LIGHTING, AND HEATERS.

BUILDING OCCUPANCY CATEGORY = IV (IBC-2021 TABLE 1604.5)
METAL BUILDING MANUFACTURES EQUAL TO STAR, CECO, LUDWIG, BUTLER, NUCOR, KIRBY, VP, INLAND, USA IDEAL STEEL, AMERICAN, OR APPROVED EQUAL.

-REFER TO DRAWINGS FOR METAL ROOFING SIDING AND CANOPY DATA. COLOR OF SIDING, TRIM, FLASHING SHALL BE SIGNATURE 200 STANDARD COLOR RANGE. "SMP" SILICONE MODIFIED POLYESTER COATING WITH STANDARD LIMITED WARRANTY (MBCI STANDARD WARRANTY)

*REFER TO DRAWINGS FOR VINYL FACED METAL BUILDING ROOF INSULATION UNDER STANDING SEAM ROOF. 2-LAYERS WITH R-30, UPPER LAYER 3 1/2" R-19 WITH LOWER LAYER 6" R-19. JOHN MANVILLE "SIMPLE SAVER" SYSTEM OR APPROVED EQUAL. PROVIDE WITH METAL STRAPS AND FABRIC LINER. INSTALL TO MANUFACTURES SPECIFICATIONS AND RECOMMENDATIONS. REFER TO DETAIL DRAWING.

- REFER TO ALTERNATE NO.1 BID ITEM DRAWINGS FOR HOT DIPPED GALVANIZED STEEL AT ALL STEEL FRAMING OF FRONT AND REAR 40'-0" COVERED AREAS.
- METAL ROOFING EQUAL TO MBCI SUPERIOR STANDING SEAM ROOF WITH 2" VERTICAL LEG (16" WIDE PANELS) WITH GALVALUME PLUS FINISH.

STANDARD SEAM "GALVALUME PLUS" SHALL HAVE 20 YEAR LIMITED STANDARD WARRANTY.

VERTICAL LEG MECHANICALLY FASTENED STANDING SEAM ROOF SHALL HAVE 20 YEAR WEATHER TIGHTNESS STANDARD WARRENTY-I.

ROOF INSTALLER SHALL PROVIDE A 2 YEAR (24 MONTH) WEATHER TIGHTNESS WARRANTY ON THE INSTALLATION OF THE STANDING SEAM ROOF SYSTEM: AS REQUIRED BY THE WEATHER TIGHTNESS STANDARD WARRANTY-I.

CONTRACTOR SHALL SUBMIT ALL ROOFING AND SIDING WARRANTIES TO ARCHITECT AS PART OF THE REQUIRED CLOSEOUT DOCUMENTS. REFER TO DRAWINGS FOR FRONT & REAR COVERED AREAS FOR HOT DIPPED GALVANIZING.

SIDING AND ROOF NOTES:

- METAL EXTERIOR SIDING SHALL BE EQUAL TO MBCI 26 GA "PBR" SIDING WITH SIGNATURE-200 "SMP" COLORS (STANDARD) SELECTED BY OWNER. SIDING WARRANTY SHALL BE EQUAL TO MBCI STANDARD WARRANTY FOR COLOR AND MATERIALS.
- STANDING SEAM ROOF SHALL BE DESIGNED TO ACCOMMODATE MOVEMENT TO PREVENT ANY BUCKLING AND OIL CANNING. IF DIFFERENT CLIP IS REQUIRED TO ACCOMMODATE ROOFING INSULATION, CONTRACTOR SHALL ADVISE ARCHITECT PRIOR TO PROJECT BIDDING

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NEW FIRE STATION NO. 134 FOR ST. TAMMANY FIRE DISTRICT NO. 13
425 LEEWARD LOOP ST. TAMMANY PARISH
COVINGTON, LOUISIANA 70433

PROJECT DESCRIPTION:	NEW FIRE STATION FOR STFD 13, ST. TAMMANY PARISH, LOUISIANA	
GROSS BUILDING AREA:	NEW APPARATUS ROOM:	3,017 SF (S-2) - LOW HAZARD STORAGE
	NEW BUNK ROOMS/ LIVING:	2,452 SF (R-3) - RESIDENTIAL
	2ND LEVEL MECHANICAL ROOM:	358 SF (S-1) - MODERATE HAZARD STORAGE
	GROSS ENCLOSED AREA:	5,826 SF
	EXTENDED OPEN ROOF CANOPY UNDER BID ALTERNATES 1 & 2 :	7,220 GROSS SF 13,046 SF TOTAL AREA UNDER ROOF W/ COVERED AREAS IF SPECIFIED

CODES:

- 2015 EDITION NFPA LIFE SAFETY CODE-NINTH EDITION
- 2021 EDITION INTERNATIONAL BUILDING CODE
- 2020 EDITION NATIONAL ELECTRIC CODE
- 2021 EDITION INTERNATIONAL PLUMBING CODE
- 2021 EDITION INTERNATIONAL MECHANICAL CODE
- 2021 EDITION INTERNATIONAL FUEL GAS CODE
- 2015 EDITION NFPA 88A - STANDARDS FOR PARKING STRUCTURES
- 2019 EDITION EXISTING BUILDING CODE
- 2019 EDITION FIRE ALARM- NFPA-72
- 2019 EDITION NFPA 13, 13R 13D SPRINKLER SYSTEM

IBC-2021 - R-3 (SLEEPING AREA)

S-2 (LOW HAZARD, MIX OCCUPANCY)
NFPA-2015 - "S" STORAGE (LOW HAZARD), RESIDENTIAL CHAPTER 26 LODGING (R-3)
CONSTRUCTION "TYPE V-B"
BUILDING OCCUPANCY CATEGORY - IV
WIND SPEED 150 MPH - 3 SECOND GUST - IBC 2021 - 1609.3/ ASCE 7-16 FIG. 26.S-1D
WIND ZONE "B" - IBC 2021 - 1609.4.2
FLOOD ZONE "AE" - COMMUNITY PANEL NO. 22103C0285F
FINISHED FLOOR ELEV: 25'-6"// (MINIMUM BFE 24'-0" + 12" FREEBOARD)
OCCUPANT CATEGORY: IV - IBC-2021 (TABLE 1604.2)
IMPORTANCE WIND FACTOR - 1.15 ASCE- 7-16 TABLE 6.1 W/ SUPPLEMENT NO. 1 & IBC 2021 MAP 1609.3(3)
ROOF LIVE LOAD - 20 PSF
SNOW LOAD - 5 PSF
COLLATERAL LOAD - 5 PSF
STAIRS - 100 PSF LIVE LOAD
FLOOR LIVE LOAD - 250 PSF AT APPARATUS ROOM FLOOR SLAB
60 PSF AT BUNK/ LIVING AREA
100 PSF AT 2ND FLOOR ATTIC AREA/ MECH/SERVER

$F_{PGA} = 1.6$	$S_{DS} = 0.096g$
$F_a = 1.6$	$S_{D1} = 0.094g$
$F_v = 2.4$	$S_{MS} = 0.144g$
$S_s = 0.09g$	$S_{M1} = 0.144g$
$S_1 = 0.059g$	

*Based on 2008 USGS MAPS

$T_p = 12$	$CR_s = 0.882$
$PGA = 0.043$	$CR_f = 0.882$
$SID = 0.6$	$I_p = 1.5$
$PGA_M = 0.069$	$C_v = .70$

SOIL DESIGN FOR FOUNDATION - REFER TO FOUNDATION DRAWINGS

TOPO FACTOR: "I"
SEISMIC DESIGN CATEGORY: "B"
SEISMIC USE GROUP: "I"
SEISMIC IMPORTANCE FACTOR: 1.0
SEISMIC SITE CLASS: "D"
RISK CATEGORY: II
SEISMIC ZONE: I
SURFACE ROUGHNESS: "B"

WIND DATA

INTERNAL PRESSURE COEF. : +0.18/-0.18 (ENCLOSED)- ASCE-7-16/ IBC 2021
ALL WINDOWS MINIMUM DP-50 RATING
CLADDING/ COMPONENTS COEF.: (PNET) - ASCE -7-16 SIMPLIFIED DESIGN METHOD FOR LOW RISE BUILDINGS LESS THEN 60'-0" TALL
*REFER TO STRUCTURAL DRAWINGS

GENERAL NOTES:

- ALL INSULATION SHALL HAVE A FLAME SPREAD OF 0-25 AND A SMOKE DEVELOPED OF 0-450.
- INTERIOR WALLS AND CEILINGS SHALL HAVE A FLAME SPREAD OF 0-75 AND SMOKE DEVELOPED RATING OF 0-450. CLASS "A" AT INTERIOR EXIT STAIRWAYS, INTERIOR EXIT RAMPS AND EXIT PASSAGeways.
 - INTERIOR WALLS AND CEILINGS FINISHES AT CORRIDORS AND ENCLOSURE FOR EXIT ACCESS STAIRWAYS AND EXIT ACCESS RAMPS SHALL BE CLASS "B" FLAME SPREAD 0 -25, SMOKE DEVELOPED 0 -450
 - INTERIOR WALLS AND CEILINGS AT ROOMS AND ENCLOSED SPACES SHALL BE CLASS "C": FLAME SPREAD 0 -200, SMOKE DEVELOPED 0 -450
- PORTABLE FIRE EXTINGUISHERS SHALL COMPLY WITH NFPA AND BE 4A-60BC, 10 LB. WALL MOUNTED WITH BRACKETS AT 5'-0" TO CENTER OF EXTINGUISHER DIAL, TYPE "K" AT KITCHEN AREA.
- ALL ELECTRICAL WORK SHALL COMPLY WITH NFPA 70- 2020 EDITION, NEC 2020 EDITION W/ AMENDMENTS.
- CONTRACTOR SHALL PAY FOR ALL PERMITS AND FEES.
- CONTRACTOR TO PROVIDE ALL INSURANCE DURING THE PROJECT AS INDICATED ON BID FORMS.
- UPON COMPLETION OF THE PROJECT, THE CONTRACTOR SHALL TURN OVER TO THE OWNER ALL CLOSE-OUT DOCUMENTS, WARRANTIES, GUARANTEES, O&M MANUAL, LIEN WAIVERS, AIA FORMS 6706 & G706A, CONSENT OF SURETY, CONTRACTOR'S ONE YEAR WARRANTY, AND "AS-BUILT DRAWINGS". REFER TO PROJECT MANUAL FOR ALL CLOSE-OUT AND CONTRACT DOCUMENTS.
- ALL GYPSPUM BOARD SHALL BE 5/8" ON FIRE RATED BOARD ON RATED WALLS WHERE INDICATED ON PLANS.
- INSTALL ADA SIGNS AT ALL TOILET ROOMS. EACH SIGN SHALL BE 8" HIGH X 6" WIDE MOUNTED PER ADA REQUIREMENTS. FURNISH SIGNS WITH HANDICAPPED SYMBOL AND BRAILLE TYPE. SIGN SHALL BE LABELED "MEN" & "WOMEN".
- PROVIDE "ADA" WALL MOUNTED "EXIT" (NON ILLUMINATED) SIGN AT ALL EXITS. COORDINATE LOCATION WITH ARCHITECT.
- ALL MEMBRANE PENETRATION SHALL CONFORM TO IBC 2021 - 711.3.2 AND 711.3.1.2.

THESE DESIGN AND CONSTRUCTION DOCUMENTS AT THE SOLE PROPERTY OF JOSEPH F. SCHNEIDER, JR. AIA, ARCHITECT. NO USE OR REPRODUCTION OF THESE DOCUMENTS OR PARTIAL USE OR PARTIAL REPRODUCTION IS ALLOWED. NO USE OF THESE DRAWINGS WITHOUT THE WRITTEN EXPRESSED PERMISSION OF JOSEPH F. SCHNEIDER, JR. ARCHITECT IS ALLOWED.

THESE PLANS AND SPECIFICATIONS HAVE BEEN PREPARED BY OR UNDER MY CLOSE PERSONAL SUPERVISION, AND TO THE BEST OF MY KNOWLEDGE AND BELIEF, THEY COMPLY WITH ALL CITY REQUIREMENTS, AND THAT I AM ADMINISTERING THE PROJECT.

BY:

LICENSE NO. 4206

REVISIONS	BY



NEW FIRE STATION NO. 134 FOR ST. TAMMANY FIRE DISTRICT NO. 13
425 LEEWARD LOOP ST. TAMMANY PARISH
COVINGTON, LOUISIANA 70433

JOSEPH F. SCHNEIDER JR., AIA
ARCHITECT
L.A. #4206 MS #3020 AL #8724 FL #AR05908 TX #24294
105 EVANGELINE DRIVE, SLIDELL, LOUISIANA 70460
(985) 290-6648
jfsarchitect@charter.net

DRAWN
H. SCHNEIDER
CHECKED
J. SCHNEIDER
DATE
03/20/2024
SCALE
AS NOTED
JOB NO.
22-10
SHEET
T-1
OF SHEETS

ELEVATION DATUM = NAVD 1988
BASE FLOOD ELEVATION = 24.0'

REFERENCE BEARING:
Iron Rod A to Iron Rod B
S89°59'44"W
(per Reference Survey)



21

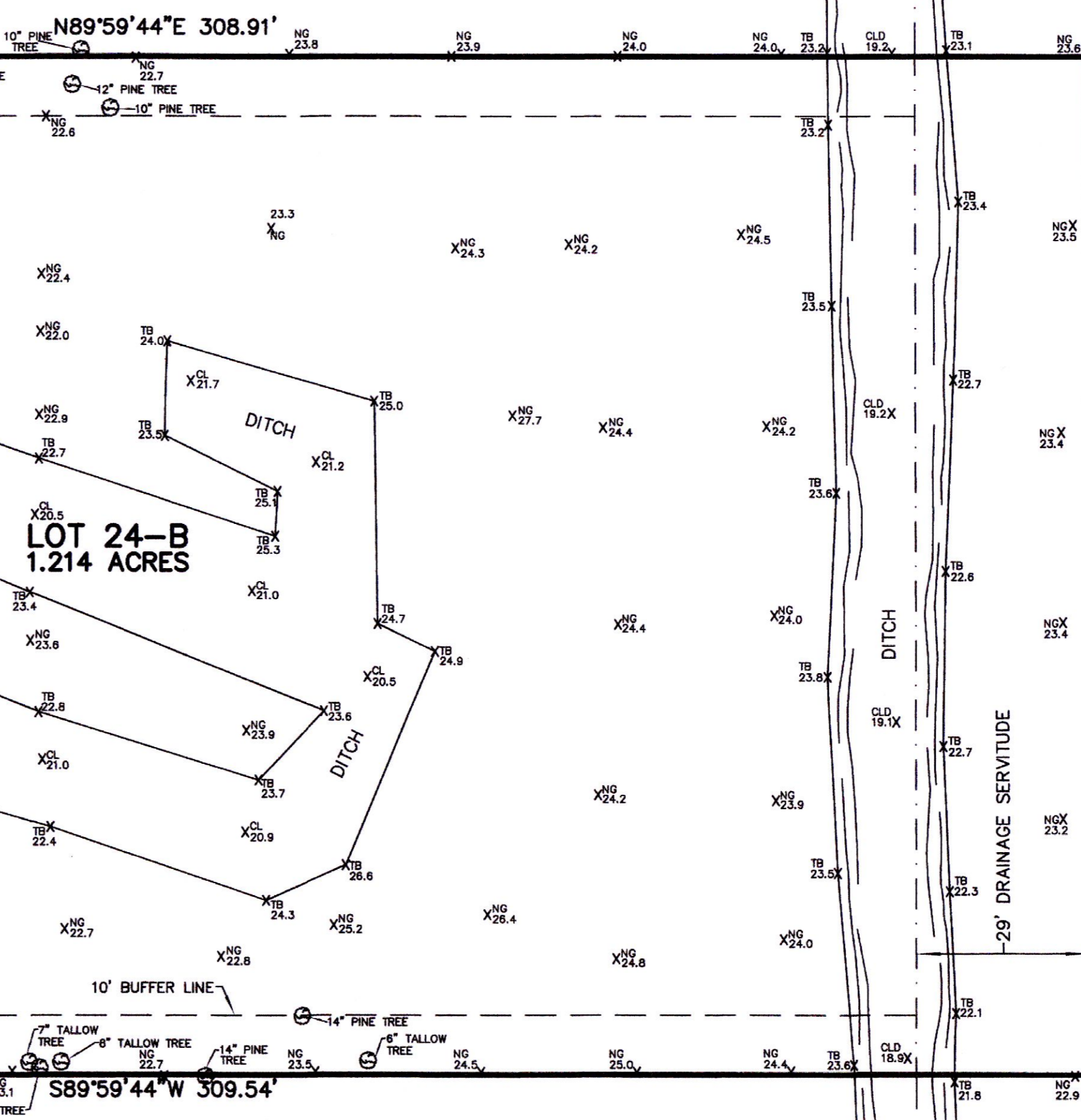
23

24-A

25-A

LEEWARD LOOP (CONCRETE) 24" X 24" X 18"

TEMPORARY BENCHMARK
(MAG NAIL)
N=718072.334
E=3642273.665
ELEV=23.31
(STATE PLANE COORDINATE SYSTEM = LA SOUTH NAD-83)



- LEGEND**
- ⊙ = 1/2" IRON ROD SET
 - ⊕ = SEWER CLEAN-OUT
 - ⊞ = FIRE HYDRANT
 - ⊞ = WATER VALVE
 - NG = NATURAL GROUND
 - TB/TBD = TOP BANK OF DITCH
 - CL/CLD = CENTERLINE OF DITCH
 - EOC = EDGE OF CONCRETE
 - CLRD = CENTERLINE OF ROAD
 - INV = INVERT

- NOTES:**
- This property is located in Flood Zone A, per F.E.M.A. Map No. 225205 0210 C, dated October 17, 1989.
 - BUILDING SETBACK LINES:**
FRONT = 25'
REAR & SIDE YARD = 0' FOR PARTY WALLS, OTHERWISE 5'.
If adjoining a non industrial zoning district, then the front yard requirements shall apply to the rear and sides. However, Parish minimum landscape buffer requirements will apply that may exceed minimum setback requirements.
SETBACKS TO BE VERIFIED BY ST. TAMMANY PARISH.

REVIEWED FOR
STATE FIRE MARSHAL
AS PER REVIEW LETTER
BY: WILLIAM D. JONES, ARCHITECT, CBO
William D. Jones

REFERENCE SURVEY:
Survey for Northpointe Business Park, LLC by John G. Cummings, Surveyor, dated December 12, 2020, latest revision January 19, 2021, filed, St. Tammany Parish Clerk of Court Map File No. 5993B.

John G. Cummings & Associates
PROFESSIONAL LAND SURVEYORS
503 N. JEFFERSON AVE. COVINGTON, LOUISIANA 70433 (985) 892-1549

PLAT PREPARED FOR: **St. Tammany Parish Fire District 13**

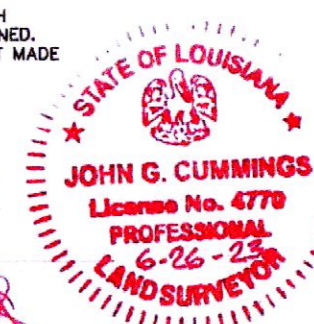
SHOWING A SURVEY OF: **LOT 24-B, NORTHPOINTE BUSINESS PARK, PHASE 2, ST. TAMMANY PARISH, LOUISIANA.**

SCALE: 1" = 20'	DATE: 6/8/2023	JOB NO. 20291-24BTP	REVISED:
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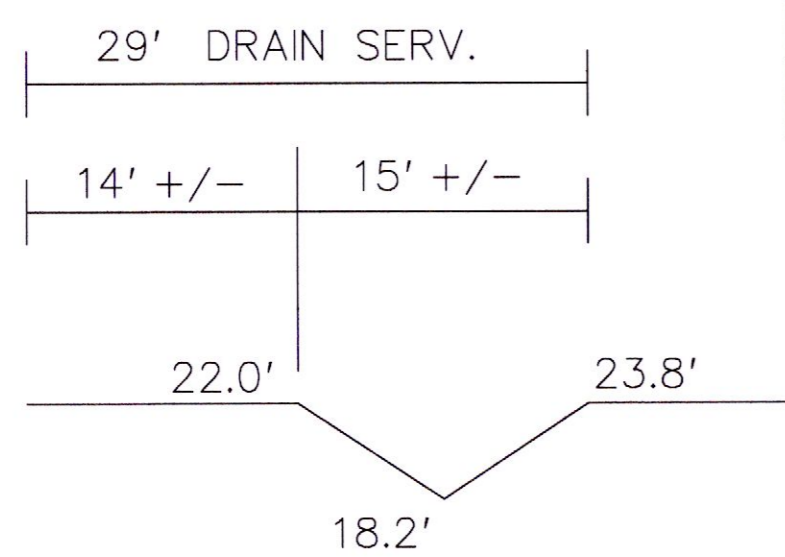
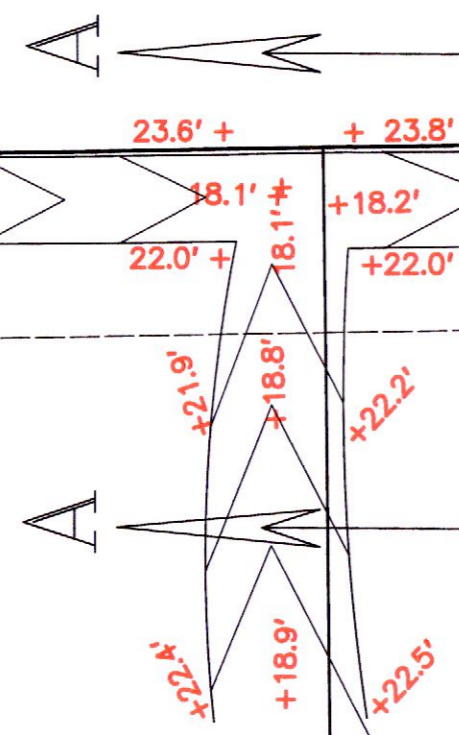
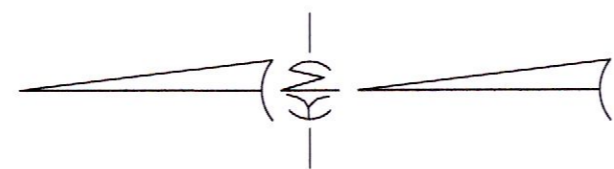
THERE IS NO REPRESENTATION THAT ALL APPLICABLE SERVITUDES AND/OR RESTRICTIONS HAVE BEEN SHOWN HEREON. ANY SERVITUDES AND/OR RESTRICTIONS SHOWN ON THIS PLAT ARE LIMITED TO THOSE SET FORTH IN THE DESCRIPTIONS AND/OR INFORMATION FURNISHED THE UNDERSIGNED. A TITLE OR PUBLIC RECORD SEARCH FOR SUCH INFORMATION WAS NOT MADE BY THE UNDERSIGNED IN COMPLYING DATA FOR THIS SURVEY.

THIS PLAT REPRESENTS A PHYSICAL SURVEY MADE ON THE GROUND BY ME OR THOSE UNDER MY DIRECTION, AND IS IN ACCORDANCE WITH THE APPLICABLE STANDARDS OF PRACTICE AND BEARS A CLASS C SURVEY.

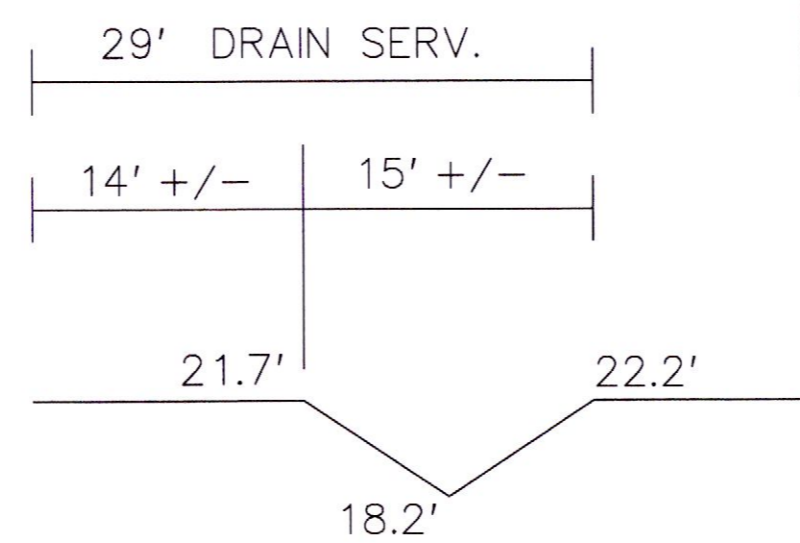
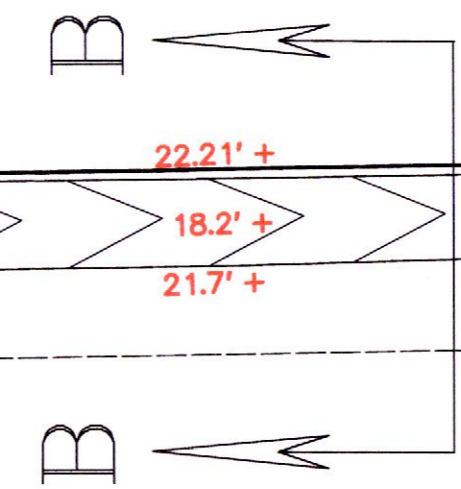
John G. Cummings
JOHN G. CUMMINGS, P.L.S.



LA HWY 1077



SECTION A-A
1" = 10'



SECTION B-B
1" = 10'

29' DRAINAGE SERVITUDE

LEEWARD LOOP

LOT 16

LOT 24-A

LOT 24-B

LOT 25-A

LOT 26

LEGEND:

23.2' + = "AS BUILT" ELEVATIONS

■ = WEIR

≡≡≡ = RELOCATED DITCH

REVIEWED FOR
STATE FIRE MARSHAL
AS PER REVIEW LETTER
BY: WILLIAM D. JONES, ARCHITECT, CBO
William D. Jones



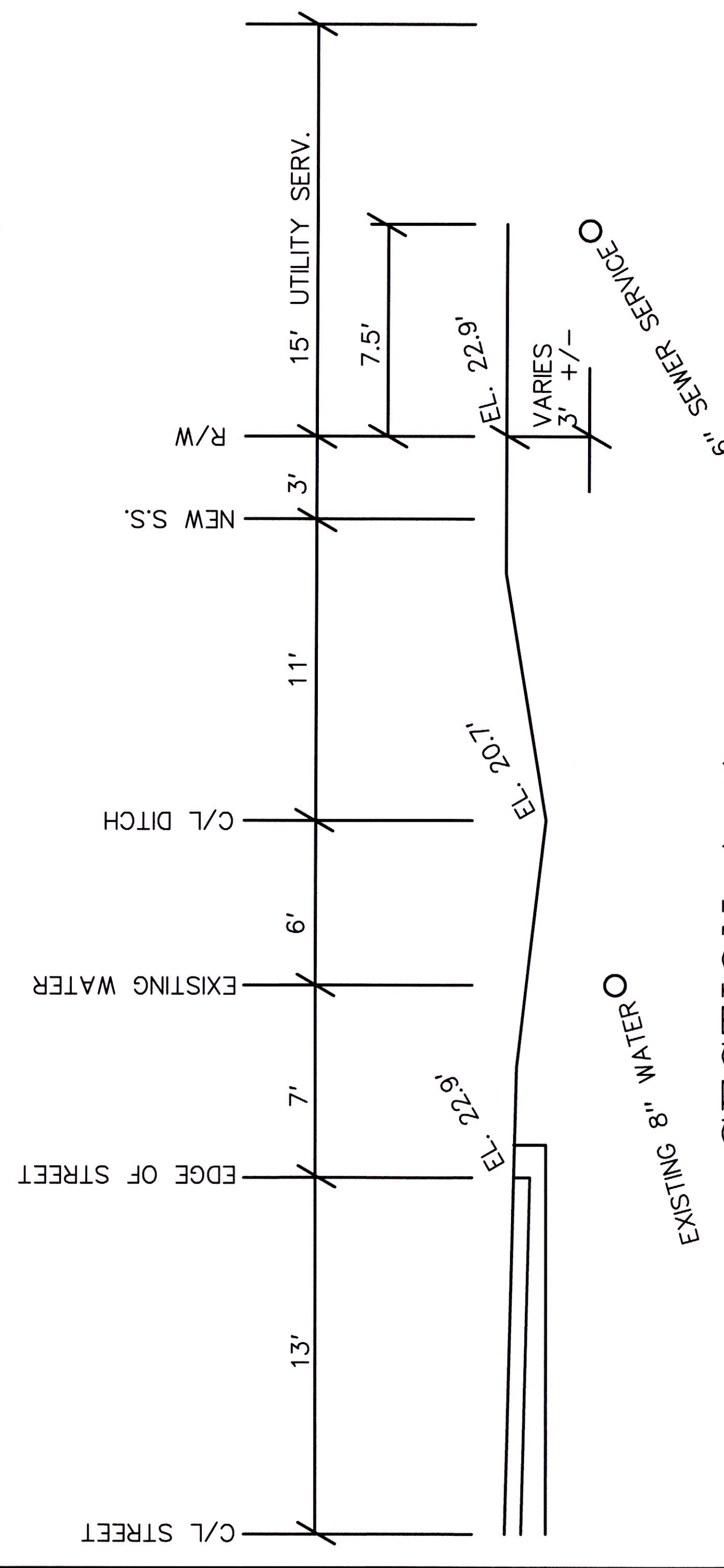
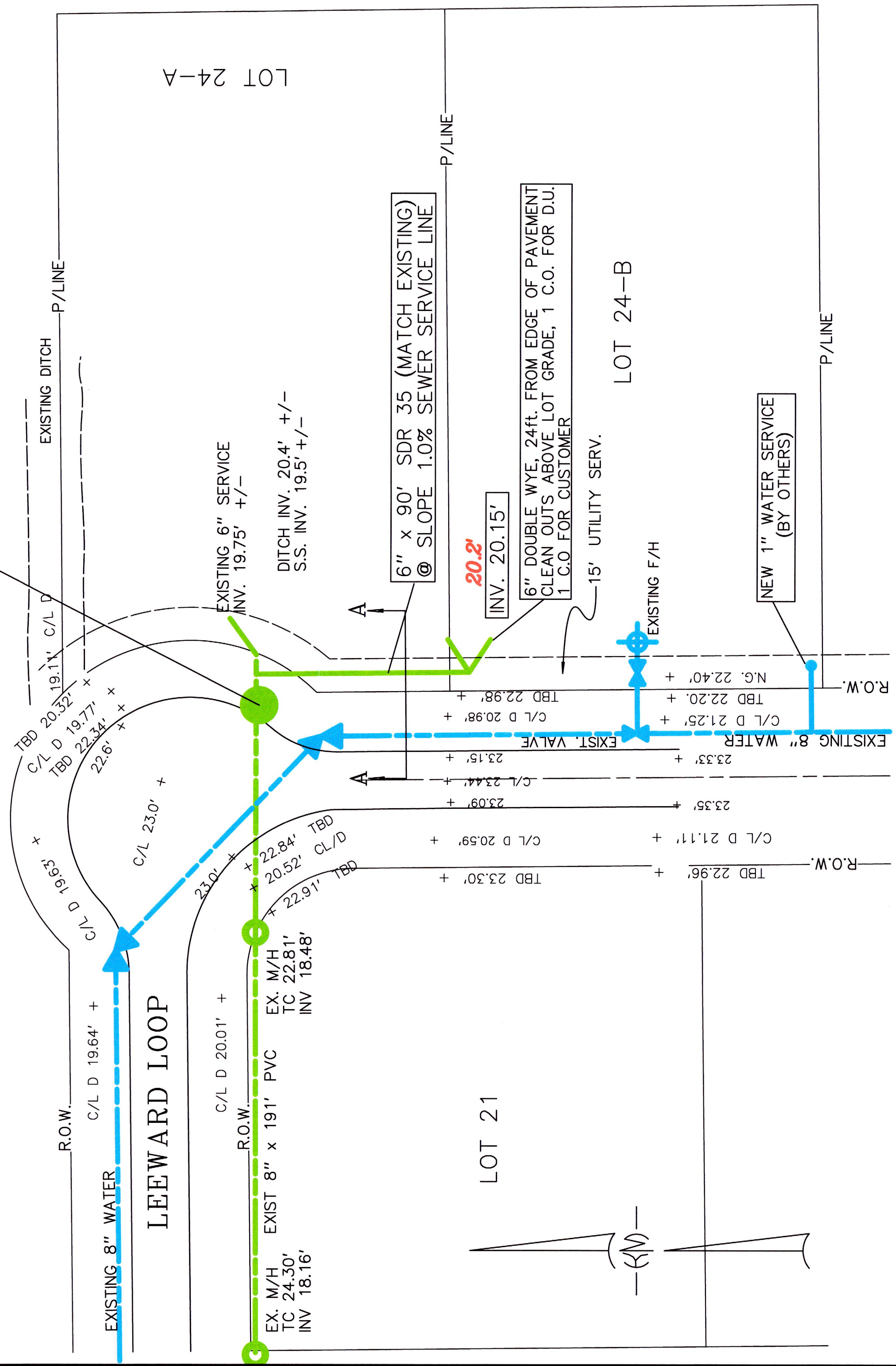
"AS-BUILT" DITCH RELOCATION
LOTS 16, 24-A, 24-B, 25-A AND 26
NORTHPOINTE SUBDIVISION
ST. TAMMANY PARISH, LA.

REVISIONS		KELLY McHUGH & ASSOCIATES, INC	
MARK	DATE	845 GALVEZ ST., MANDEVILLE, LA. 626-5611	
		SCALE: 1" = 30'	DATE: 10-09-23
		DRAWN: CCM	JOB NO.: 22-066
		CHECKED:	DWG. NO.:

I: DATA\2023\22-066 DITCH SKETCH

LOT 16

6" SWEEPING WYE AND CLEAN OUT WITH CONCRETE PAD AND METAL LID PLACED AT 5ft. FROM EDGE OF STREET IN ROAD SHOULDER AND OUT OF DITCH



SECTION A-A
SCALE 1" = 7.5'

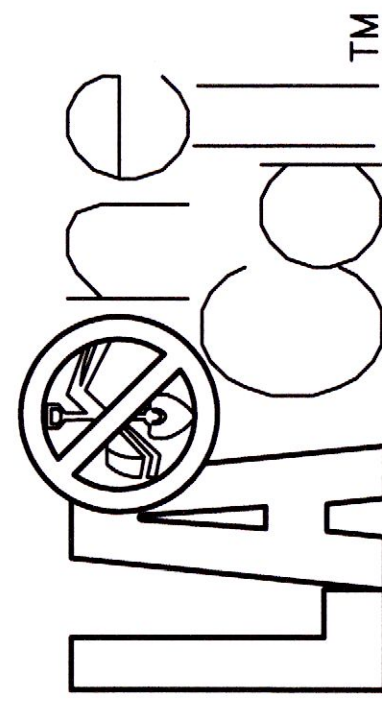
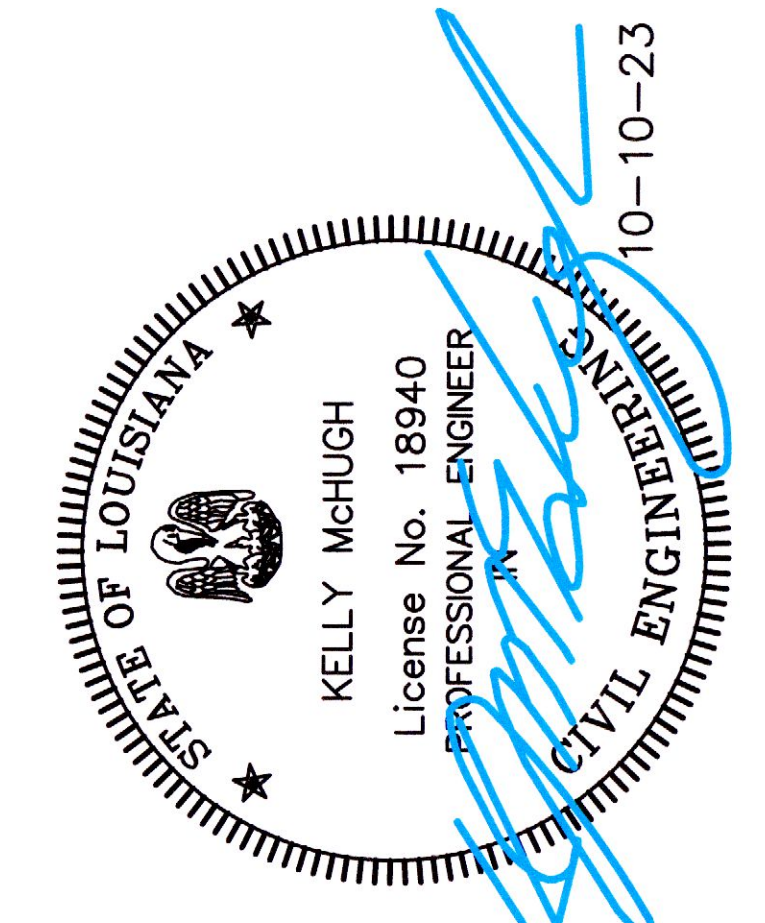
LEGEND:
●●●● = "AS BUILT" ELEVATIONS

REVIEWED FOR STATE FIRE MARSHAL AS PER REVIEW LETTER BY: WILLIAM D. JONES, ARCHITECT, CBO
William D. Jones

"AS BUILT" 6" SEWER SERVICE

LOT 24-B
NORTHPOINTE SUBD., PH 2
ST. TAMMANY PARISH, LA.

KELLY McHUGH & ASSOCIATES
CIVIL ENGINEERS & LAND SURVEYORS
MANDEVILLE, LOUISIANA

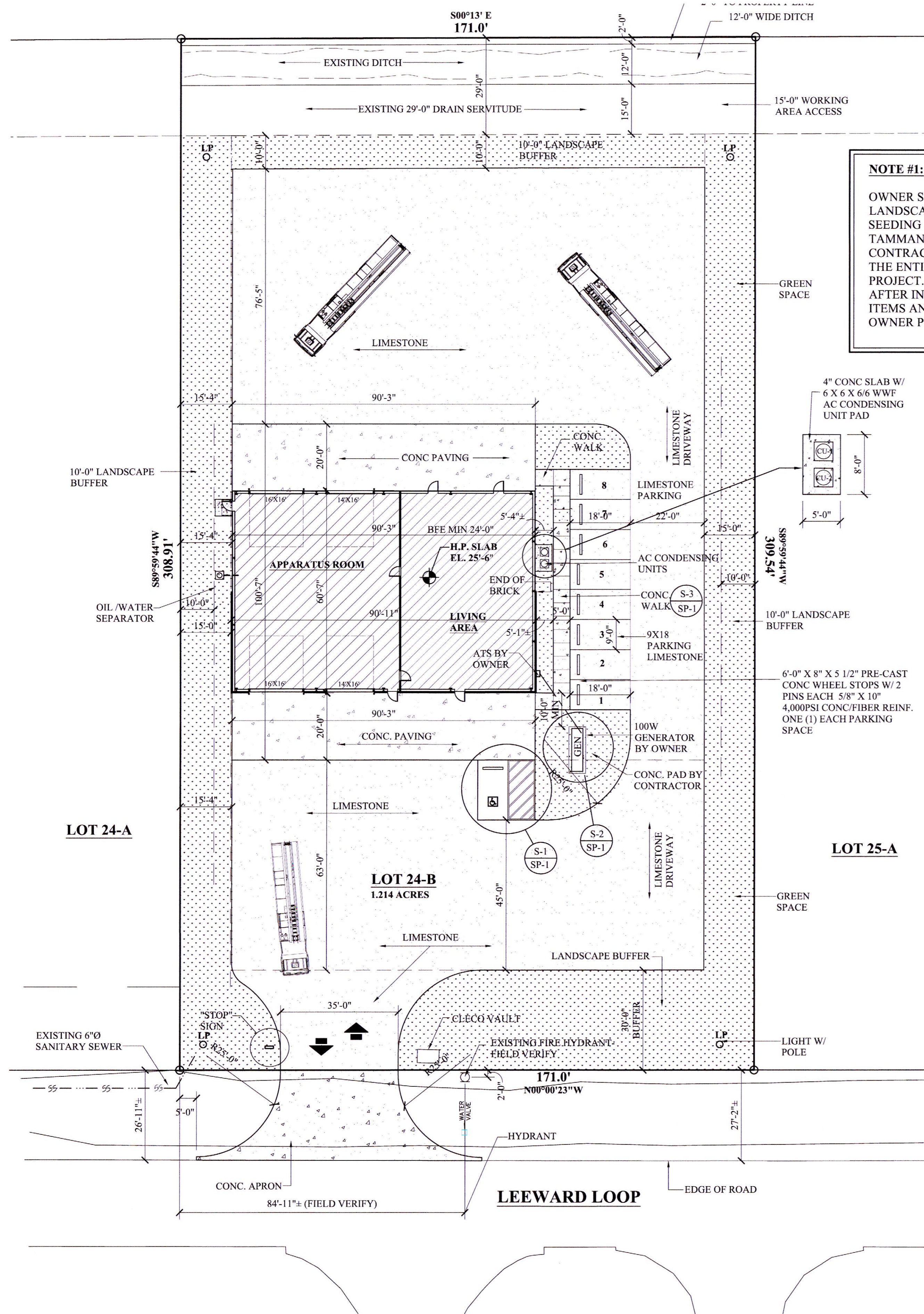


Call before you dig.
1-800-272-3020

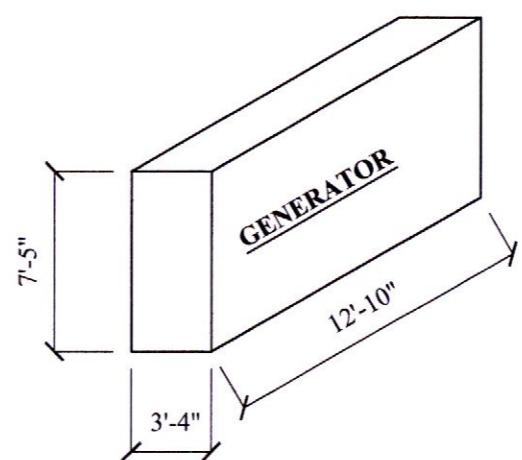
CONTRACTOR SHALL LOCATE AND PROTECT ALL EXISTING UTILITIES

DATE:	10-10-23
DRAWN:	MDM
JOB NO.:	23-066
CHECKED:	DWG. NO.: 23-066-SS

LOTS 2023/A23-066 LOTS 24 & 25 6 IN SEWER SERVICE AS BUILT

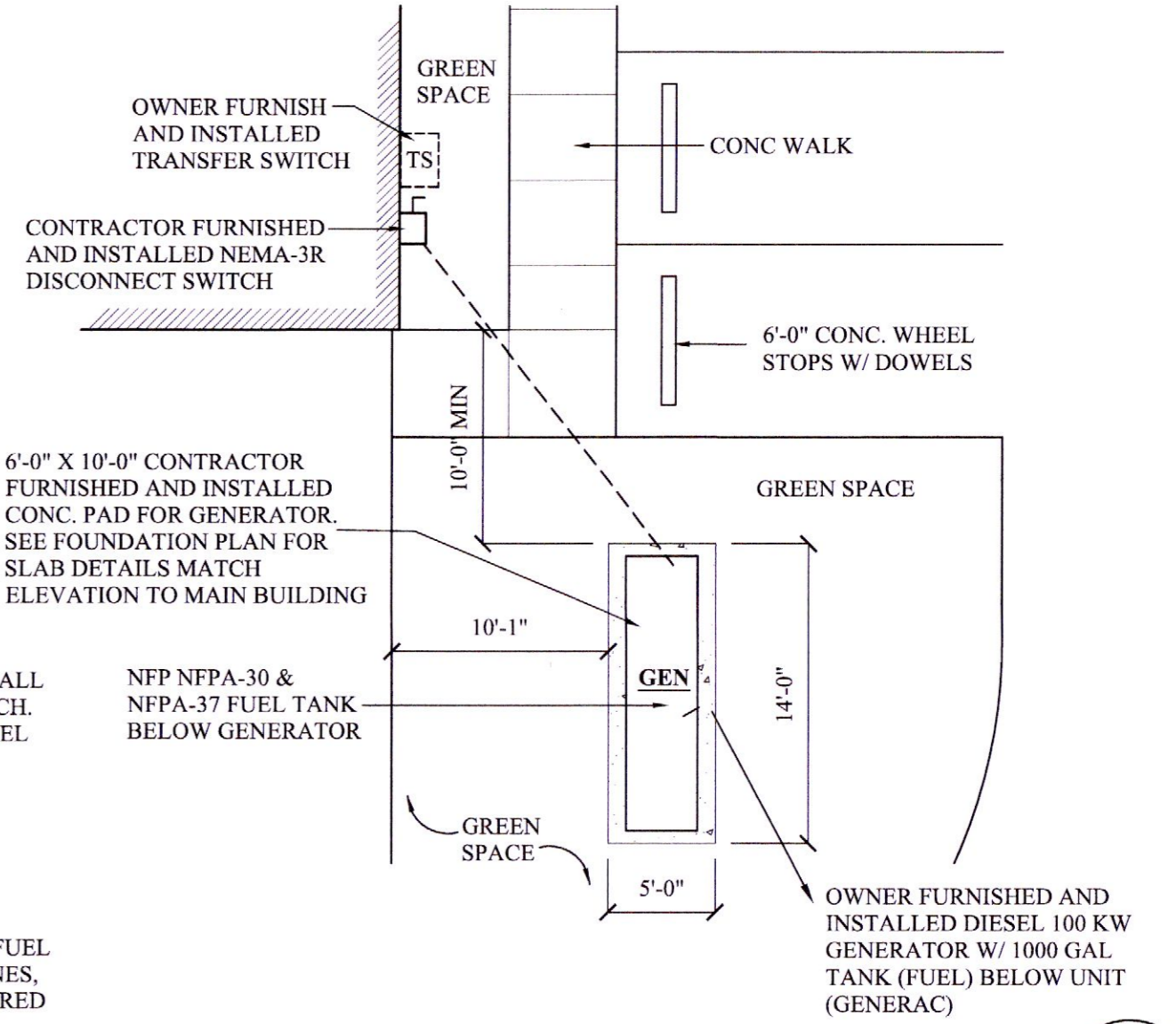


NOTE #1:
 OWNER SHALL PROVIDE AND INSTALL ALL LANDSCAPING, CONSISTING OF TREES, SCRUBS, SEEDING AND SOD CONSISTENT WITH ST. TAMMANY PARISH REQUIREMENTS. GENERAL CONTRACTOR RESPONSIBLE FOR FINE GRADING OF THE ENTIRE SITE AFTER COMPETITION OF THE PROJECT. FINE GRADING SHALL BE COMPLETED AFTER INSTALLATION OF OWNER PROVIDED WORK ITEMS AND PRIOR TO INSTALLATION OF ALL OWNER PROVIDED AND INSTALLED LANDSCAPING.

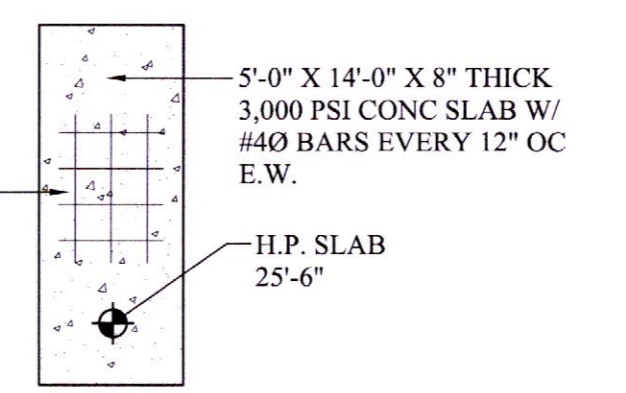


GENERAL CONTRACTOR SHALL PROVIDE AND INSTALL CONCRETE PAD, CONDUIT, AND DISCONNECT SWITCH FOR OWNER FURNISHED AND INSTALL 100 KW DIESEL GENERAC GENERATOR AND TRANSFER SWITCH. CONTRACTOR SHALL COORDINATE WITH OWNER LOCATION OF CONDUIT TO GENERATOR.

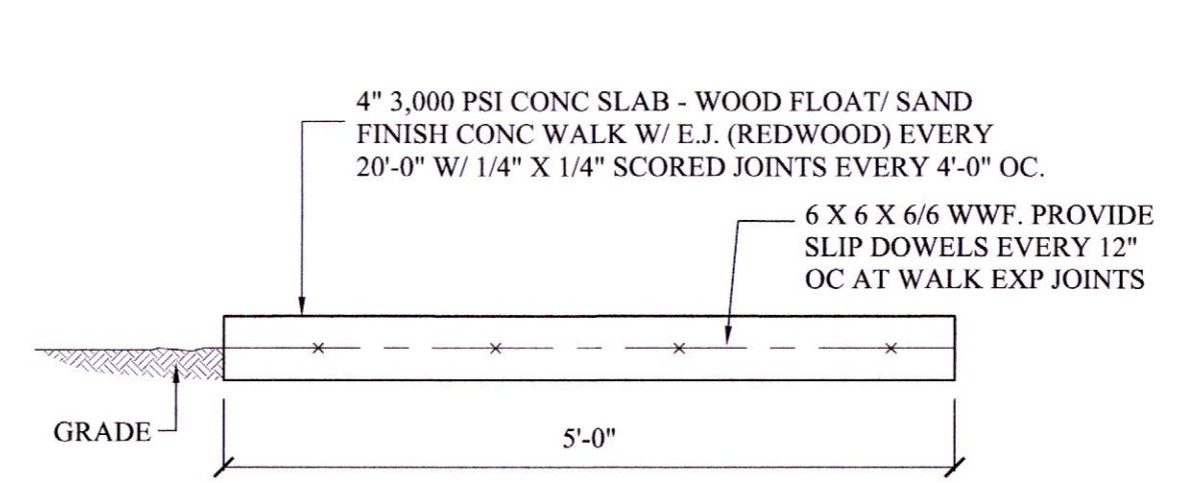
NOTE:
 1. FUEL TANK UL 142/ULC-5601, DOUBLE WALL, VENTED, SLOPED BOTTOM, SLOPED TOP, FACTORY PRESSURE TESTED- 2 PSI, RUPTURE BASIN ALARM, FUEL LEVEL, CHECK VALVE IN SUPPLY AND RETURN LINES, STAINLESS STEEL HARDWARE, RHINO COAT TEXTURED POLYESTER POWDER COAT PAINT



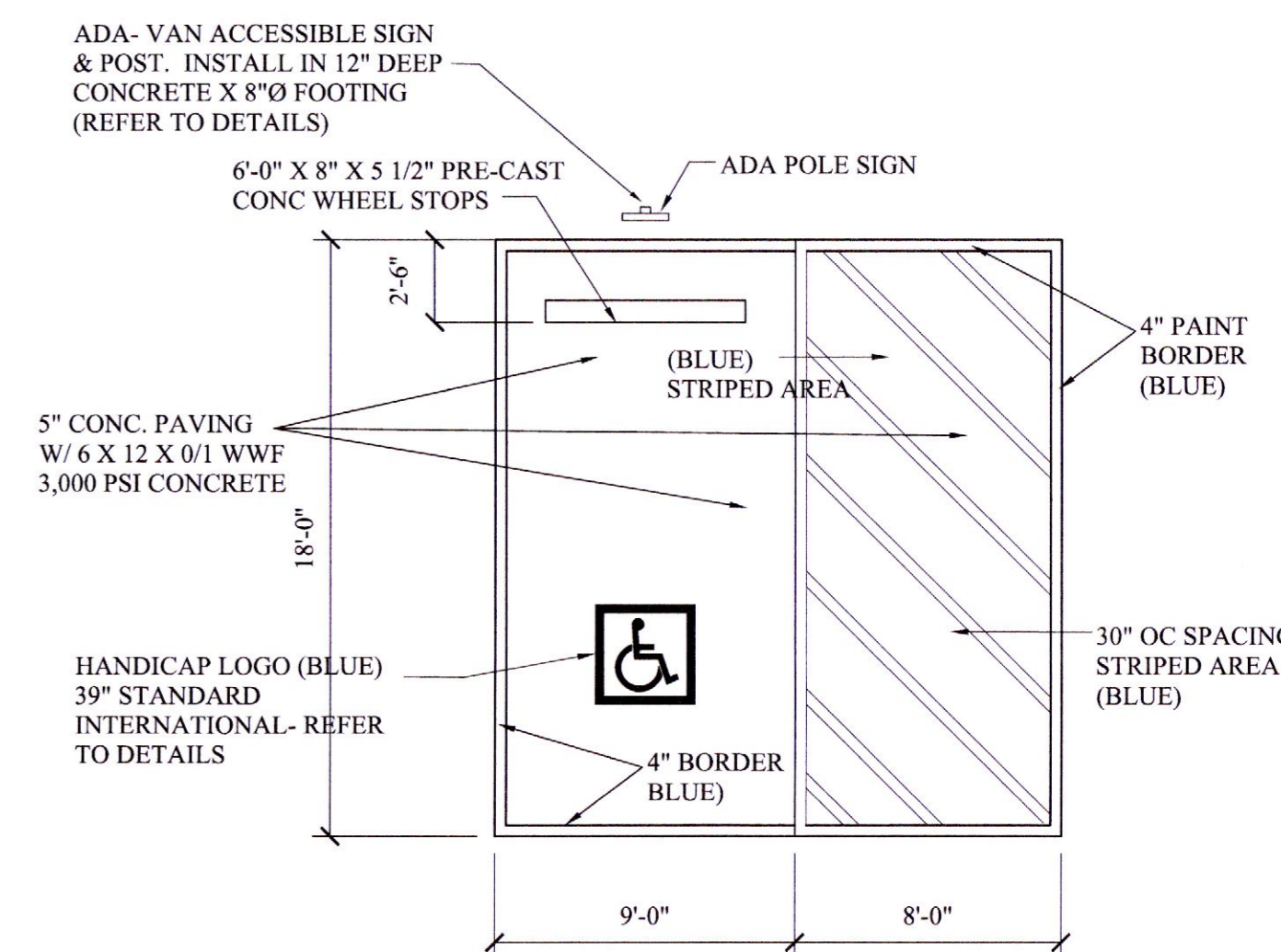
DETAIL- S-1
 NTS



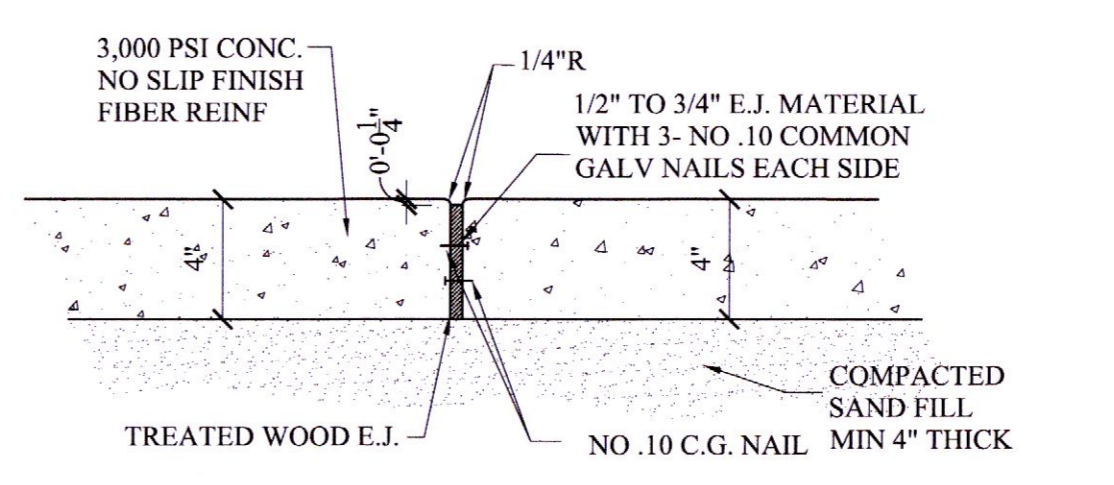
GENERATOR SLAB BY GENERAL CONTRACTOR
DETAIL- SP-1
 NTS



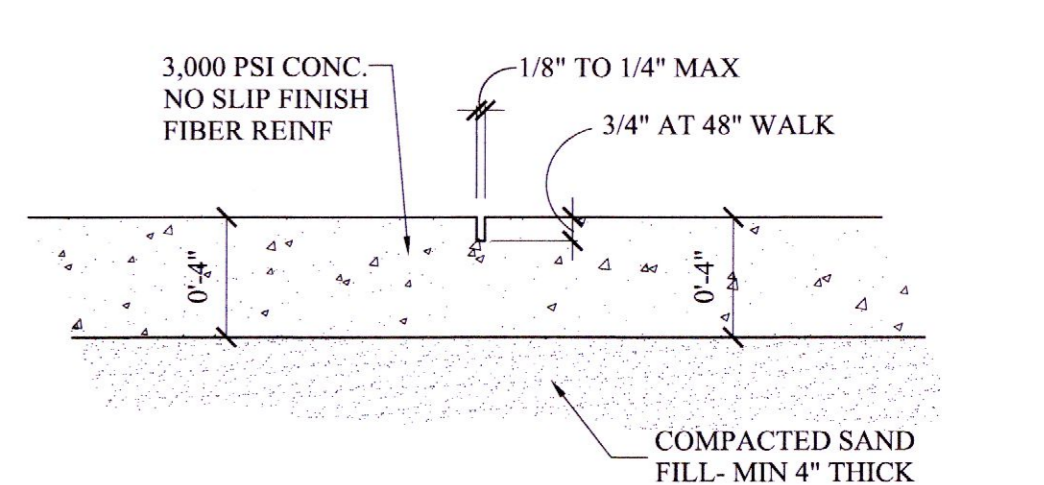
DETAIL- CONCRETE WALK S-3
 NTS



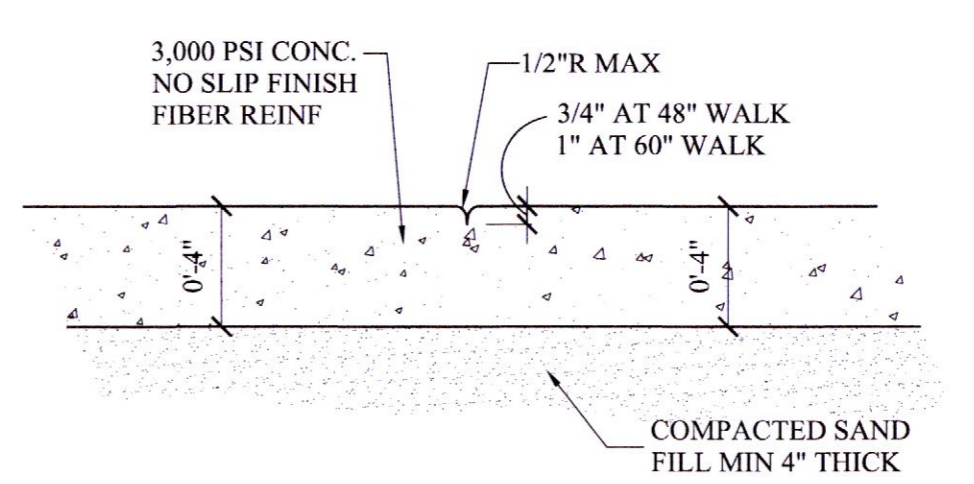
DETAIL- S-2
 NTS



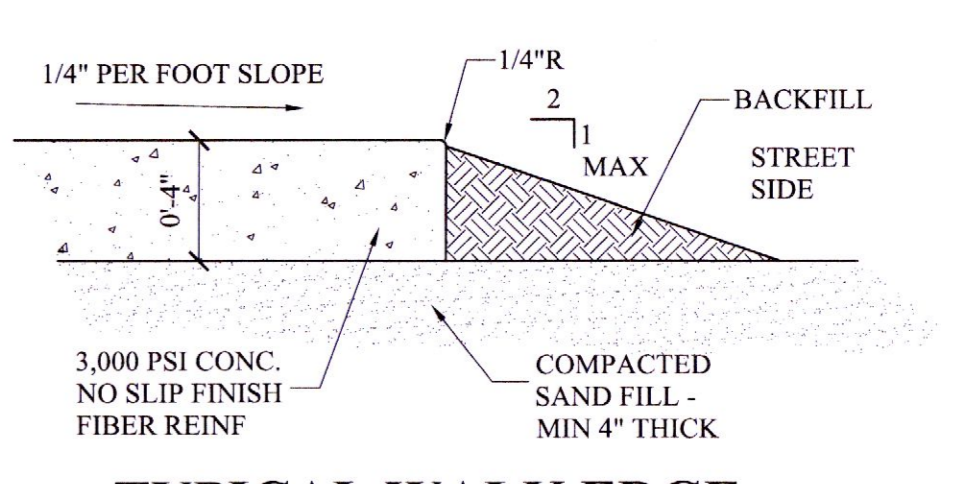
TYPICAL EXPANSION JOINT- SIDEWALK
 SPACING MAX 60'-0"



TYPICAL SAW CUT JOINT AT WALK



HAND TOOLED SIDEWALK JOINT



TYPICAL WALK EDGE

SITE PLAN- BASE BID

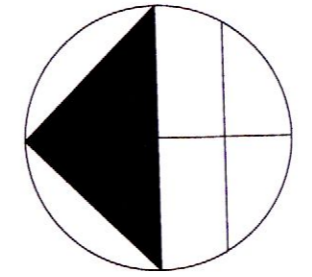
SCALE: 1" = 20'-0"

BASE BID: MAIN BUILDING AND 20'-0" CONCRETE PAVING FRONT AND REAR OF BUILDING WITH NO ROOF COVERING.

BID ALTERNATE NO. 1: DELETE 20'-0" CONC PAVING AND ADD 39'-8" ROOF EXTENSION AND RELATED FOUNDATION AT NORTH (FRONT) WITH 20'-0" CONC PAVING AT SOUTH (REAR) TO REMAIN.

BID ALTERNATE NO. 2: DELETE 20'-0" CONC PAVING AND ADD 40'-0" ROOF EXTENSION AND RELATED FOUNDATION AT REAR OF BUILDING

SP-1



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REVIEWED FOR STATE FIRE MARSHAL AS PER REVIEW LETTER BY WILLIAM D. JONES, ARCHITECT, CBO
William D. Jones

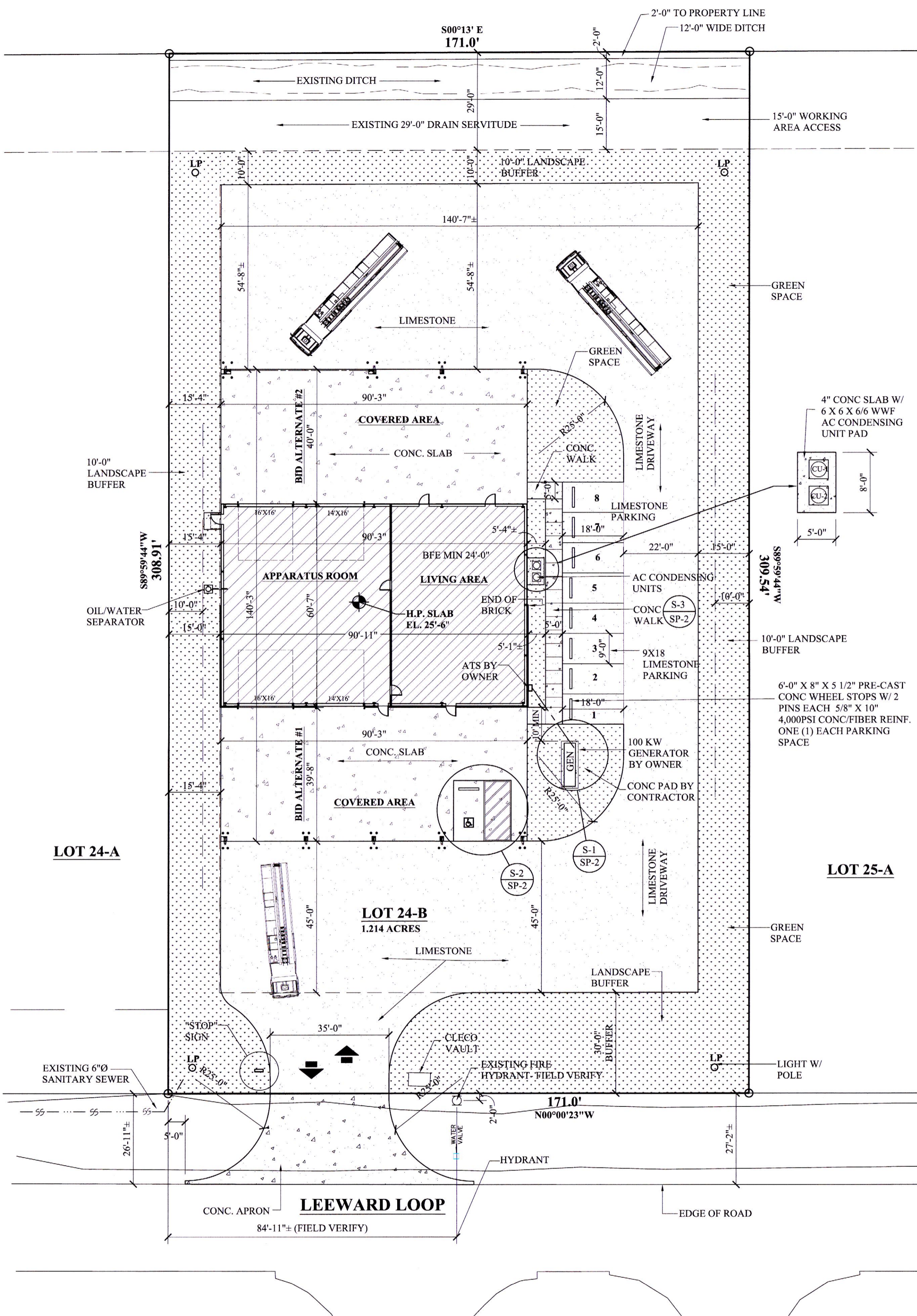
REVISIONS	BY



NEW FIRE FIRE STATION NO. 134 FOR ST. TAMMANY FIRE DISTRICT NO. 13
 425 LEEWARD LOOP ST. TAMMANY PARISH COVINGTON, LOUISIANA 70433

JOSEPH F. SCHNEIDER JR., AIA
 ARCHITECT
 LA #4206 MS #3020 TX #24294 FL #AR95908
 105 EVANGELINE DRIVE, SLIDELL, LOUISIANA 70460
 (985) 290-6648
 jfsarchitect@charter.net

DRAWN H. SCHNEIDER
 CHECKED J. SCHNEIDER
 DATE 03/20/2024
 SCALE AS NOTED
 JOB NO.
 SHEET **SP-1**
 OF SHEETS



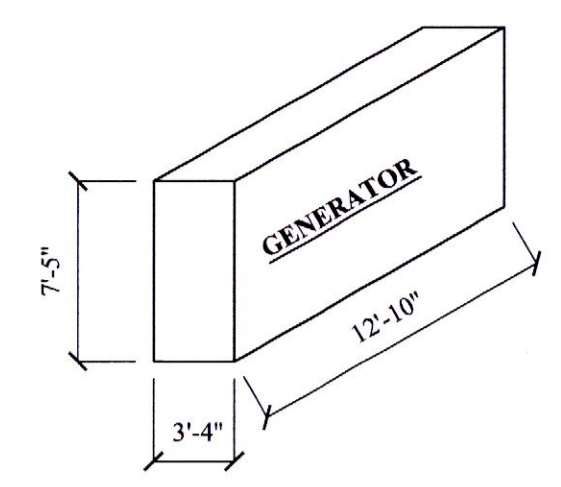
SITE PLAN- BID ALTERNATE #1 & ALTERNATE #2

SCALE: 1" = 20'-0"

BASE BID: MAIN BUILDING AND 20'-0" CONCRETE PAVING FRONT AND REAR OF BUILDING WITH NO ROOF COVERING.

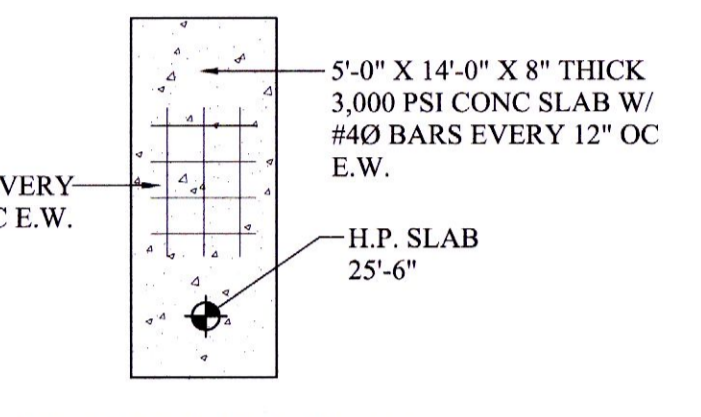
BID ALTERNATE NO. 1: DELETE 20'-0" CONC PAVING AND ADD 39'-8" ROOF EXTENSION AND RELATED FOUNDATION AT NORTH (FRONT) WITH 20'-0" CONC PAVING AT SOUTH (REAR) TO REMAIN.

BID ALTERNATE NO. 2: DELETE 20'-0" CONC PAVING AND ADD 40'-0" ROOF EXTENSION AND RELATED FOUNDATION AT REAR OF BUILDING

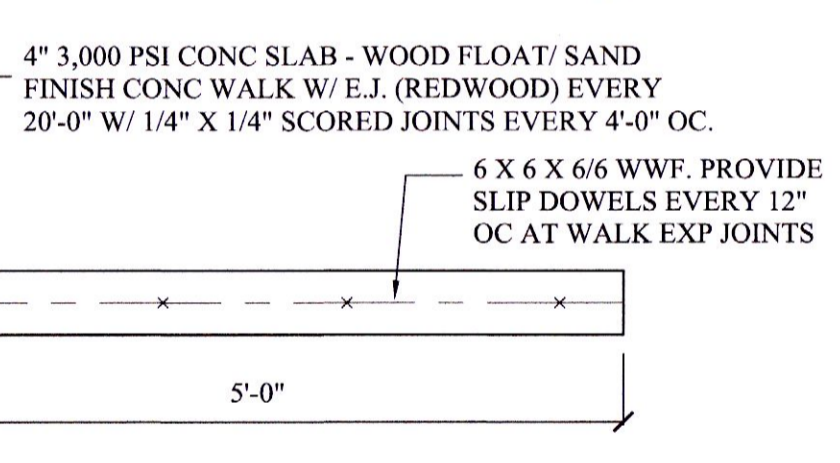


GENERAL CONTRACTOR SHALL PROVIDE AND INSTALL CONCRETE PAD, CONDUIT, AND DISCONNECT SWITCH FOR OWNER FURNISHED AND INSTALL 100 KW DIESEL GENERAC GENERATOR AND TRANSFER SWITCH. CONTRACTOR SHALL COORDINATE WITH OWNER LOCATION OF CONDUIT TO GENERATOR.

NOTE:
 1. FUEL TANK UL 142/ULC- 5601, DOUBLE WALL, VENTED, SLOPED BOTTOM, SLOPED TOP, FACTORY PRESSURE TESTED- 2 PSI, RUPTURE BASIN ALARM, FUEL LEVEL, CHECK VALVE IN SUPPLY AND RETURN LINES, STAINLESS STEEL HARDWARE, RHINO COAT TEXTURED POLYESTER POWDER COAT PAINT

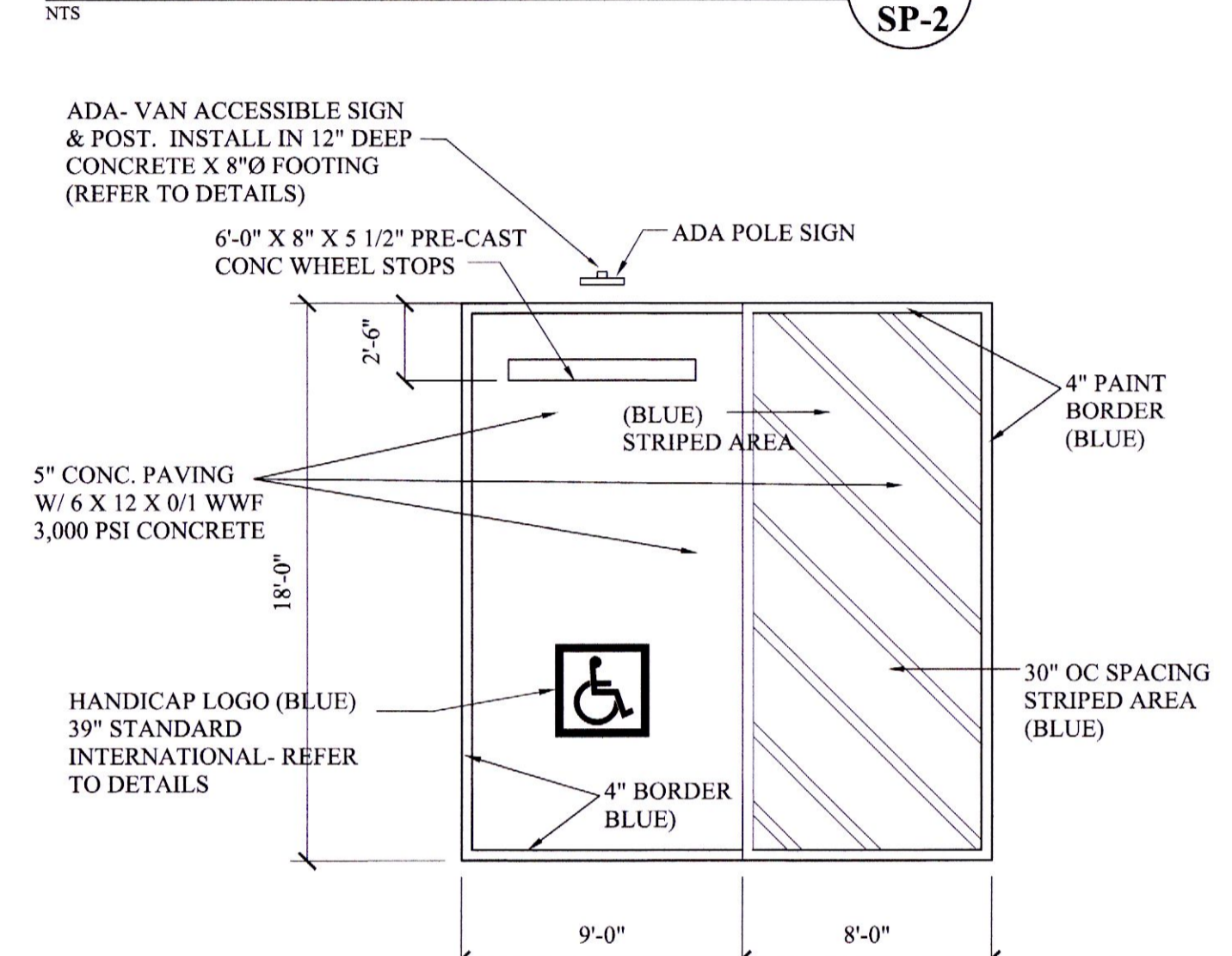


DETAIL-
 NTS
 SP-2



DETAIL-
 NTS
 S-3
 SP-2

DETAIL-



DETAIL-
 NTS
 S-2
 SP-2

SOIL TREATMENT

- QUALITY ASSURANCE**
 - A. APPLICATOR SHALL BE EXPERIENCED IN THIS FIELD AND BE LICENSED, REGISTERED AND BONDED PER STATE OF LOUISIANA REQUIREMENTS AND MEET THE APPROVAL OF THE ARCHITECT PRIOR TO COMMENCING WORK.
- GUARANTEE**
 - A. UPON COMPLETION OF SOIL TREATMENT AND AS CONDITION OF FINAL ACCEPTANCE, FURNISH THE OWNER A WRITTEN ONE (1) YEAR BONDED GUARANTEE.
 - B. GUARANTEE SHALL STATE THAT THE APPLICATION WAS MADE AT THE CONCENTRATION RATES AND METHODS TO COMPLY WITH THESE SPECIFICATIONS.
 - C. THE EFFECTIVENESS OF THE GUARANTEE FOR NOT LESS THAN ONE (1) YEAR WITHOUT COST TO THE OWNER AND AT THE END OF SAID PERIOD, THE OWNER SHALL BE OFFERED A RENEWABLE CONTRACT ON A YEARLY BASIS AT THE OWNER'S OPTION AND ON AN AGREED UPON ANNUAL FEE.
 - D. RE-TREATMENT UPON EVIDENCE OF SUBTERRANEAN TERMITES ACTIVITY SHALL BE AT NO COST TO THE OWNER AND IN ACCORDANCE WITH ACCEPTABLE TRADE PRACTICES.
 - E. DAMAGE TO THE BUILDING CAUSED BY TERMITES SHALL BE CORRECTED WITHOUT COST TO THE OWNER AND IN ACCORDANCE WITH ACCEPTABLE TRADE PRACTICES.
 - F. THE GUARANTEE IS NOT CANCELABLE BY ANY PARTY OF THE CONTRACT, EXCEPT THE OWNER.
 - G. DRAW THE GUARANTEE IN FAVOR OF THE OWNER AND SUBMIT A SAMPLE FORM TO THE ARCHITECT FOR APPROVAL BEFORE BEGINNING WORK.
- TIME OF APPLICATION**
 - A. DO NOT BEGIN TREATMENT UNTIL ALL PREPARATIONS FOR SLAB PLACEMENT HAVE BEEN COMPLETED.
 - B. TREATMENT SHALL BE COMPLETED PRIOR TO THE PLACEMENT OF VAPOR BARRIER AND REINFORCING STEEL AND MESH.
 - C. DO NOT APPLY TREATMENT WHEN SURFACE WATER IS PRESENT ON SURFACES TO RECEIVE TREATMENT.
- LOCATION**
 - A. APPLY SOIL TREATMENT TO ALL AREAS BENEATH CONCRETE FLOOR SLABS ON GRADE OR FILL, AND ALONG THE INTERIOR SIDE OF ALL FOUNDATION WALLS AND GRADE BEAMS.
 - B. WHERE THE EXTERIOR WALL OF THE FOUNDATION IS ABUTTED BY OTHER CONCRETE SLABS OR SURFACES, TREAT THE EXTERIOR SIDE OF THE FOUNDATION WALLS AND GRADE BEAMS AS SPECIFIED FOR INTERIOR SIDE OF SUCH WALLS.
- RATE OF APPLICATION**
 - A. APPLY SOLUTIONS AS REGULATED BY THE ENVIRONMENTAL PROTECTION AGENCY AND ANY AND ALL REGULATORY AGENCIES.
- RE-TREATMENT**
 - A. ALL CHEMICALS USED IN ANY RE-TREATMENT MUST BE PREVIOUSLY CERTIFIED AS TO TYPE OF CHEMICAL AND RATE ON CONCENTRATION.

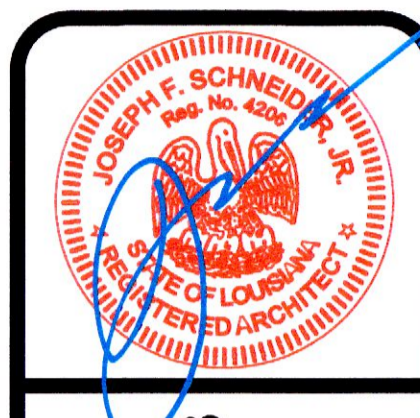
NOTE #1:
 OWNER SHALL PROVIDE AND INSTALL ALL LANDSCAPING, CONSISTING OF TREES, SCRUBS, SEEDING AND SOD CONSISTENT WITH ST. TAMMANY PARISH REQUIREMENTS. GENERAL CONTRACTOR RESPONSIBLE FOR FINE GRADING OF THE ENTIRE SITE AFTER COMPETITION OF THE PROJECT. FINE GRADING SHALL BE COMPLETED AFTER INSTALLATION OF OWNER PROVIDE WORK ITEMS AND PRIOR TO INSTALLATION OF ALL OWNER PROVIDED AND INSTALLED LANDSCAPING.

PRIOR TO ANY EXCAVATION WORK BEING PERFORMED OR FOUNDATION WORK, THE CONTRACTOR AND OR THEIR SUBCONTRACTOR SHALL NOTIFY LOUISIANA ONE-CALL AT 1-800-272-3020 FOR LOCATION OF ALL SUB-SURFACE UTILITIES. ALL NOTIFICATION SHALL COMPLY WITH THE LOUISIANA UNDERGROUND UTILITIES AND FACILITIES DAMAGE PREVENTION LAW.

REVIEWED FOR STATE FIRE MARSHAL AS PER REVIEW LETTER BY WILLIAM D. JONES, ARCHITECT, CBO
William D. Jones

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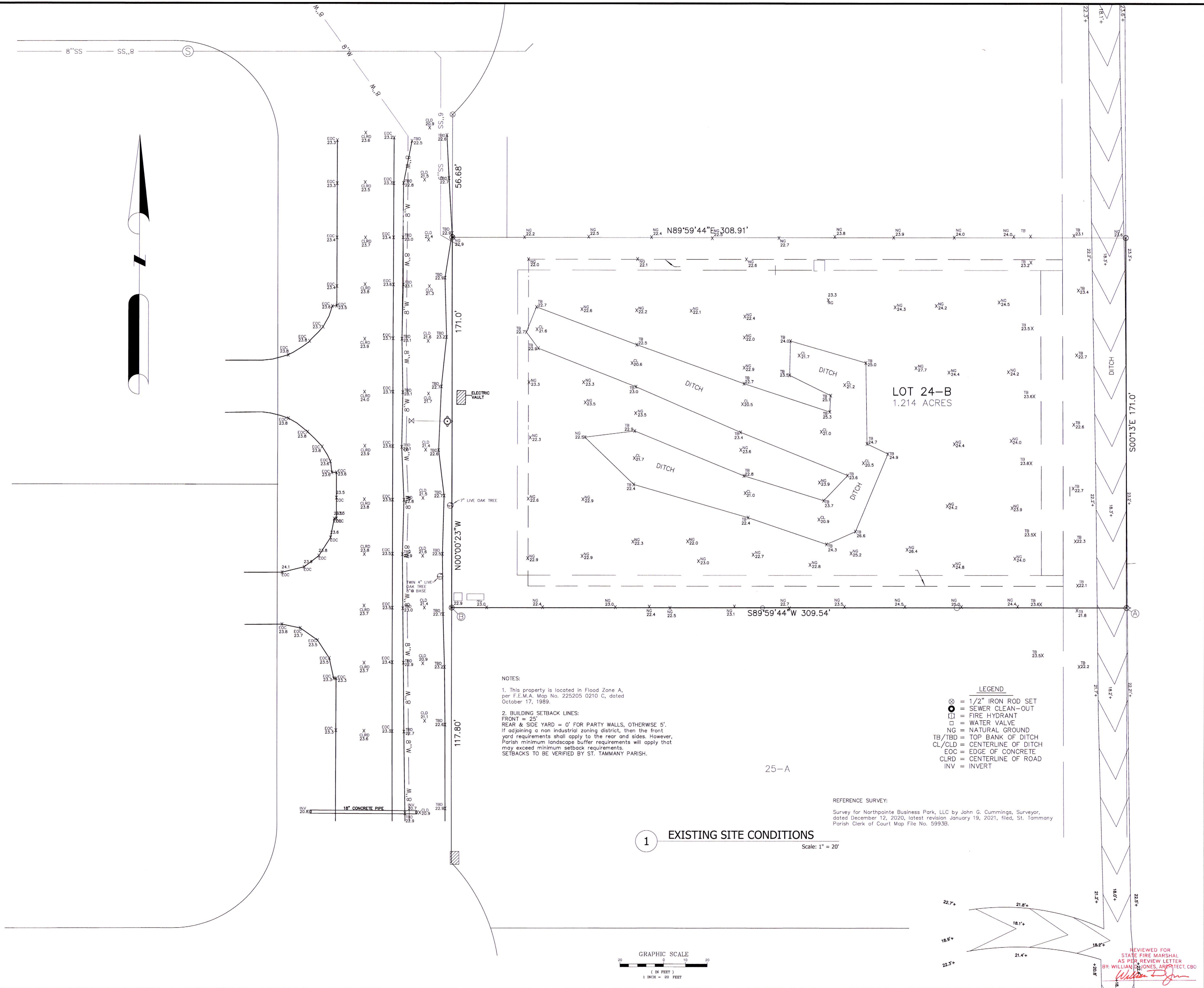
REVISIONS	BY



NEW FIRE FIRE STATION NO. 134 FOR ST. TAMMANY FIRE DISTRICT NO. 13
 425 LEEWARD LOOP ST. TAMMANY PARISH COVINGTON, LOUISIANA 70433

JOSEPH F. SCHNEIDER JR., AIA
 ARCHITECT
 LA #4206 MS #3020 TX #24294 FL #AR95908
 105 EVANGELINE DRIVE, SLIDEL, LOUISIANA 70460
 (985) 290-6648
 jfsarchitect@chartr.net

DRAWN H. SCHNEIDER
CHECKED J. SCHNEIDER
DATE 03/20/2024
SCALE AS NOTED
JOB NO.
SHEET SP-2
OF SHEETS



NOTES:

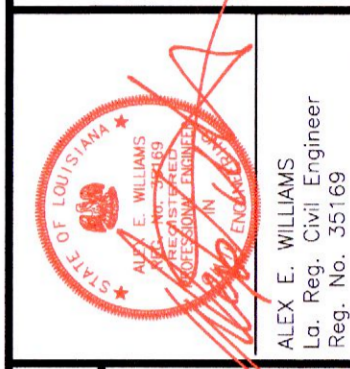
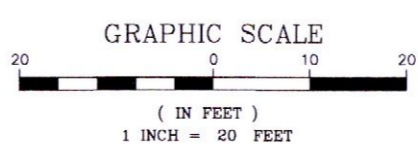
- This property is located in Flood Zone A, per F.E.M.A. Map No. 225205 0210 C, dated October 17, 1989.
- BUILDING SETBACK LINES:
 FRONT = 25'
 REAR & SIDE YARD = 0' FOR PARTY WALLS, OTHERWISE 5'.
 If adjoining a non industrial zoning district, then the front yard requirements shall apply to the rear and sides. However, Parish minimum landscape buffer requirements will apply that may exceed minimum setback requirements.
 SETBACKS TO BE VERIFIED BY ST. TAMMANY PARISH.

LEGEND

- ⊗ = 1/2" IRON ROD SET
- ⊙ = SEWER CLEAN-OUT
- ⊕ = FIRE HYDRANT
- ⊖ = WATER VALVE
- NG = NATURAL GROUND
- TB/TBD = TOP BANK OF DITCH
- CL/CLD = CENTERLINE OF DITCH
- ELC = EDGE OF CONCRETE
- INV = INVERT

REFERENCE SURVEY:
 Survey for Northpointe Business Park, LLC by John G. Cummings, Surveyor, dated December 12, 2020, latest revision January 19, 2021, filed, St. Tammany Parish Clerk of Court Map File No. 5993B.

1 EXISTING SITE CONDITIONS
 Scale: 1" = 20'



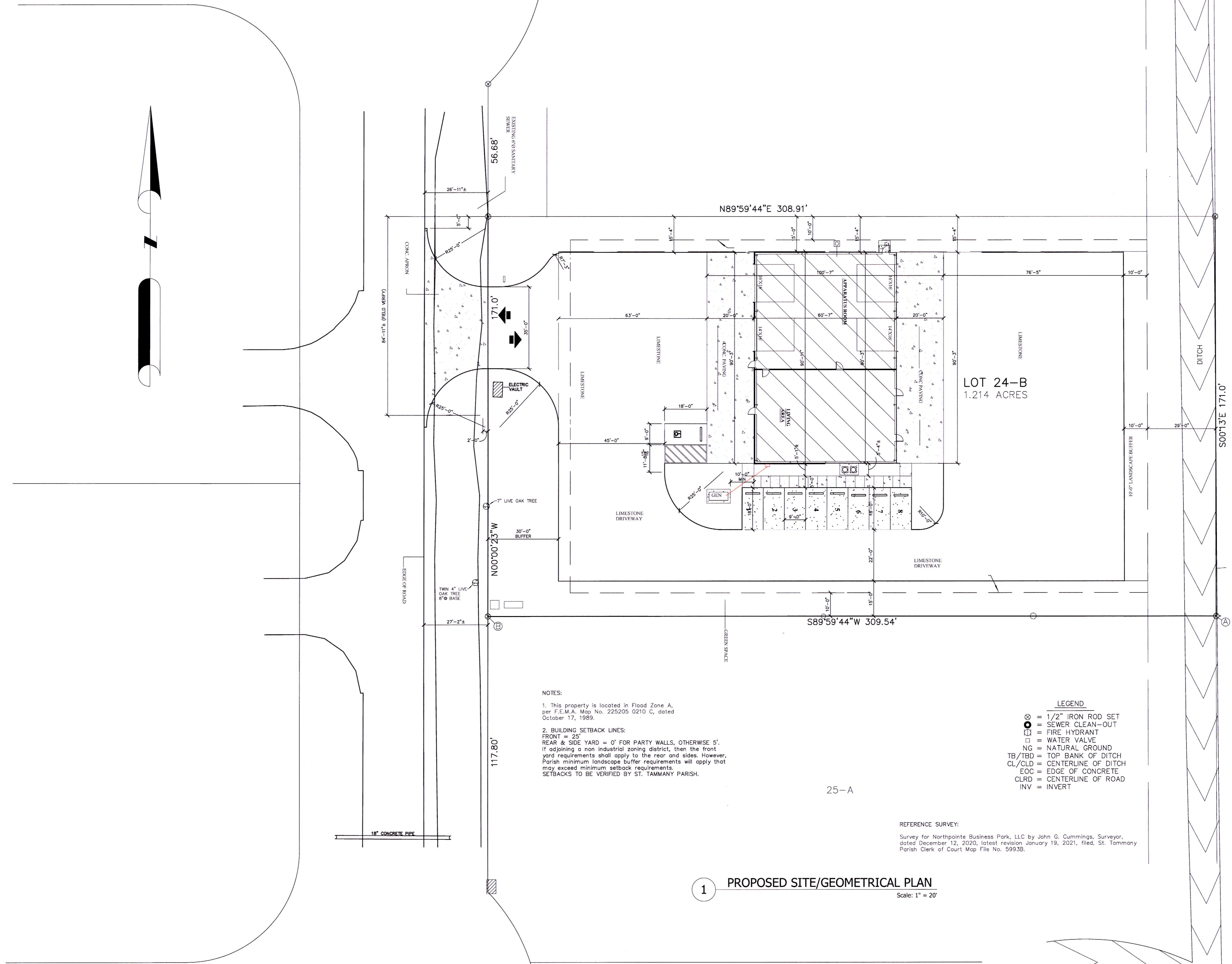
CLIENT: ST. TAMMANY PARISH FIRE DISTRICT 13
 PROJECT DESCRIPTION: PAVING & DRAINAGE PLAN FOR LOT 24-B, NORTH-POINTE BUSINESS PARK, PHASE 2, ST. TAMMANY PARISH, LOUISIANA

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REVISION NO:

JOB NO: 14-352
 DATE: 11/15/2023
 DRAWN BY:
 SCALE: 1" = 20'
 COMPUTER FILE:

REVIEWED FOR STATE FIRE MARSHAL AS PER REVIEW LETTER BY WILLIAM JONES, ARCHITECT, CBO



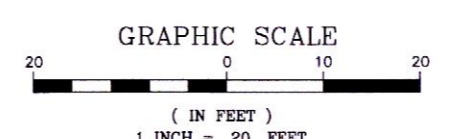
NOTES:

- This property is located in Flood Zone A, per F.E.M.A. Map No. 225205 0210 C, dated October 17, 1989.
- BUILDING SETBACK LINES:
FRONT = 25'
REAR & SIDE YARD = 0' FOR PARTY WALLS, OTHERWISE 5'.
If adjoining a non industrial zoning district, then the front yard requirements shall apply to the rear and sides. However, Parish minimum landscape buffer requirements will apply that may exceed minimum setback requirements.
SETBACKS TO BE VERIFIED BY ST. TAMMANY PARISH.

- LEGEND**
- ⊗ = 1/2" IRON ROD SET
 - ⊙ = SEWER CLEAN-OUT
 - ⊠ = FIRE HYDRANT
 - = WATER VALVE
 - NG = NATURAL GROUND
 - TB/TBD = TOP BANK OF DITCH
 - CL/CLD = CENTERLINE OF DITCH
 - EOC = EDGE OF CONCRETE
 - CLR = CENTERLINE OF ROAD
 - INV = INVERT

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Survey for Northpointe Business Park, LLC by John G. Cummings, Surveyor, dated December 12, 2020, latest revision January 19, 2021, filed, St. Tammany Parish Clerk of Court Map File No. 5993B.

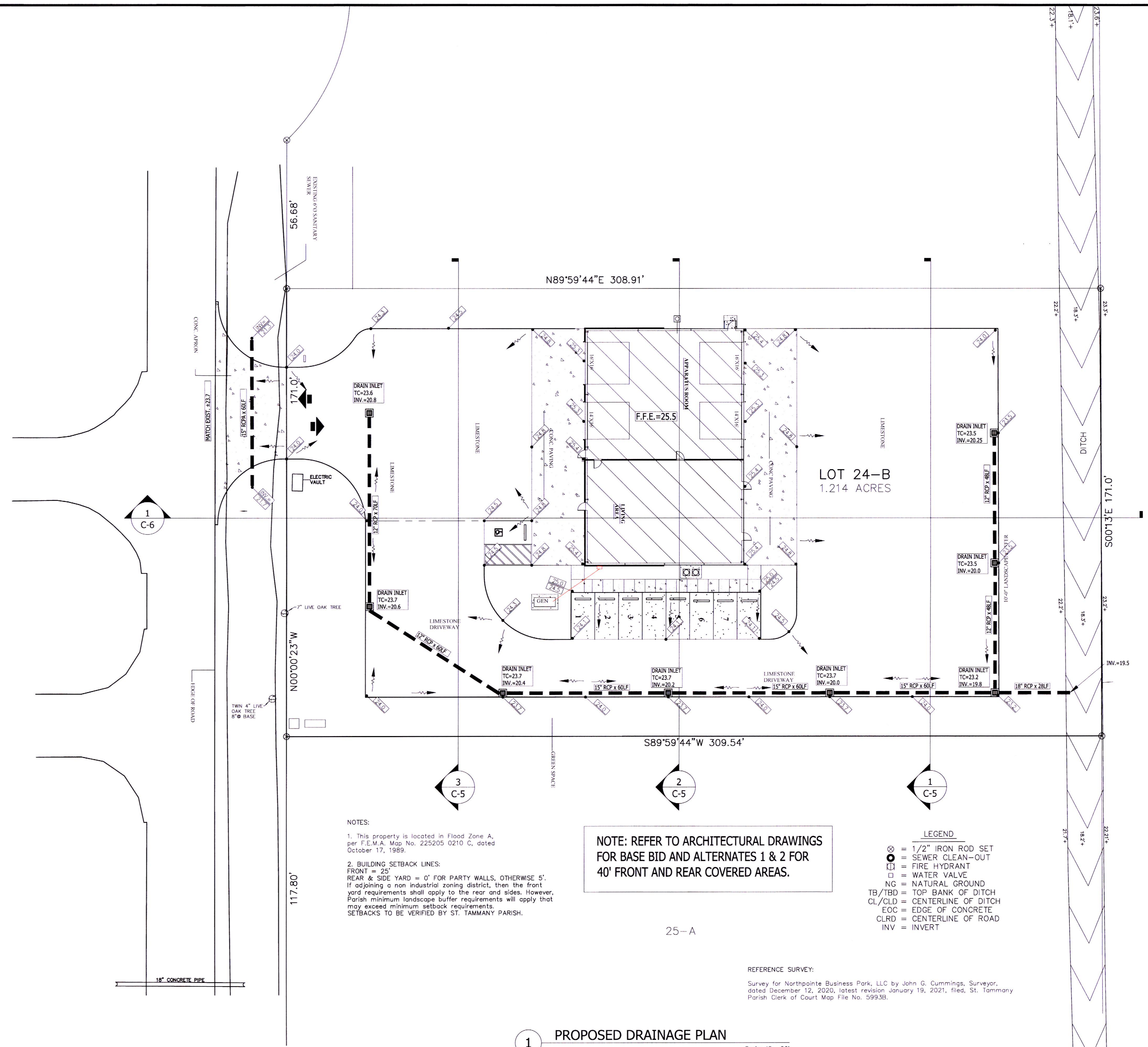
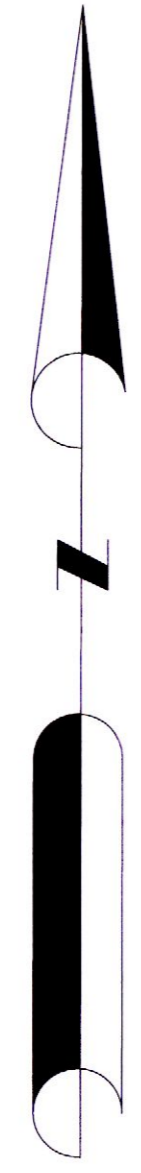


REVIEWED FOR
STATE FIRE MARSHAL
AS PER REVIEW LETTER
BY WILLIAM D. JONES, ARCHITECT, CBO
William D. Jones

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REVISION NO:

JOB NO: 14-352
DATE: 11/15/2023
DRAWN BY:
SCALE: 1" = 20'
COMPUTER FILE:



NOTES:

- This property is located in Flood Zone A, per F.E.M.A. Map No. 225205 0210 C, dated October 17, 1989.
- BUILDING SETBACK LINES:**
 FRONT = 25'
 REAR & SIDE YARD = 0' FOR PARTY WALLS, OTHERWISE 5'.
 If adjoining a non industrial zoning district, then the front yard requirements shall apply to the rear and sides. However, Parish minimum landscape buffer requirements will apply that may exceed minimum setback requirements.
 SETBACKS TO BE VERIFIED BY ST. TAMMANY PARISH.

NOTE: REFER TO ARCHITECTURAL DRAWINGS FOR BASE BID AND ALTERNATES 1 & 2 FOR 40' FRONT AND REAR COVERED AREAS.

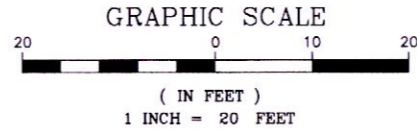
- LEGEND**
- ⊙ = 1/2" IRON ROD SET
 - ⊠ = SEWER CLEAN-OUT
 - ⊞ = FIRE HYDRANT
 - ⊞ = WATER VALVE
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 - TB/CBD = TOP BANK OF DITCH
 - CL/CLD = CENTERLINE OF DITCH
 - ECC = EDGE OF CONCRETE
 - CLRD = CENTERLINE OF ROAD
 - INV = INVERT

REFERENCE SURVEY:

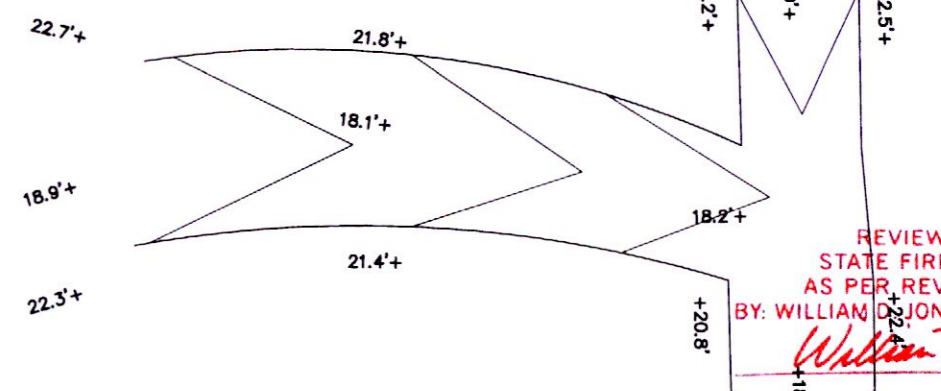
Survey for Northpointe Business Park, LLC by John G. Cummings, Surveyor, dated December 12, 2020, latest revision January 19, 2021, filed, St. Tammany Parish Clerk of Court Map File No. 5993B.

1 PROPOSED DRAINAGE PLAN
Scale: 1" = 20'

2 FFE & SITE GRADES



Name	Cut Factor	Fill Factor	2d Area	Cut	Fill	Net
Total Cut-Fill Volume	1.000	1.000	35103.34 Sq. Ft.	247.22 Cu. Yd.	1759.49 Cu. Yd.	1512.27 Cu. Yd.<Fill>
Fill Above 24' BFE	0.000	1.000	35103.34 Sq. Ft.	0.00 Cu. Yd.	703.16 Cu. Yd.	703.16 Cu. Yd.<Fill>
Total Fill below 24'BFE						809.11 Cu. Yd.<Fill>



REVIEWED FOR STATE FIRE MARSHAL AS PER REVIEW LETTER BY WILLIAM JONES, ARCHITECT, CBO
William Jones



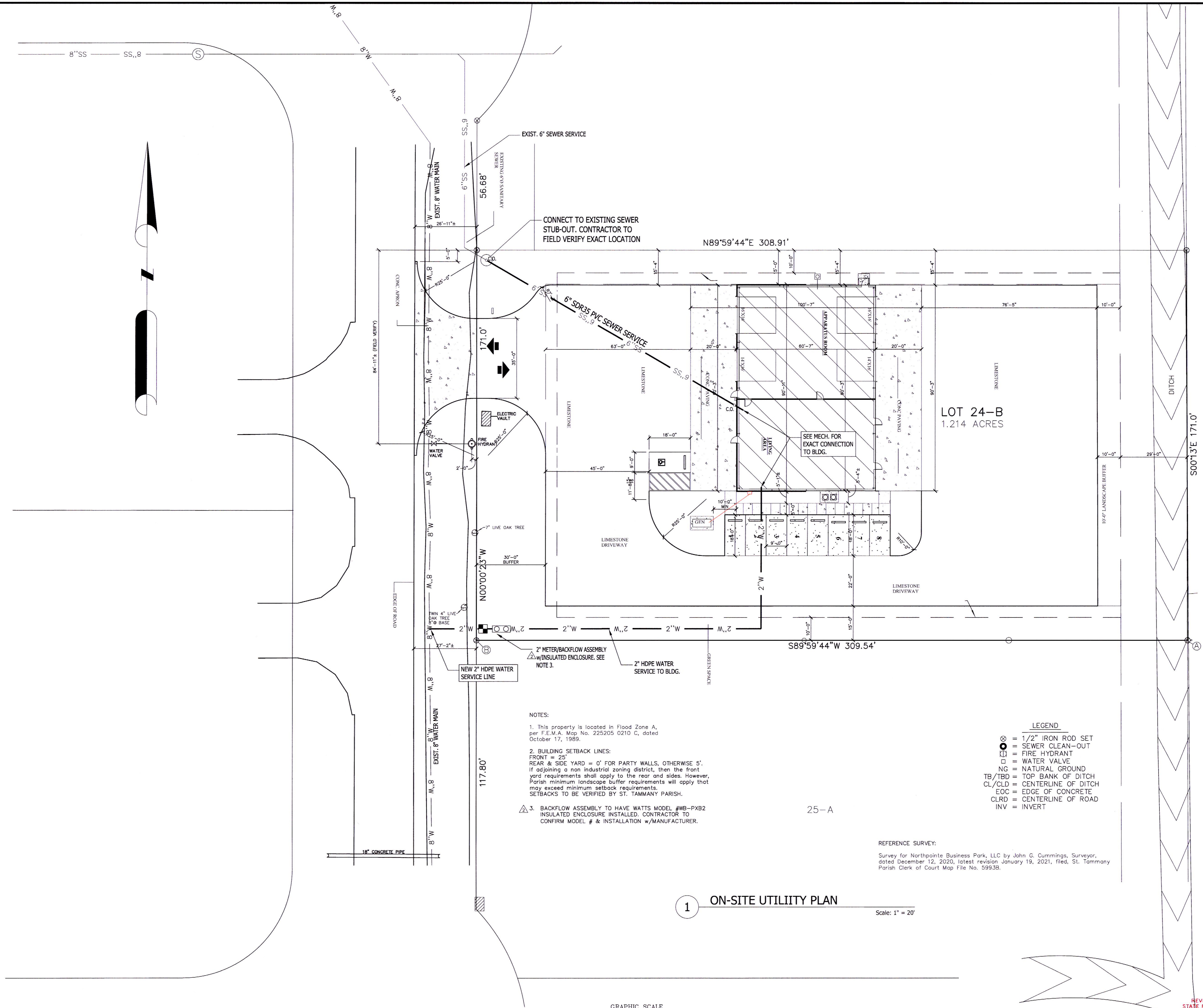
CLIENT: ST. TAMMANY PARISH FIRE DISTRICT 13
 PROJECT DESCRIPTION: PAVING & DRAINAGE PLAN FOR LOT 24-B, NORTHPOINTE BUSINESS PARK, PHASE 2, ST. TAMMANY PARISH, LOUISIANA

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REVISION NO:

1	02/22/2024
2	03/08/2024

JOB NO: 14-352
DATE: 11/15/2023
DRAWN BY:
SCALE: 1" = 20'
COMPUTER FILE:

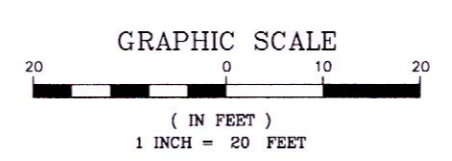


- NOTES:
- This property is located in Flood Zone A, per F.E.M.A. Map No. 225205 0210 C, dated October 17, 1989.
 - BUILDING SETBACK LINES:
FRONT = 25'
REAR & SIDE YARD = 0' FOR PARTY WALLS, OTHERWISE 5'.
If adjoining a non industrial zoning district, then the front yard requirements shall apply to the rear and sides. However, Parish minimum landscape buffer requirements will apply that may exceed minimum setback requirements. SETBACKS TO BE VERIFIED BY ST. TAMMANY PARISH.
 - BACKFLOW ASSEMBLY TO HAVE WATTS MODEL #WB-PXB2 INSULATED ENCLOSURE INSTALLED. CONTRACTOR TO CONFIRM MODEL # & INSTALLATION w/MANUFACTURER.

- LEGEND
- ⊗ = 1/2" IRON ROD SET
 - ⊕ = SEWER CLEAN-OUT
 - ⊙ = FIRE HYDRANT
 - ⊠ = WATER VALVE
 - NG = NATURAL GROUND
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REFERENCE SURVEY:
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1 ON-SITE UTILITY PLAN
Scale: 1" = 20'



REVIEWED FOR STATE FIRE MARSHAL AS PER REVIEW LETTER BY WILLIAM D. JONES, ARCHITECT, CBO
William D. Jones

DEEP SOUTH DESIGN GROUP
Civil/Environmental Engineering Firm
P.O. Box 1122 | Madisonville, LA, 70447
Ph: 985-705-4696

ALEX E. WILLIAMS
Professional Engineer
Reg. No. 35183

CLIENT: ST. TAMMANY PARISH FIRE DISTRICT 13
PROJECT DESCRIPTION: PAVING & DRAINAGE PLAN FOR LOT 24-B, NORTHPOINTE BUSINESS PARK, PHASE 2, ST. TAMMANY PARISH, LOUISIANA

REVISION NO:

▲	02/06/2024
▲	03/08/2024
▲	
▲	
▲	

JOB NO: 14-352
DATE: 11/15/2023
DRAWN BY:
SCALE: 1" = 20'
COMPUTER FILE:

SHEET

C-5

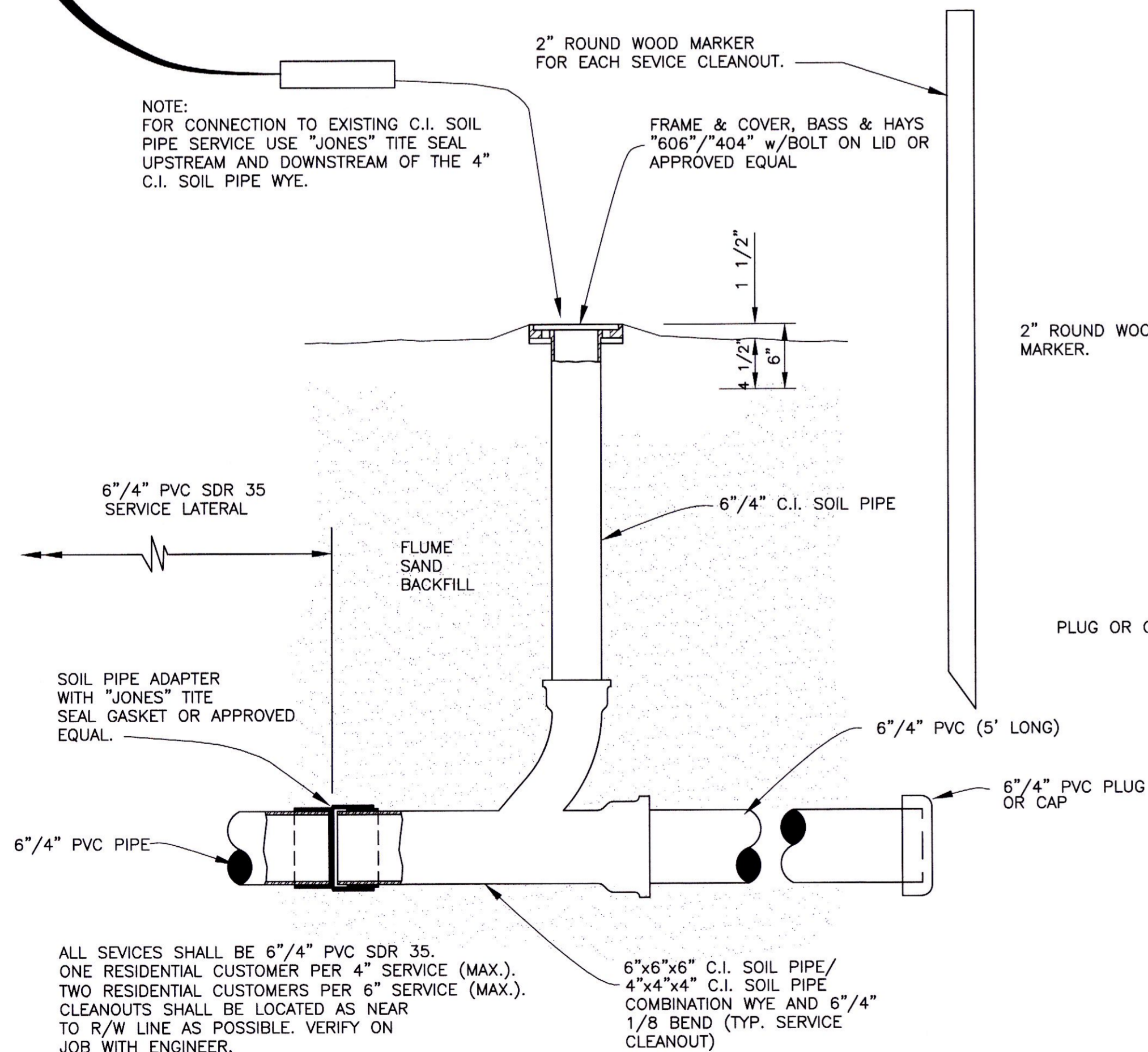
NOTES:

ALL SERVICES SHALL BE PVC. SDR 35 IN CONFORMANCE WITH RELATED TECHNICAL SPECIFICATIONS.
 ALL RESIDENTIAL SERVICES SHALL BE 4" I.D. NO MORE THAN ONE (1) RESIDENTIAL CUSTOMER SHALL BE CONNECTED TO ONE (1) FOUR (4") SERVICE LINE.
 TWO (2) RESIDENTIAL CUSTOMERS (MAXIMUM) MAY BE CONNECTED TO A SINGLE SIX (6") INCH SERVICE LINE. MAXIMUM LENGTH OF SERVICE LINES (4" OR 6") SHALL BE 150 FT. WITH NO DEFLECTIONS EITHER HORIZONTALLY OR VERTICALLY WITH THE EXCEPTION AS SHOWN ON "TYPE B" SERVICE CONNECTION OF THE "TYPICAL SERVICE CONNECTION AND SERVICE LATERAL DETAILS" BELOW.
 SOME COMMERCIAL CUSTOMERS MAY REQUIRE THE USE OF A SINGLE SIX (6") OR EIGHT (8") SERVICE LINE. IF SUCH APPLICATIONS ARE INDICATED ON THE DRAWINGS, CONSULT WITH ENGINEER PRIOR TO INSTALLATION.
 REFER TO STANDARD SANITARY SEWER TECHNICAL SPECIFICATIONS FOR MINIMUM SLOPES FOR SERVICE LINES AND MAINS FOUR (4") THROUGH EIGHT (8").

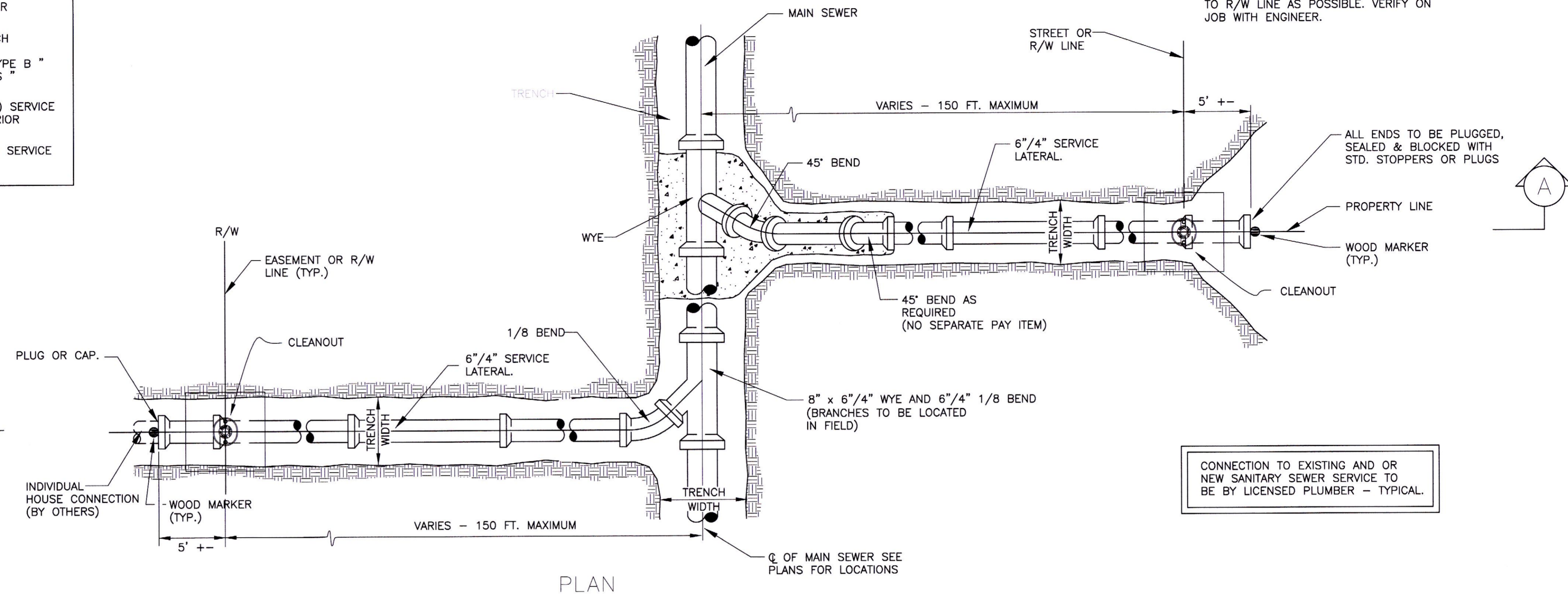
ALL SERVICES SHALL BE 6"/4" PVC SDR 35.
 ONE RESIDENTIAL CUSTOMER PER 4" SERVICE (MAX.).
 TWO RESIDENTIAL CUSTOMERS PER 6" SERVICE (MAX.).
 CLEANOUTS SHALL BE LOCATED AS NEAR TO R/W LINE AS POSSIBLE. VERIFY ON JOB WITH ENGINEER.

CONCRETE PAD, 4" C.I. SOIL PIPE COMBINATION WYE AND 1/8 BEND, 6"/4" C.I. SOIL PIPE RISER, BRASS CLEANOUT FRAME AND COVER AND C.I. TO PVC. ADAPTER TO BE INSTALLED ONLY AT THE DIRECTION OF THE ENGINEER. OTHERWISE ENTIRE ASSEMBLY SHALL BE 6"/4" PVC SDR 35 INCLUDING CLEANOUT CAP. FINISHED GRADE OF CLEANOUT CAP TO BE + 1 1/2" ABOVE FINISHED GRADE.

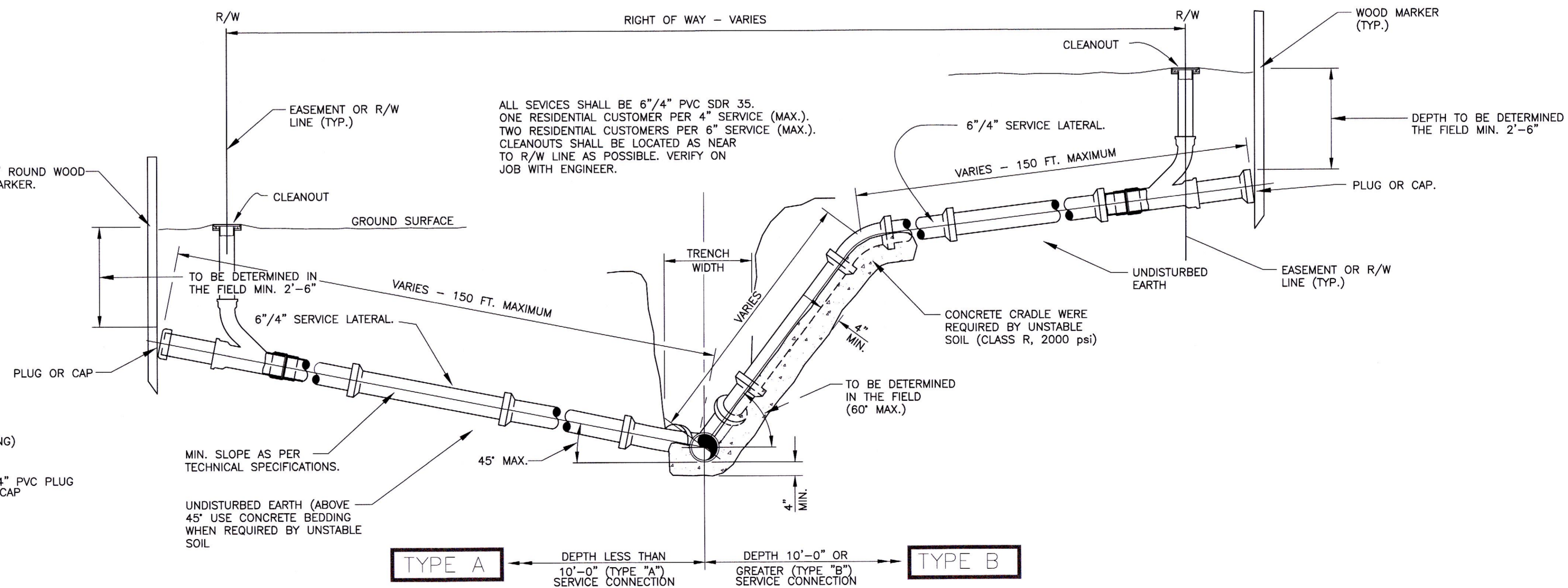
NOTE:
 FOR CONNECTION TO EXISTING C.I. SOIL PIPE SERVICE USE "JONES" TITE SEAL UPSTREAM AND DOWNSTREAM OF THE 4" C.I. SOIL PIPE WYE.



TYPICAL SERVICE CONNECTION AND CLEANOUT
 NOT TO SCALE



PLAN



SECTION A

NOTE:
 USE OF CONCRETE BEDDING TO BE DETERMINED BY ENGINEER FROM FIELD CONDITIONS.

TYPICAL SERVICE CONNECTION AND SERVICE LATERAL DETAILS
 NOT TO SCALE

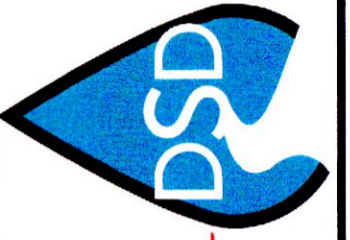


J & L RANGE, LLC
 PROJECT DESCRIPTION:
PROPOSED DRAINAGE PLAN FOR LOT 1A-1, PHASE 2A, ALPHA INDUSTRIAL PARK SUBDIVISION, ST. TAMMANY PARISH, LA.

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REVISION NO:	
JOB NO:	14-337
DATE:	11/15/2023
DRAWN BY:	
SCALE:	1" = 20'
COMPUTER FILE:	

REVIEWED FOR STATE FIRE MARSHAL AS PER REVIEW LETTER BY WILLIAM D. JONES, ARCHITECT, CBO
William D. Jones



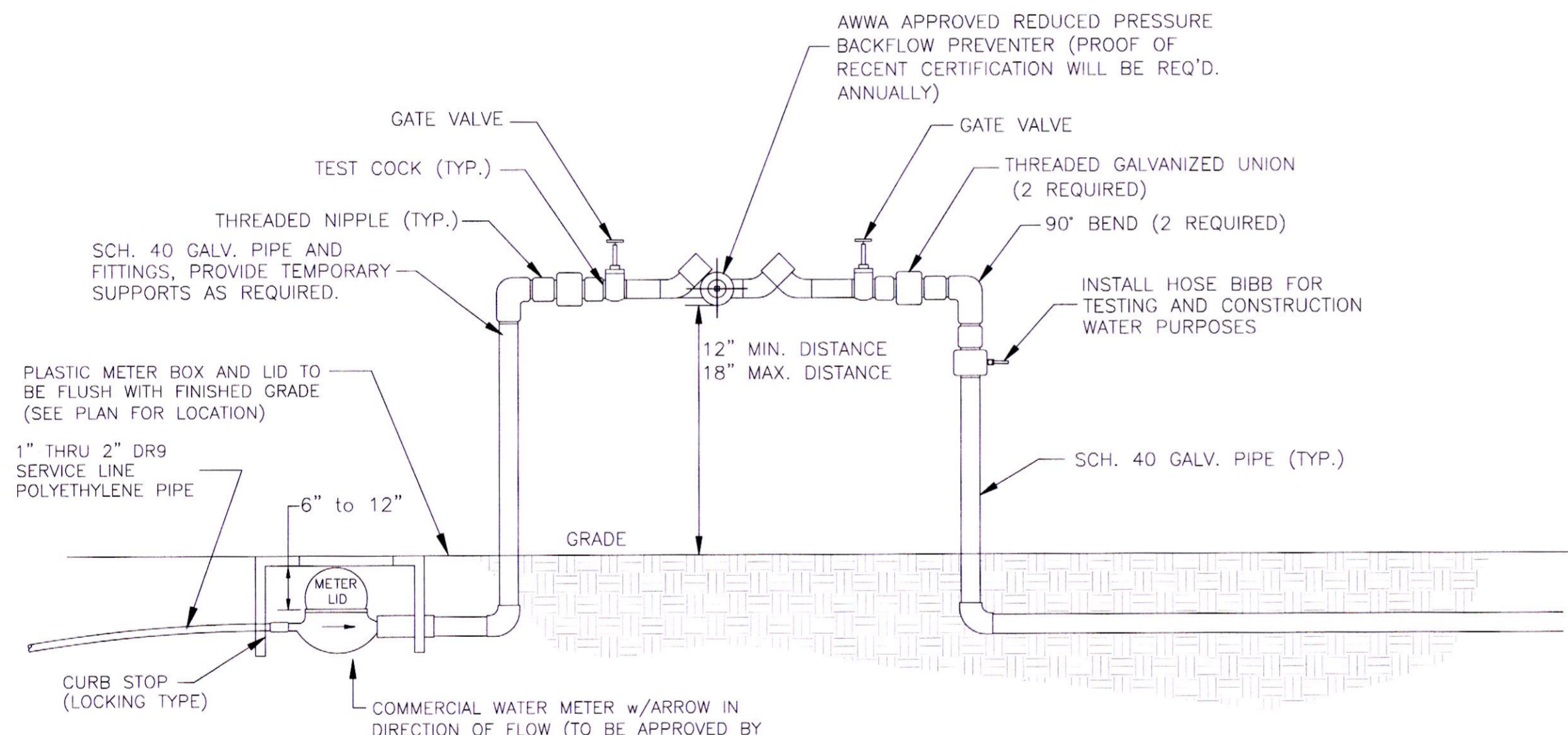
CLIENT: **J & L RANGE, LLC**
 PROJECT DESCRIPTION: **PROPOSED DRAINAGE PLAN FOR LOT 1A-1, PHASE 2A, ALPHA INDUSTRIAL PARK SUBDIVISION, ST. TAMMANY PARISH, LA.**

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JOB NO: 14-337
 DATE: 11/15/2023
 DRAWN BY:
 SCALE: 1" = 20'
 COMPUTER FILE:

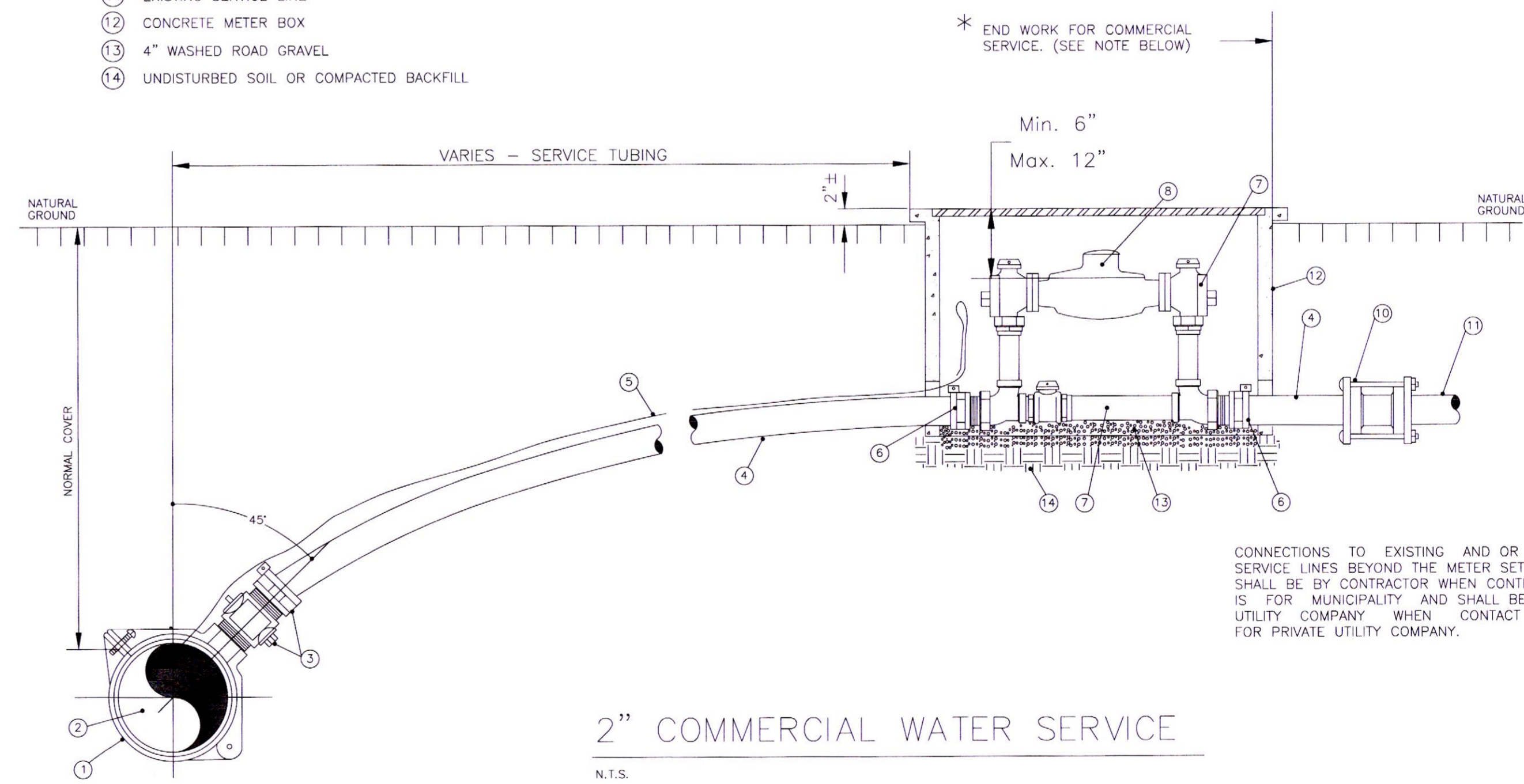
- LEGEND:**
- ① BRASS SADDLE
 - ② WATER MAIN
 - ③ CORPORATION STOP
 - ④ SERVICE TUBING - 2" HDPE 3408 SDR-9
 - ⑤ LOCATOR WIRE - 14 GA. STRANDED COPPER
 - ⑥ PACK JOINT COUPLING
 - ⑦ COPPER SETTER
 - ⑧ METER - AS SPECIFIED BY UTILITY OWNER & SUPPLIED AND INSTALLED BY CUSTOMER
 - ⑨ INTENTIONALLY BLANK
 - ⑩ COMPRESSION COUPLING
 - ⑪ EXISTING SERVICE LINE
 - ⑫ CONCRETE METER BOX
 - ⑬ 4" WASHED ROAD GRAVEL
 - ⑭ UNDISTURBED SOIL OR COMPACTED BACKFILL



- NOTES:**
- ALL BACKFLOW PREVENTERS SHALL BE INSPECTED BY UTILITY COMPANY AND NEED LICENSED/STATE CERTIFIED TESTER TO TEST AT INSTALLATION AND A CERTIFICATE SENT TO THE UTILITY COMPANY. TESTS WILL BE REQUIRED ANNUALLY THEREAFTER BY OWNER AND SENT TO THE UTILITY COMPANY.
 - BACKFLOW PREVENTERS SHALL BE REQUIRED ON ALL COMMERCIAL CONNECTIONS UNLESS PRIOR APPROVAL FROM UTILITIES, INC. OF LOUISIANA/LOUISIANA WATER SERVICE, INC. HAS BEEN GRANTED.
 - ALL METERS OVER 2" WILL NEED TO BE COMPOUND METERS.
 - NO 2" METERS WILL BE ALLOWED ON 1" SERVICE LINES.

COMMERCIAL METER w/ REDUCED PRESSURE BACK FLOW PREVENTER

N.T.S.



2" COMMERCIAL WATER SERVICE

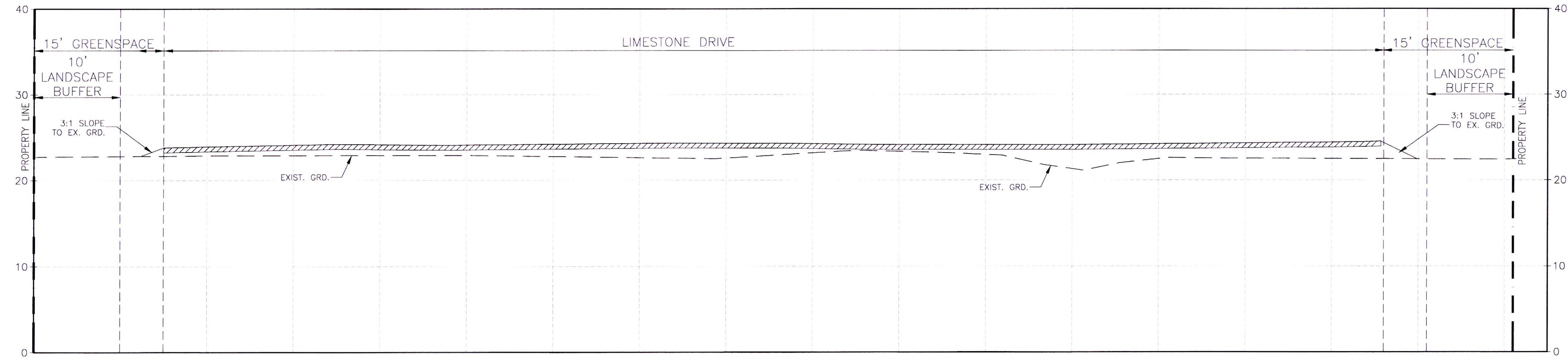
N.T.S.

- NOTES:**
- ALL FITTINGS SHALL BE BRASS WITH COMPRESSION/PACK JOINT TYPE CONNECTIONS.
 - NO SERVICE LINE SHALL TERMINATE UNDER A DRIVEWAY.
 - EACH SERVICE SHALL TERMINATE AT A CURB STOP(S) WHICH SHALL BE BURIED APPROXIMATELY 3" BELOW FINAL GRADE AND SHALL BE CLEARLY MARKED WITH 2"x2"x18" STAKE WITH THE TOP PAINTED BLUE AND MARKED WITH THE NUMBER OF THE LOT(S) TO BE SERVICE.
 - ALL WATER SERVICES AND METER BOXES SHALL BE LOCATED INSIDE THE RIGHT-OF-WAY LINE.
 - CORP. STOPS AND CURB STOPS SHALL BE BRASS EQUIPPED WITH CONNECTION COMPATIBLE TO CONNECTING SERVICE TYPE AS MANUFACTURED BY MUELLER CO. OR APPROVED EQUAL.
 - COMMERCIAL WATER SERVICE CUSTOMERS SHALL BE RESPONSIBLE FOR PROVIDING AND INSTALLING WATER METERS.
 - ALL METERS OVER 2" WILL NEED TO BE COMPOUND METERS.
 - NO 2" METERS WILL BE ALLOWED ON 1" SERVICE LINES.

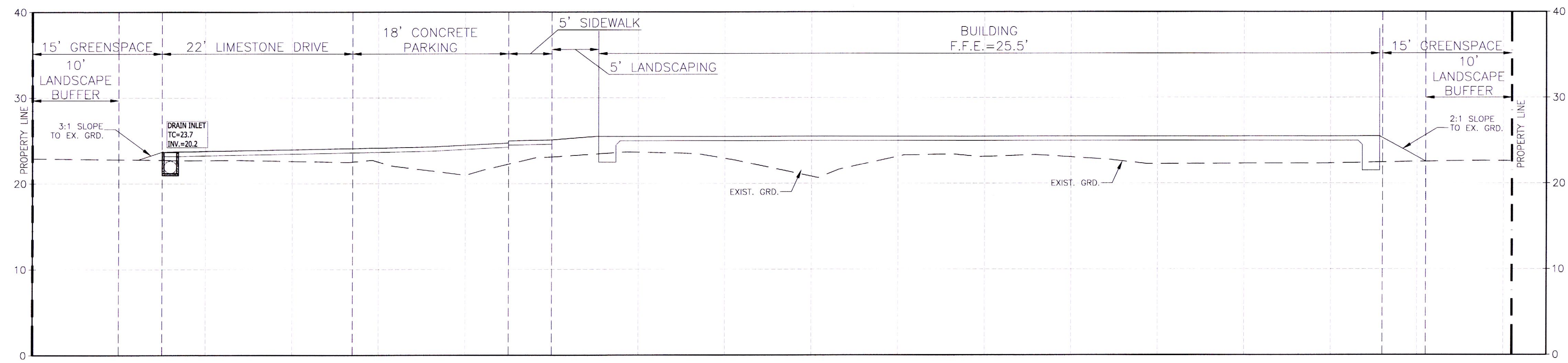
COMMERCIAL WATER SERVICE CONNECTION

N.T.S.

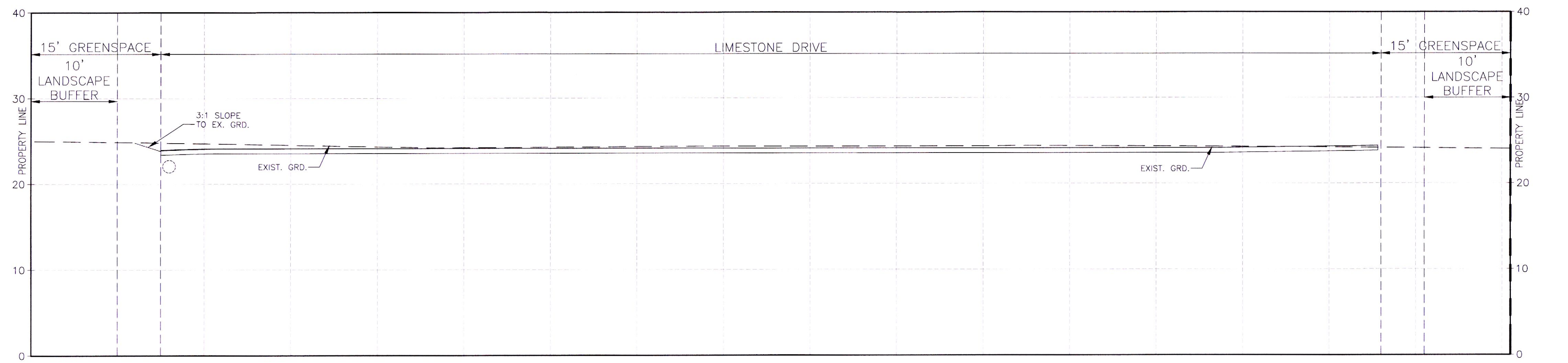
REVIEWED FOR STATE FIRE MARSHAL AS PER REVIEW LETTER BY WILLIAM D. JONES, ARCHITECT, CBO
William D. Jones



3 SECTION VIEW
Scale: 1" = 8'



2 SECTION VIEW
Scale: 1" = 8'



1 SECTION VIEW
Scale: 1" = 8'

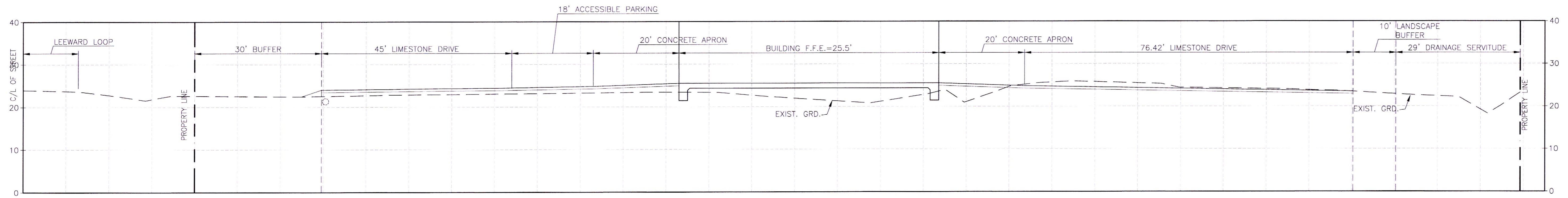
REVIEWED FOR
STATE FIRE MARSHAL
AS PER REVIEW LETTER
BY: WILLIAM D. JONES, ARCHITECT, CBO
William D. Jones

CLIENT: ST. TAMMANY PARISH FIRE DISTRICT 13
PROJECT DESCRIPTION: PAVING & DRAINAGE PLAN FOR LOT 24-B, NORTHPOINTE BUSINESS PARK, PHASE 2, ST. TAMMANY PARISH, LOUISIANA

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1	03/18/2024
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JOB NO: 14-335
DATE: 11/15/2023
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SCALE: N.T.S.
COMPUTER FILE:



1 SECTION VIEW
Scale: 1" = 12'

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AS PER REVIEW LETTER
BY: WILLIAM D. JONES, ARCHITECT, CBO
William D. Jones

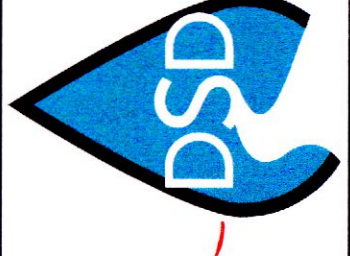
CLIENT: ST. TAMMANY PARISH FIRE DISTRICT 13
PROJECT DESCRIPTION:
PAVING & DRAINAGE PLAN FOR LOT 24-B,
NORTHPOINTE BUSINESS PARK, PHASE 2,
ST. TAMMANY PARISH, LOUISIANA

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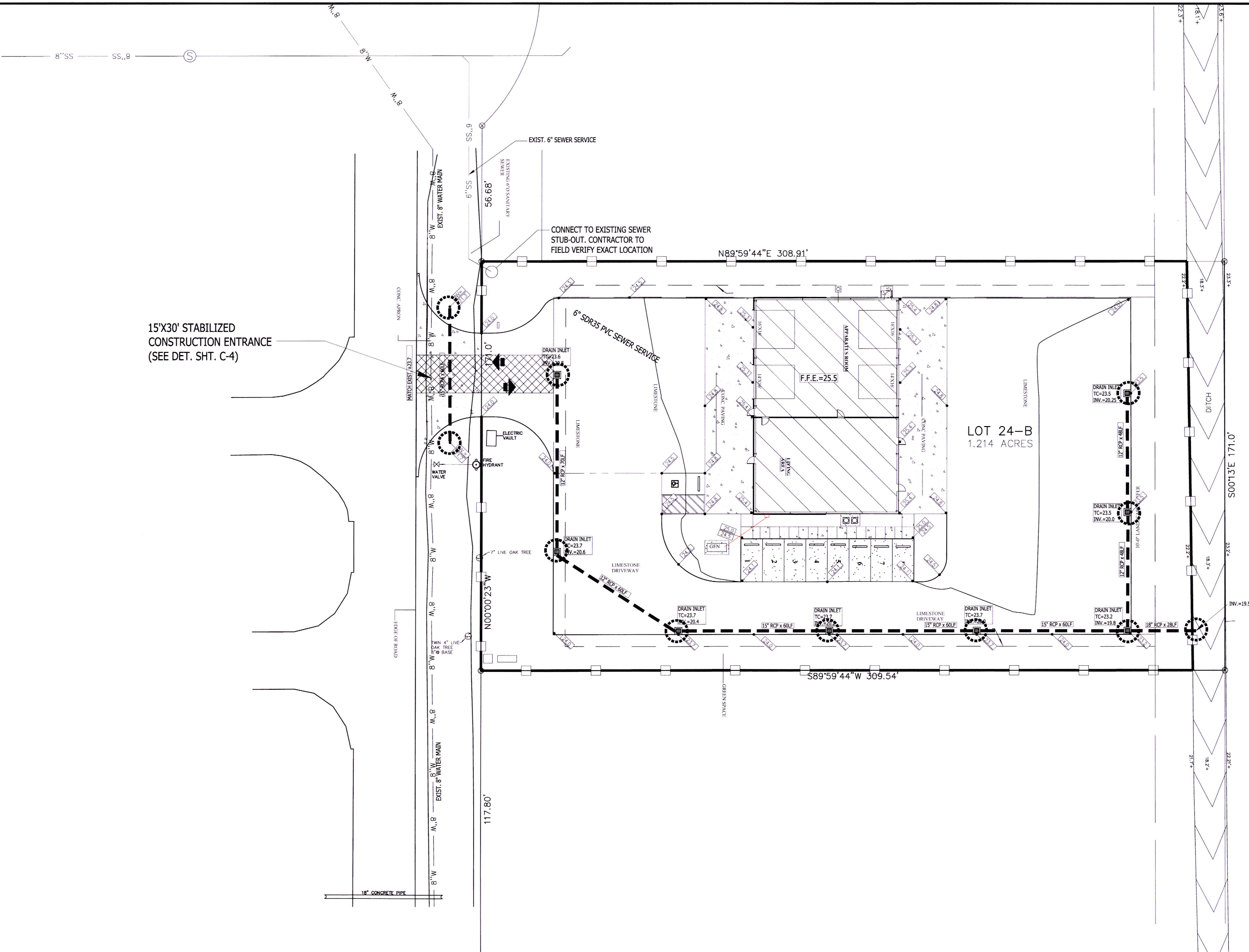
REVISION NO.	DATE
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JOB NO: 14-335
DATE: 11/15/2023
DRAWN BY:
SCALE: N.T.S.
COMPUTER FILE:

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C-9



DEEP SOUTH DESIGN GROUP
Civil/Environmental Engineering Firm
P.O. Box 1122 | Madisonville, LA 70447
PH: 985-705-4696

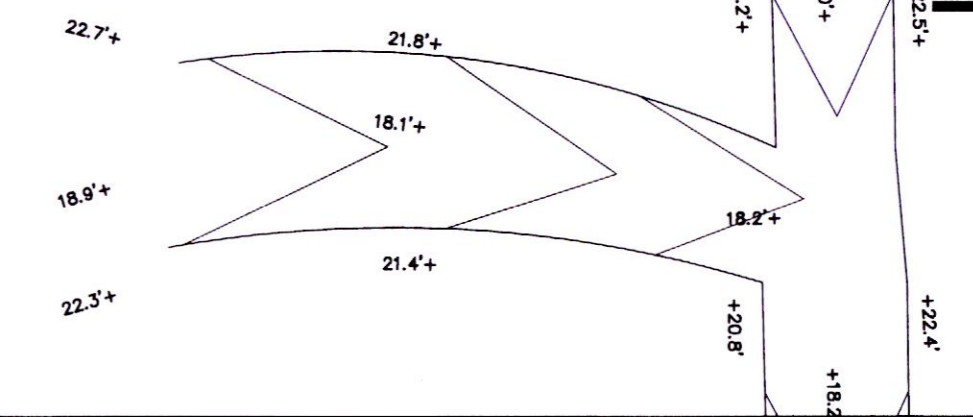


15'X30' STABILIZED
CONSTRUCTION ENTRANCE
(SEE DET. SHT. C-4)

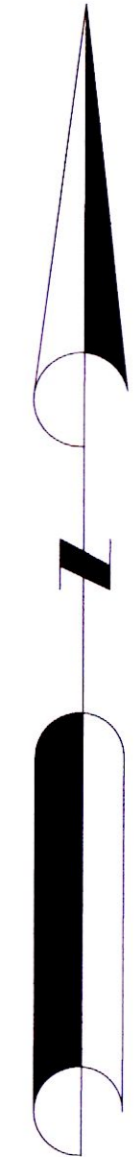
1 PROPOSED EROSION PLAN
Scale: 1" = 20'

SYMBOL LEGEND

- REQUIRED EROSION CONTROL STRAW BALE DIKES AT LOCATIONS AS SHOWN HEREON
- SILT FENCE (±900 LF)



REVIEWED FOR
STATE FIRE MARSHAL
AS PER REVIEW LETTER
BY WILLIAM D. JONES, ARCHITECT, CGO
20'



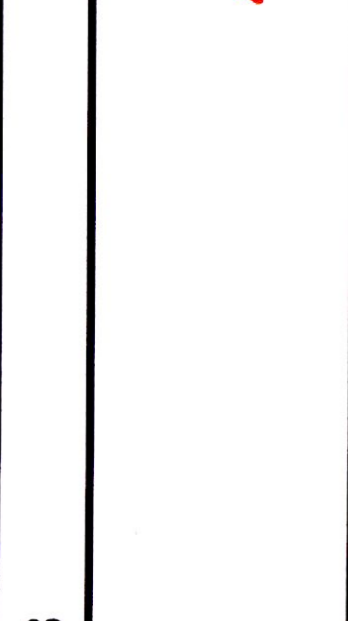
CLIENT: ST. TAMMANY PARISH FIRE DISTRICT 13
PROJECT DESCRIPTION:
PAVING & DRAINAGE PLAN FOR LOT 24-B,
NORTHPOINTE BUSINESS PARK, PHASE 2,
ST. TAMMANY PARISH, LOUISIANA

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JOB NO: 14-335
DATE: 11/15/2023
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COMPUTER FILE:
SHEET
C-10





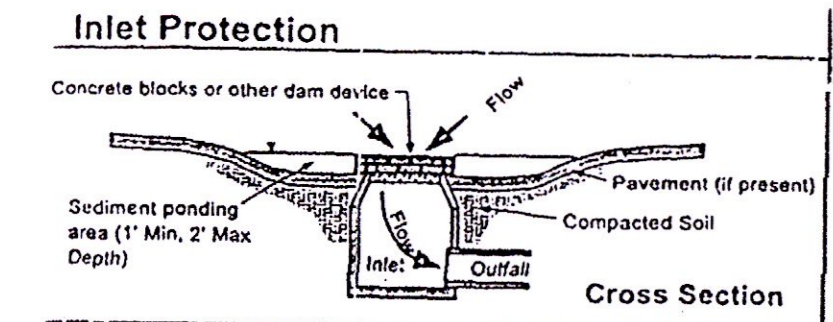
CLIENT: ST. TAMMANY PARISH FIRE DISTRICT 13
 PROJECT DESCRIPTION: PAVING & DRAINAGE PLAN FOR LOT 24-B, NORTH-POINTE BUSINESS PARK, PHASE 2, ST. TAMMANY PARISH, LOUISIANA

REVISION NO.:
 JOB NO: 14-335
 DATE: 11/15/2023
 DRAWN BY:
 SCALE: N.T.S.
 COMPUTER FILE:
 SHEET

REVIEWED FOR STATE FIRE MARSHAL AND ENGINEER BY WILLIAM D. JONES, ARCHITECT, CBO

SEDIMENTATION PLAN REQUIREMENTS

- THE OWNER, BUILDER OR DEVELOPER OF A CONSTRUCTION PROJECT SHALL CAUSE THE PLACEMENT OF A REQUIRED SEDIMENT CONTROL MEASURE FOR ALL SLOPE AND DOWN SLOPE BOUNDARIES OF A CONSTRUCTION AREA, UNLESS A SEDIMENTATION BASIN DESIGNED TO ACCOMMODATE 3600 CUBIC FEET OF WATER AND SEDIMENT FOR EACH ACRE OF DISTURBED PROPERTY IS PROVIDED.
- THE OWNER, BUILDER OR DEVELOPER WILL FURTHER CAUSE THE PLACEMENT OF SAID SEDIMENT CONTROL MEASURE AROUND ALL DRAINAGE STRUCTURE INLETS WHICH FLOW INTO A PUBLIC DRAINAGE SYSTEM OR A DRAINAGE SYSTEM WHICH IS INTENDED TO BE DEDICATED TO THE PUBLIC.
- THE FOLLOWING MEASURES ARE SEDIMENT RETENTION MEASURES SUBJECT TO REVIEW AND APPROVAL OF EACH APPLICATION BASED UPON THE CHARACTERISTICS OF THE WORK AND SITE BEING PERMITTED. A DETAILED DESCRIPTION OF THE APPLICATION, DESIGN CRITERIA AND LIMITATIONS OF EACH IS OUTLINED HEREON.
 - MULCHING
 - EROSION CONTROL MATS
 - VEGETATION
 - SILT FENCING
 - STRAW BALE DIKES
 - DIVERSION DIKES
 - INTERCEPTOR SWALES
 - INLET PROTECTION
 - ANY OTHER FUNCTIONALLY EQUIVALENT SEDIMENT CONTROL TECHNOLOGY OR METHOD DEEMED APPROPRIATE BY THE DIRECTOR OF THE DEPARTMENT OF ENGINEERING.
- A BLANKET PERMIT MAY BE ISSUED FOR LARGE SCALE DEVELOPMENTS WHEN THE DEVELOPER PROVIDES THE REQUIRED SEDIMENT CONTROL MEASURES FOR THE DEVELOPMENT AS A WHOLE. THE APPROPRIATENESS OF THESE MEASURES WILL BE DETERMINED BY THE DIRECTOR OF THE DEPARTMENT OF ENGINEERING.
- PROVISION OF SEDIMENT RETENTION MEASURES ON SITE DOES NOT RELEASE THE BUILDER/DEVELOPER FROM RESPONSIBILITIES AS OUTLINED IN SECTION 40-071.01 OF CHAPTER 7 OF THE ST. TAMMANY PARISH CODE OF ORDINANCES SHOULD THE RETENTION MEASURES FAIL TO REDUCE SEDIMENT RUNOFF. THE DIRECTOR OF THE DEPARTMENT OF ENGINEERING MAY RELEASE THE BUILDER/DEVELOPER FROM THE PROVISIONS OF THIS SECTION IF IT IS DETERMINED THAT THE FAILURE OF SEDIMENT CONTROL MEASURES IS NOT ATTRIBUTABLE TO FAULTY INSTALLATION OR MAINTENANCE OF THE REQUIRED RETENTION MEASURES.
- IT IS MANDATORY FOR THE CONTRACTOR TO EMPLOY THE APPROPRIATE METHOD AS SHOWN HEREON TO ENSURE EROSION CONTROL DURING ALL PHASE OF CONSTRUCTION.
- THE METHOD IS TO BE APPROVED PRIOR TO ITS IMPLEMENTATION BY THE DIRECTOR OF THE DEPARTMENT OF ENGINEERING AND THE PROJECT ENGINEER.



Inlet Protection

Applications
 Perimeter Control
 Slope Protection
 Sediment Trapping
 Channel Protection
 Temporary Stabilization
 Permanent Stabilization
 Waste Management
 Housekeeping Practices

Targeted Constituents
 Sediment
 Nutrients
 Toxic Materials
 Oil & Grease
 Floatable Materials
 Other Construction Wastes

Implementation Requirements
 Capital Costs
 Maintenance
 Training
 Suitability for Slopes >5%

Legend
 Significant Impact
 Medium Impact
 Low Impact
 Unknown or Questionable Impact

DESCRIPTION
 Inlet protection consists of a variety of methods of intercepting sediment at low point inlets through the use of stone, filter fabric and other materials. This is normally located at the inlet, providing either detention or filtration to reduce sediment and floatable materials in storm water.

PRIMARY USE
 Inlet protection is normally used as a secondary defense in site erosion control. It is normally used in new developments that include new inlets or flooding, traffic safety and during major repairs to existing roadways. Inlet protection has limited use in developed areas due to the potential for flooding, traffic safety and during major repairs to existing roadways. Inlet protection can reduce sediment in storm sewer systems by serving as a back up system to onsite controls or by reducing sediment loads from controls with limited effectiveness such as straw bale dikes.

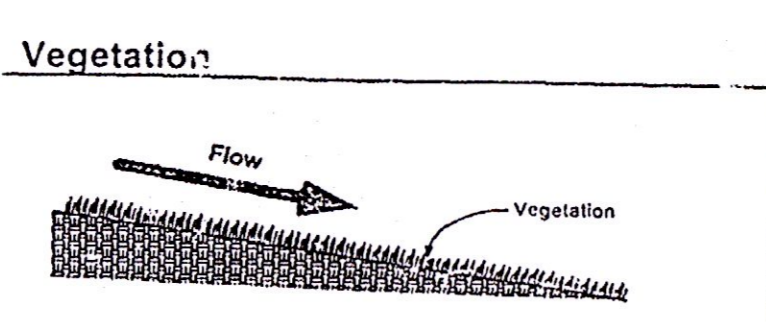
APPLICATIONS
 Different variations are used for different conditions as follows:
 Filter barrier protection (similar to a silt fence barrier around the inlet) is appropriate when the drainage area is less than one acre and the basin slope is less than five (5) percent. This type of protection is not applicable in paved areas. (See details, Section 9)
 Block and gravel (crushed stone, recycled concrete is also appropriate) protection is used when flows exceed 0.5 cfs, and it is necessary to allow for overtopping to prevent flooding. (See sketch at top of fact sheet)
 Wire mesh and gravel protection (crushed stone, recycled concrete is also appropriate) is used when flows exceed 0.5 cfs, and construction traffic may occur over the inlet. This form of protection may be used with both curb and drop inlets. (See details Section 9)

Excavated impoundment protection around a drop inlet may be used for protection against sediment entering a storm drain system. With this method, it is necessary to install weep holes to allow the impoundment to drain completely. The impoundment shall be sized such that the volume of excavation shall be equal to 1600 to 3600 cubic feet per acre of contributing drainage area entering the inlet for full effectiveness. Smaller volumes can be used for reduced effectiveness.

DESIGN CRITERIA
 Filter fabric protection shall be designed and maintained in a manner similar to silt fence. Maximum depth of flow shall be eight (8) inches or less depending on vehicular and pedestrian traffic.
 Positive drainage is critical in the design of inlet protection. If overflow is not provided for at the inlet, flows which exceed the capacity of the inlet protection system shall be routed through established swales, ditches or other watercourses to minimize damage due to ponding and to provide for public safety.

LIMITATIONS
 Ponding will occur at the inlet with possible flooding as a result.
 Inlet protection is only viable at low point inlets. Inlets which are on a slope cannot be effectively protected because stormwater will bypass the inlet and continue downstream, causing an overload condition at inlets upstream.

MAINTENANCE REQUIREMENTS
 Inspections should be made on a weekly basis, especially after large (> 0.5 cfs) storm events. When silt fence is used and the fabric becomes clogged, it should be cleaned or if necessary, replaced. Also, sediment should be removed when it reaches approximately one-half the height of the fence. If a stump is used, sediment should be removed when the volume of the basin is reduced by 50%.
 For systems using stone filters, when the stone filter becomes clogged with sediment, the stones must be pulled away from the inlet and cleaned or replaced. Since cleaning of gravel at a construction site may be difficult, an alternative approach would be to use the clogged stones as fill material and put new stone around the inlet.



Vegetation

Applications
 Perimeter Control
 Slope Protection
 Sediment Trapping
 Channel Protection
 Temporary Stabilization
 Permanent Stabilization
 Waste Management
 Housekeeping Practices

Targeted Constituents
 Sediment
 Nutrients
 Toxic Materials
 Oil & Grease
 Floatable Materials
 Other Construction Wastes

Implementation Requirements
 Capital Costs
 Maintenance
 Training
 Suitability for Slopes >5%

Legend
 Significant Impact
 Medium Impact
 Low Impact
 Unknown or Questionable Impact

DESCRIPTION
 Vegetation, as a Best Management Practice, is the sowing of annual grasses, small grains or legumes to provide interim and permanent vegetative stabilization for disturbed areas. Unless otherwise specified, Bermuda Grass is to be used for permanent seeding. Temporary stabilization may be achieved during winter by seeding with Rye Grass.

PRIMARY USE
 Vegetation is used as a temporary or permanent stabilization technique for areas disturbed by construction but not protected by pavement, building or other structures. As a temporary control, vegetation is used to stabilize stockpiles and barren areas which are inactive for long periods of time. As a permanent control, grasses and other vegetation provide good protection for the soil along with some filtering for overland runoff. Subjected to acceptable runoff velocities, vegetation can provide a good method of permanent storm water management as well as a visual amenity to the site.

Other BMPs may be required to assist in the establishment of vegetation. These other techniques include erosion control matting, swales and dikes to direct flow around newly seeded areas and proper grading to limit runoff velocities during construction.

APPLICATIONS
 Vegetative techniques can and should apply to a variety of construction projects with few exceptions. Vegetation effectively reduces erosion in swales, stockpiles, berms, mild to medium slopes and along roadways. Vegetative strips can provide some protection when used as a perimeter control for utility and site development construction.

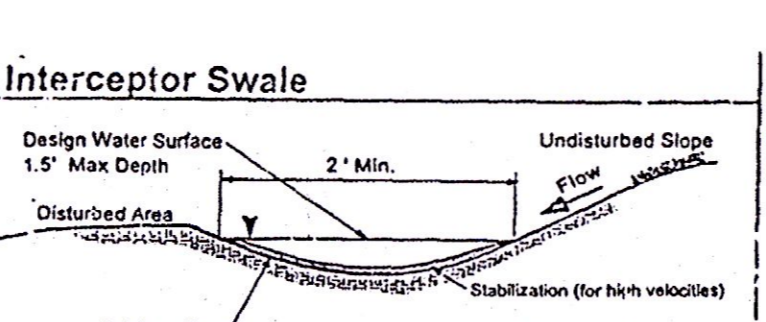
In many cases, the initial cost of temporary seeding may be high compared to turfs or covers for stockpiles or other barren areas subject to erosion yet inactive. This initial cost should be weighed with the amount of time the area is to remain inactive, since maintenance cost for vegetated areas is much less than most structural controls.

DESIGN CRITERIA
 Surface Preparation
 - Interim or final grading must be completed prior to seeding, minimizing all steep slopes.
 - Install all necessary erosion structures such as dikes, swales, diversions, etc., prior to seeding.
 - Grooves or furrow slopes steeper than 3:1 on the contour line before seeding.
 - Provide 4-6 inches of topsoil over unusable soils.
 - Seed-bed should be well pulverized, loose and uniform.

Plant Selection, Fertilization and Seeding
 - Use only high quality, USDA certified seed.
 - For permanent vegetative cover during the period from March to August (inclusive) use hulled Bermuda Grass applied at 10 - 12 pounds per acre.
 - For permanent vegetative cover during the period from September to February (inclusive) use unhulled Bermuda Grass applied at 15 - 20 pounds per acre.
 - For temporary stabilization on disturbed areas or stockpiles, use Rye Grass seed applied at 40 - 50 pounds per acre.
 - Fertilizer shall be applied according to the manufacturer's recommendation with proper spreader equipment. Typical application rate for 10-10-10 grade fertilizer is 700-1000 pounds per acre. DO NOT OVER APPLY FERTILIZER.
 - If hydro-seeding is used, do not mix seed and fertilizer more than 30 minutes before application.
 - Evenly apply seed using cyclone seeder, seed drill, cultipacker or hydroseeder.
 - Provide adequate water to aid in establishment of vegetation.
 - Use appropriate mulching techniques where necessary.

LIMITATIONS
 Vegetation is not appropriate for areas subjected to heavy pedestrian or vehicular traffic. As a temporary technique, vegetation may be costly when compared to other techniques. Vegetation is not appropriate for rock, gravel or coarse grained soils unless 4 to 6 inches of topsoil is applied.

MAINTENANCE REQUIREMENTS
 Protect newly seeded areas from excessive runoff and traffic until vegetation is established (mulching may be necessary). A watering and fertilizing schedule will be required as part of the SWPPP to assist in the establishment of the vegetation.



Interceptor Swale

Applications
 Perimeter Control
 Slope Protection
 Sediment Trapping
 Channel Protection
 Temporary Stabilization
 Permanent Stabilization
 Waste Management
 Housekeeping Practices

Targeted Constituents
 Sediment
 Nutrients
 Toxic Materials
 Oil & Grease
 Floatable Materials
 Other Construction Wastes

Implementation Requirements
 Capital Costs
 Maintenance
 Training
 Suitability for Slopes >5%

Legend
 Significant Impact
 Medium Impact
 Low Impact
 Unknown or Questionable Impact

DESCRIPTION
 An interceptor swale is a small v-shaped or parabolic channel which collects runoff and directs it to a desired location. It can either have a natural grass lining or depending on slope and design velocity, a protective lining of erosion matting, stone or concrete.

PRIMARY USE
 The interceptor swale can either be used to direct sediment laden flow from disturbed areas into a controlled outlet or to direct 'clean' runoff around disturbed areas. Since the swale is easy to install during early grading operations, it can serve as the first line of defense in reducing runoff across disturbed areas. As a method of reducing runoff across the disturbed construction area, it reduces the requirements of structural measures to capture sediment from runoff since the flow is reduced. By intercepting sediment laden flow downstream of the disturbed area, runoff can be directed into a sediment basin or other BMP for sedimentation as opposed to long runs of silt fence, straw bales or other filtration media.

Based on site topography, swales can be effectively used in combination with diversion dikes.

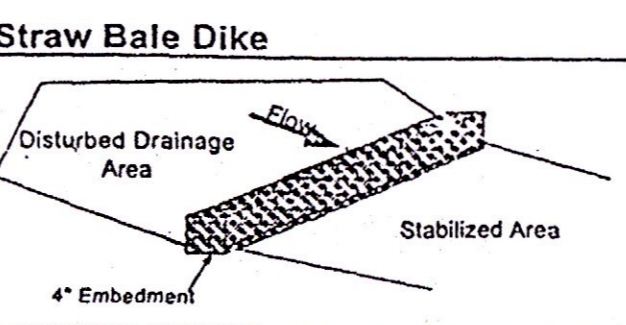
APPLICATIONS
 Common applications for interceptor swales include roadway projects, site development projects with substantial offsite flow impacting the site and sites with a large area(s) of disturbance. It can be used in conjunction with diversion dikes to intercept flows. Temporary swales can be used throughout the project to direct flows away from staging, storage and fueling areas along with specific areas of construction. Note that runoff which crosses disturbed areas or is directed into unestablished swales must be routed into a treatment BMP such as a sediment basin.

Grass lined swales are an effective permanent stabilization technique. The grass effectively filters both sediment and other pollutants while reducing velocity.

DESIGN CRITERIA
 Maximum depth of flow in the swale shall be 1.5 feet based on a 2 year design storm peak flow. Positive overflow must be provided to accommodate larger storms.
 - Side slopes of the swale shall be 3:1 or flatter.
 - Minimum design channel freeboard shall be 6 inches.
 - The minimum required channel stabilization for grades less than 2 percent and velocities less than 6 feet per second may be grass, erosion control mats or mulching. For grades in excess of 2 percent, or velocities exceeding 6 feet per second, stabilization in the form of high velocity erosion mats, a three inch layer of crushed stone or rip rap is required. Velocities greater than 8 feet per second will require approval by the PROGRAM MANAGER.
 - Check dams can be used to reduce velocities in steep swales. See Check Dam BMP fact sheet for design criteria.
 - Interceptor swales must be designed for flow capacity based on Manning's Equation to ensure a proper channel section. Alternate channel sections may be used when properly designed and accepted.
 - Consideration must be given to the possible impact that any swale may have on upstream or downstream conditions.
 - Swales must maintain positive grade to an acceptable outlet.

LIMITATIONS
 Interceptor swales must be stabilized quickly upon excavation so as not to contribute to the erosion problem they are addressing.
 Swales may be unsuitable to the site conditions (too flat or steep).

Limited flow capacity for temporary swales. For permanent swales, the 1.5 feet maximum depth can be increased as long as provisions for public safety are implemented.



Straw Bale Dike

Applications
 Perimeter Control
 Slope Protection
 Sediment Trapping
 Channel Protection
 Temporary Stabilization
 Permanent Stabilization
 Waste Management
 Housekeeping Practices

Targeted Constituents
 Sediment
 Nutrients
 Toxic Materials
 Oil & Grease
 Floatable Materials
 Other Construction Wastes

Implementation Requirements
 Capital Costs
 Maintenance
 Training
 Suitability for Slopes >5%

Legend
 Significant Impact
 Medium Impact
 Low Impact
 Unknown or Questionable Impact

DESCRIPTION
 A straw bale dike is a temporary barrier constructed of straw bales anchored with wood posts, that is used to intercept sediment-laden runoff generated by small disturbed areas. The straw bales can serve as both a filtration device and a diversion device to treat and redirect flow. Bales consist of hay or straw in which straw is defined as best quality straw from wheat, oats or barley. Free of weed and grass seed and any material that is defined as straw which includes weed and grass seed.

PRIMARY USE
 A straw bale dike is used to trap sediment-laden storm runoff from small drainage areas with relatively level grades, allowing for reduction of velocity thereby causing sediment to settle out.

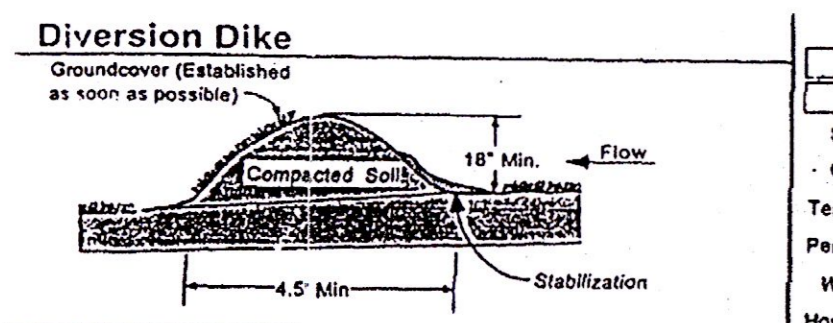
APPLICATIONS
 Straw bale dikes are used to treat flow after it leaves a disturbed area on a relatively small (<1 acre) site. Due to the limited life of the straw bale, it is cost effective for small projects of a short duration. The limited weight and strength of the straw bale makes it suitable for small, flat (< 2 percent slope) contributing drainage areas. Due to the problems with straw degradation and the lack of uniform quality in straw bales, their use is discouraged except for small residential applications.

Straw bales can also be used as check dams (see Check Dam BMP S-7) for small watercourses such as interceptor swales and borrow ditches. Due to the problems in securely anchoring the bales, only small watercourses can effectively use straw bale check dams.

DESIGN CRITERIA
 - Straw bale dikes are to be constructed along a line of constant elevation (along a contour line) where possible.
 - Maximum slope adjacent to the fence is 1:1.
 - Maximum distance of flow to silt fence should be 200 feet or less.
 - Maximum concentrated flow to silt fence shall be 1 CFS per 20 feet of fence.
 - If 50% or less of soil, by weight, passes the U.S. Standard sieve No. 200, select the equivalent opening size (E.O.S.) to retain 85% of the soil.
 - Maximum equivalent opening size shall be 70 (#70 sieve).
 - Minimum equivalent opening size shall be 100 (#100 sieve).
 - If 85% or more of soil, by weight, passes the U.S. Standard sieve No. 200, silt fences shall not be used due to potential clogging.
 - Sufficient room for the operation of sediment removal equipment shall be provided between the silt fence and other obstructions in order to properly maintain the fence.
 - The ends of the fence shall be turned upstream to prevent bypass of stormwater.

LIMITATIONS
 Minor ponding will likely occur at the upstream side of the silt fence resulting in minor localized flooding.
 Fences which are constructed in swales, or low areas subject to concentrated flow may be overtopped resulting in failure of the filter fence. Silt fences subject to areas of concentrated flow (waterways with flows > 1 cfs) are not acceptable.
 Silt fence can interfere with construction operations, therefore planning of access routes onto the site is critical.
 Silt fence can fail structurally under heavy storm flows, creating maintenance problems and reducing the effectiveness of the system.

MAINTENANCE REQUIREMENTS
 Inspections should be made on a weekly basis, especially after large storm events. If the fabric becomes clogged, it should be cleaned or if necessary, replaced.
 Sediment should be removed when it reaches approximately one-half the height of the fence.



Diversion Dike

Applications
 Perimeter Control
 Slope Protection
 Sediment Trapping
 Channel Protection
 Temporary Stabilization
 Permanent Stabilization
 Waste Management
 Housekeeping Practices

Targeted Constituents
 Sediment
 Nutrients
 Toxic Materials
 Oil & Grease
 Floatable Materials
 Other Construction Wastes

Implementation Requirements
 Capital Costs
 Maintenance
 Training
 Suitability for Slopes >5%

Legend
 Significant Impact
 Medium Impact
 Low Impact
 Unknown or Questionable Impact

DESCRIPTION
 A diversion dike is a compacted soil mound which redirects runoff to a desired location. The dike is typically stabilized with natural grass for low velocities or with stone or erosion control mats for higher velocities.

PRIMARY USE
 The diversion dike is normally used to intercept offsite flow upstream of the construction area from the disturbed soils. It can also be used downstream of the construction area to direct flow into a sediment retention device such as a sediment basin or protected inlet. The diversion dike serves the same purpose and is based on the topography of the site, can be used in combination with an interceptor swale.

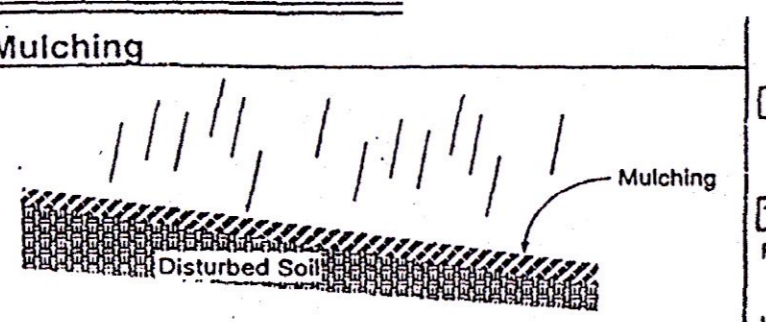
APPLICATIONS
 By intercepting runoff before it has the chance to cause erosion, diversion dikes are very effective in reducing erosion at a reasonable cost. They are applicable to a large variety of projects including site developments and linear projects such as roadways and pipeline construction. Diversion dikes are normally used as perimeter controls for construction sites with large amounts of offsite flow from neighboring properties. Used in combination with swales, the diversion dike can be quickly installed with a minimum of equipment and cost, using the swale excavation as the dike. No sediment removal technique is required if the dike is properly stabilized and the runoff is intercepted prior to crossing disturbed areas.

5. Technical Notes: In situ structural controls can be realized by using diversion dikes to direct sheet flow to a central area such as a sediment basin or other sediment retention structure if the runoff crosses disturbed areas.

DESIGN CRITERIA
 - The maximum contributing drainage area should be 10 acres or less depending on site conditions.
 - Maximum depth of flow at the dike shall be 1 foot for 2 year design storm.
 - The maximum width of the flow at the dike shall be 20 feet.
 - Side slopes of the diversion dike shall be 3:1 or flatter.
 - Minimum width of the embankment at the top shall be 2 feet.
 - Minimum embankment height shall be 18 inches as measured from the toe of slope on the upgrade side of the dike.
 - For velocities less than 6 feet per second, the minimum stabilization for the dike and adjacent flow areas is grass, erosion control mats or mulch. For velocities greater than 6 feet per second, stone stabilization or high velocity erosion control mats should be used. Velocities greater than 8 feet per second must be approved by the PROGRAM MANAGER.
 - The dike shall remain in place until all disturbed areas which are protected by the dike are permanently stabilized unless other controls are put into place to protect the disturbed area.
 - Flow line at dike shall have a positive grade to drain to a controlled outlet.

LIMITATIONS
 Compacted earth dikes require stabilization immediately upon placement so as not to contribute to the problem they are addressing.
 The diversion dikes can be a hindrance to construction equipment moving on the site, therefore their locations must be carefully planned prior to installation.

MAINTENANCE REQUIREMENTS
 Dikes must be inspected on a weekly basis and after each significant (>0.5 inch) rainfall to determine if silt is building up behind the dike, or if erosion is occurring on the face of the dike. Silt shall be removed in a timely manner; if erosion is occurring on the face of the dike, the slopes of the face shall either be stabilized through mulch or seeding or the slopes of the face shall be regraded.



Mulching

Applications
 Perimeter Control
 Slope Protection
 Sediment Trapping
 Channel Protection
 Temporary Stabilization
 Permanent Stabilization
 Waste Management
 Housekeeping Practices

Targeted Constituents
 Sediment
 Nutrients
 Toxic Materials
 Oil & Grease
 Floatable Materials
 Other Construction Wastes

Implementation Requirements
 Capital Costs
 Maintenance
 Training
 Suitability for Slopes >5%

Legend
 Significant Impact
 Medium Impact
 Low Impact
 Unknown or Questionable Impact

DESCRIPTION
 Mulching is the application of a layer of chopped straw, hay or other material which is spread uniformly over barren areas to reduce the effects of erosion from rainfall. Types of mulch include organic materials, straw, wood chips, bark or other fibers. Mulch also comes in prepackaged forms, using straw, hay or other material with organic and inorganic binding systems.

PRIMARY USE
 Mulch is used to temporarily and/or permanently stabilize clear or freshly seeded areas. It protects the soil from erosion and moisture loss by lessening the effects of wind, water and sunlight. It also decreases the velocity of sheet flow, thereby reducing the volume of sediment-laden water flow leaving the mulched area.

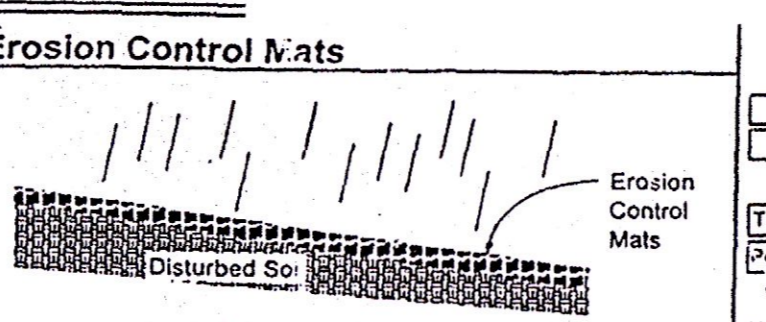
APPLICATIONS
 Mulch may be used on any construction-related disturbed area for surface protection including:
 - Freshly seeded or planted areas.
 - Areas at risk due to the time period being unsuitable for growing vegetation.
 - Areas that are not conducive to seeding or planting.

DESIGN CRITERIA
 Mulch may be used by itself or in combination with netting or other anchors to promote soil stabilization.
 Several manufacturers provide an organic mulch with an attached netting to simplify installation. Installation should adhere to manufacturer's specifications and requirements.
 - Choice of mulch depends largely on slope, climate, and soil type in addition to availability of different materials. Straw and hay are the recommended choices due to their availability and biodegradability. Mulch should be applied in an even and uniform manner where concentrated water flow is negligible.
 - Application of straw or hay mulch should be approximately 2 tons dry per acre spread uniformly across the disturbed area. Other material should be applied such that 25% of the mulch is visible through the mulch.
 - For areas using straw mulch and the slope is greater than 3-5%, anchoring of the mulch with a Kimper Tool is required.

LIMITATIONS
 Mulches are subject to removal by wind or water under severe climatic conditions. Mulches lower the soil temperature which may result in longer seed germination periods.

MAINTENANCE REQUIREMENTS
 Mulched areas must be inspected on a weekly basis, and after significant (>0.5 inch) rainfall, for thin spots caused by weather related events. Missing or loosened mulch must be replaced or re-anchored.

MAINTENANCE REQUIREMENTS
 Mulched areas must be inspected on a weekly basis, and after significant (>0.5 inch) rainfall, for thin spots caused by weather related events. Missing or loosened mulch must be replaced or re-anchored.



Erosion Control Mats

Applications
 Perimeter Control
 Slope Protection
 Sediment Trapping
 Channel Protection
 Temporary Stabilization
 Permanent Stabilization
 Waste Management
 Housekeeping Practices

Targeted Constituents
 Sediment
 Nutrients
 Toxic Materials
 Oil & Grease
 Floatable Materials
 Other Construction Wastes

Implementation Requirements
 Capital Costs
 Maintenance
 Training
 Suitability for Slopes >5%

Legend
 Significant Impact
 Medium Impact
 Low Impact
 Unknown or Questionable Impact

DESCRIPTION
 An erosion control mat (ECM) is a permeable or biodegradable fabric placed over disturbed areas to limit the effects of erosion due to rainfall runoff from rainfalls. Types of mats include organic materials, straw, wood chips, bark or other fibers. Mats also come in prepackaged forms, using straw, hay or other material with organic and inorganic binding systems.

PRIMARY USE
 Mats can provide both temporary and/or permanent stabilization for disturbed soil or barren areas. It is used for difficult to stabilize areas such as steep slopes, temporary or permanent drainage swales, embankments or high traffic (pedestrian) areas. Some mats are reusable, reducing the initial cost of the installation.

APPLICATIONS
 Mats can be used on any construction-related disturbed area, particularly for erosion control of fine grained soils, and on short, steep slopes (such as stream banks) where erosion is high and growth of vegetation is slow.

DESIGN CRITERIA
 A mat may be used by itself or in combination with netting or other anchors to promote soil stabilization. Installation should adhere to manufacturer's specifications and requirements. Choice of matting depends largely on slope, matting should be applied in an even and uniform manner where concentrated water flow is negligible. Manufacturer's information will verify acceptable applications for a particular product.

LIMITATIONS
 Although matting is highly effective in controlling erosion, it may be less cost-effective than other BMPs for erosion control and it may require a contractor with considerable mat installation experience for installation.

MAINTENANCE REQUIREMENTS
 Matted areas must be inspected on a weekly basis, and after significant (>0.5 inch) rainfall, for thin spots caused by weather related events. Missing or loosened matting must be replaced or re-anchored.

Excavated impoundment protection around a drop inlet may be used for protection against sediment entering a storm drain system. With this method, it is necessary to install weep holes to allow the impoundment to drain completely. The impoundment shall be sized such that the volume of excavation shall be equal to 1600 to 3600 cubic feet per acre of contributing drainage area entering the inlet for full effectiveness. Smaller volumes can be used for reduced effectiveness.

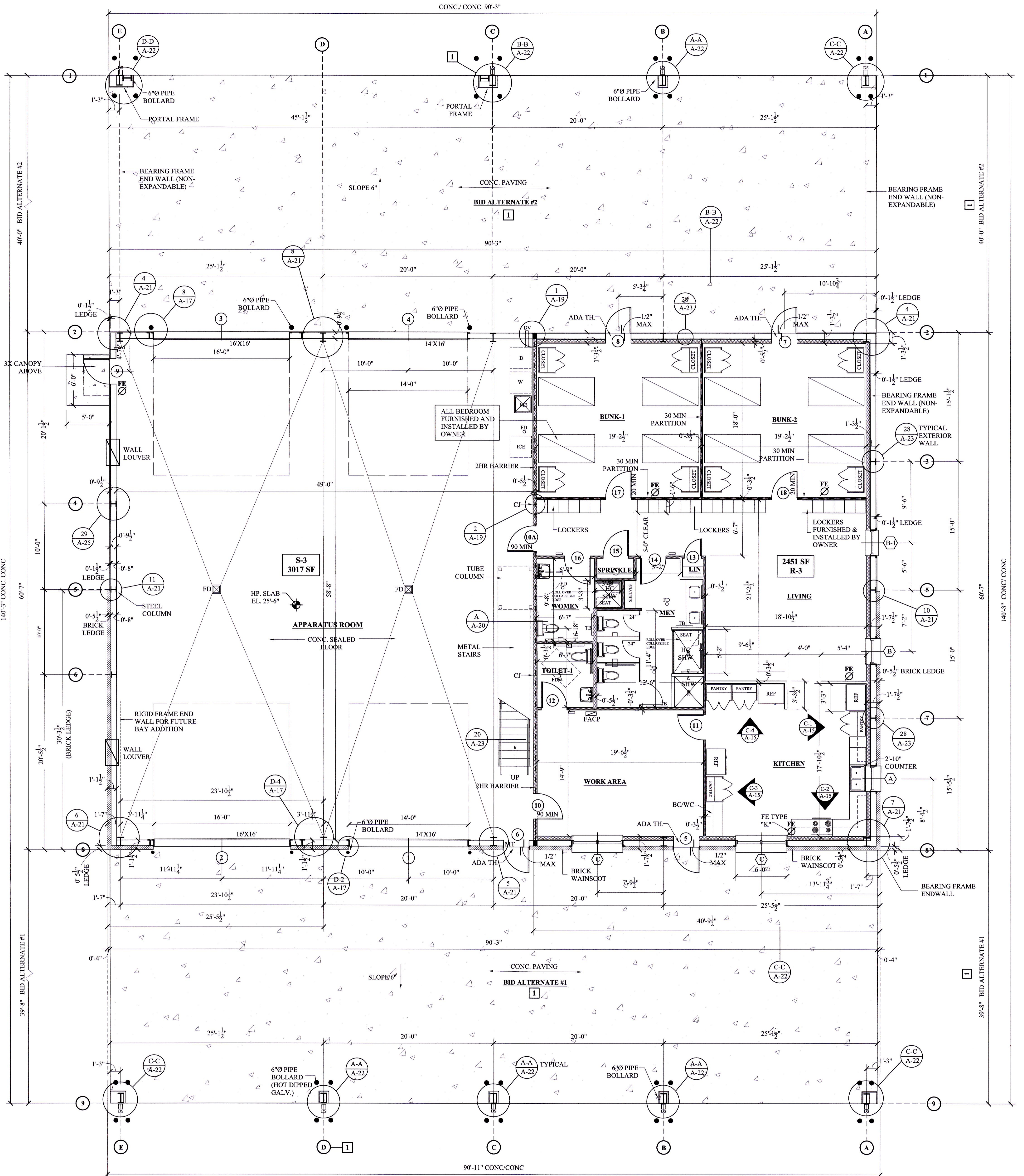
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1 - PRIMARY STEEL FRAMING (COLUMNS AND BEAMS-FRAMES HOT DIPPED GALV. STEEL.
 SECONDARY FRAMING HOT DIPPED GALV. STEEL.
 ROOF PURLIN FRAMING HOT DIPPED GALV. STEEL.
 ALL GALVANIZED CONFORMING TO LATEST EDITION ASTM A123A & A123M. COLOR OF GALVANIZING "GREY".

FLOOR PLAN - BID ALTERNATE NO. 1 & ALTERNATE NO. 2

SCALE: 3/16" = 1'-0"

BASE BID: MAIN BUILDING AND 20'-0" CONCRETE PAVING FRONT AND REAR OF BUILDING WITH NO ROOF COVERING.

BID ALTERNATE NO. 1: DELETE 20'-0" CONC PAVING AND ADD 39'-8" ROOF EXTENSION AND RELATED FOUNDATION AT NORTH (FRONT) WITH 20'-0" CONC PAVING AT SOUTH (REAR) TO REMAIN.

BID ALTERNATE NO. 2: DELETE 20'-0" CONC PAVING AND ADD 40'-0" ROOF EXTENSION AND RELATED FOUNDATION AT REAR OF BUILDING

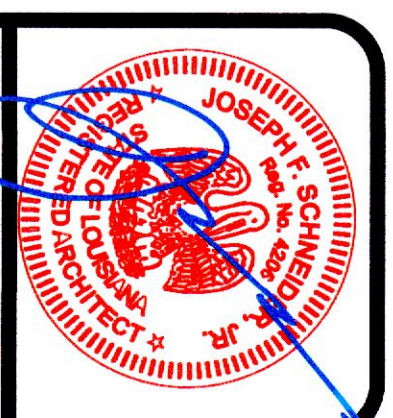
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REVIEWED FOR
 STATE FIRE MARSHAL
 BY W. J. WILSON
 WILSON ARCHITECTS, CBO

OF SHEETS	A-2
SHEET	
JOB NO.	
SCALE	
DATE	03/20/2024
CHECKED	J. SCHNEIDER
DRAWN	H. SCHNEIDER

JOSEPH F. SCHNEIDER JR., AIA
 ARCHITECT
 LA #4206 MS #3020 TX #24294 FL #AR95908
 105 EVANGELINE DRIVE, SLIDELL, LOUISIANA 70460
 (985) 290-6648 jfsarchitect@charter.net

NEW FIRE FIRE STATION NO. 134 FOR
ST. TAMMANY FIRE DISTRICT NO. 13
 425 LEEWARD LOOP ST. TAMMANY PARISH
 COVINGTON, LOUISIANA 70433



NO.	REVISIONS	BY

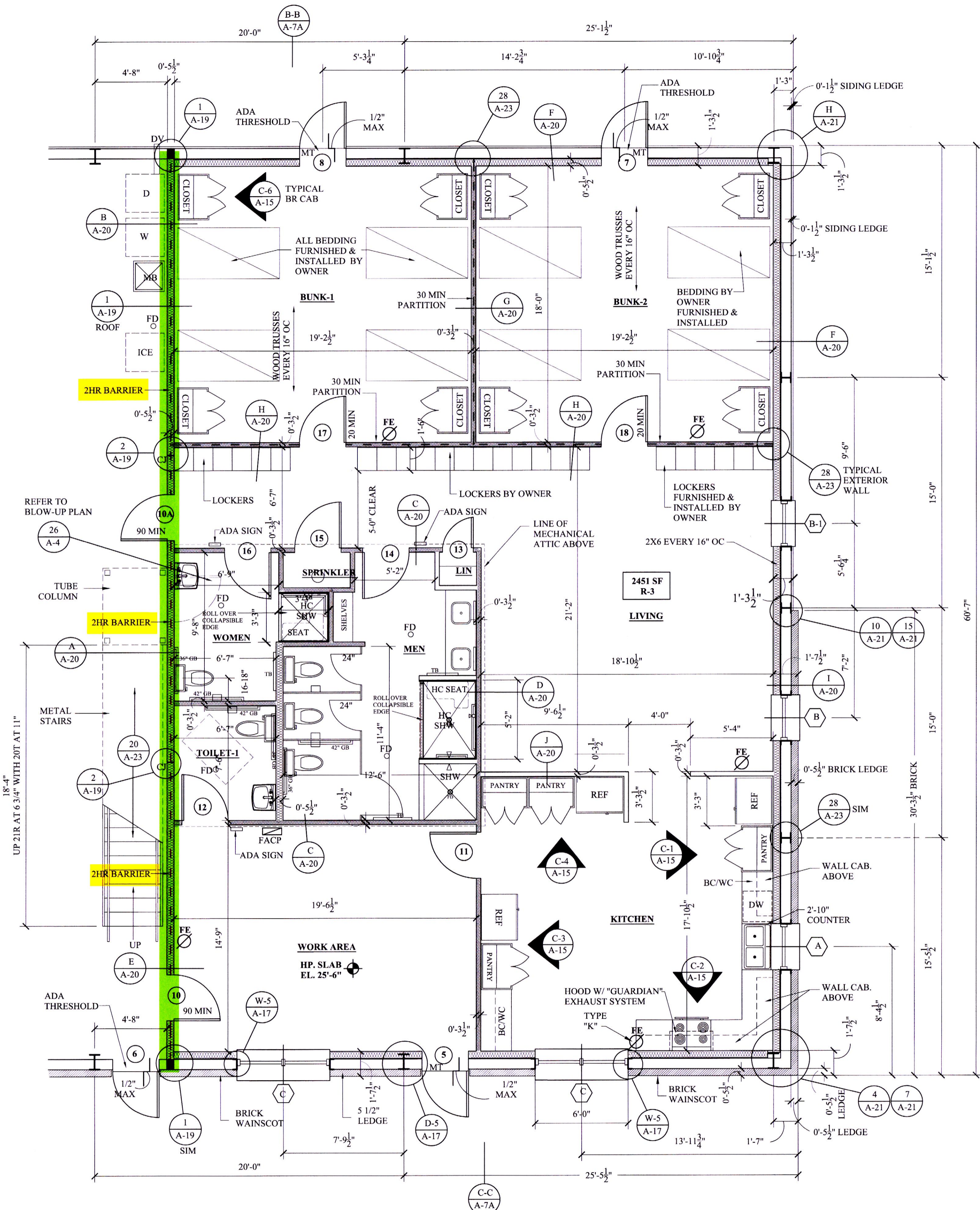
REVISIONS	BY



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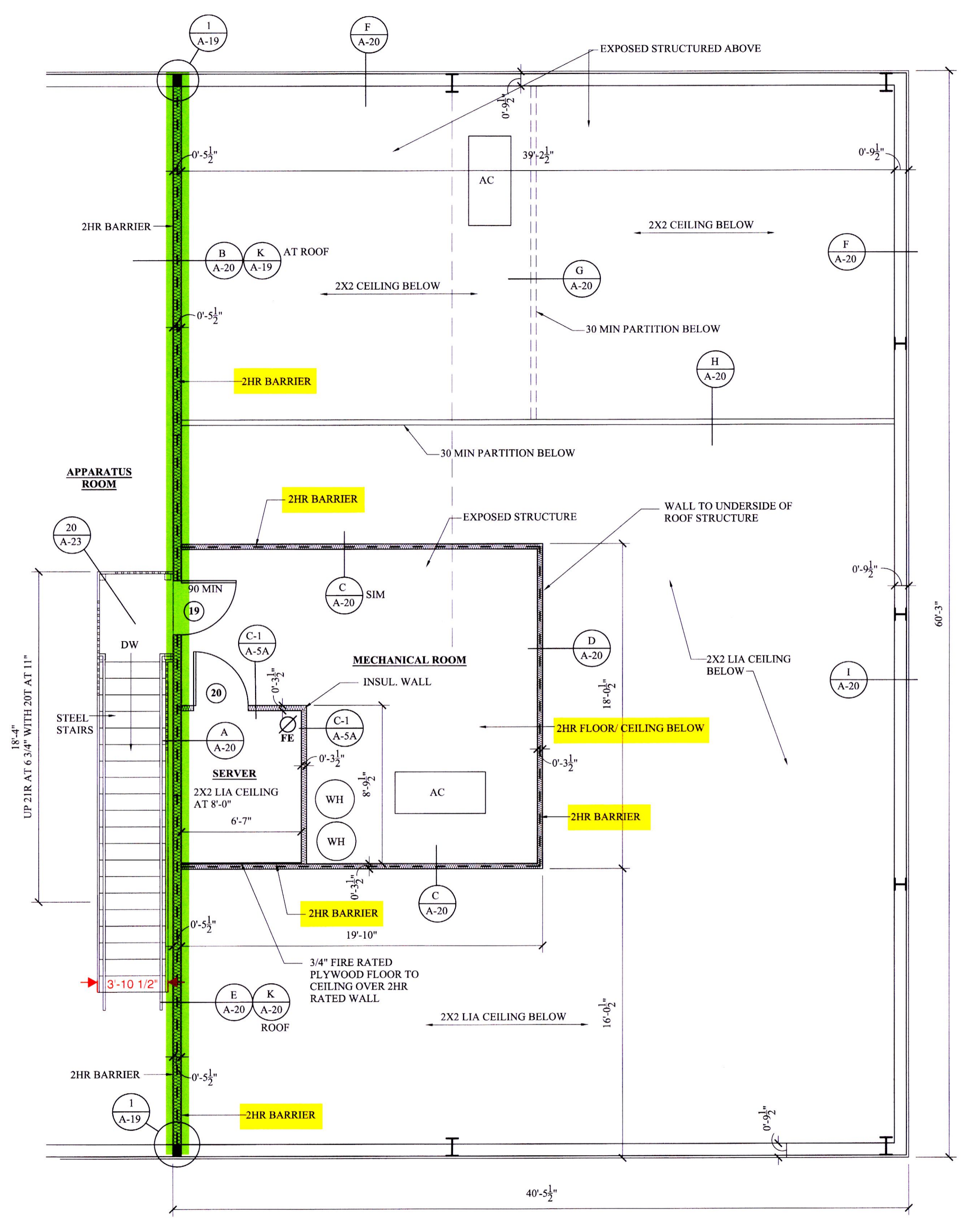
JOSEPH F. SCHNEIDER JR., AIA
ARCHITECT
L.A. #4206 MS #3020 AL #8724 FL #AR95908 TX #24294
105 EVANGELINE DRIVE, SLIDELL, LOUISIANA 70460
(985) 290-6648
jfsarchitect@charter.net

DRAWN	H. SCHNEIDER
CHECKED	J. SCHNEIDER
DATE	03/20/2024
SCALE	AS NOTED
JOB NO.	
SHEET	A-3
OF	SHEETS



FLOOR PLAN -
SCALE: 1/4" = 1'-0"
BASE BID & BID ALTERNATE NO. 1 & NO. 2

A-3



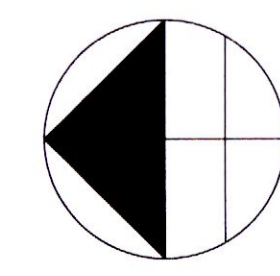
FLOOR PLAN ATTIC - MECHANICAL ROOM

SCALE: 1/4" = 1'-0"
BASE BID & BID ALTERNATE NO. 1 & NO. 2

A-3

REVIEWED FOR
STATE FIRE MARSHAL
AS PER REVIEW LETTER
BY: WILLIAM D. JONES, ARCHITECT, CBO
William D. Jones

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REVISIONS	BY



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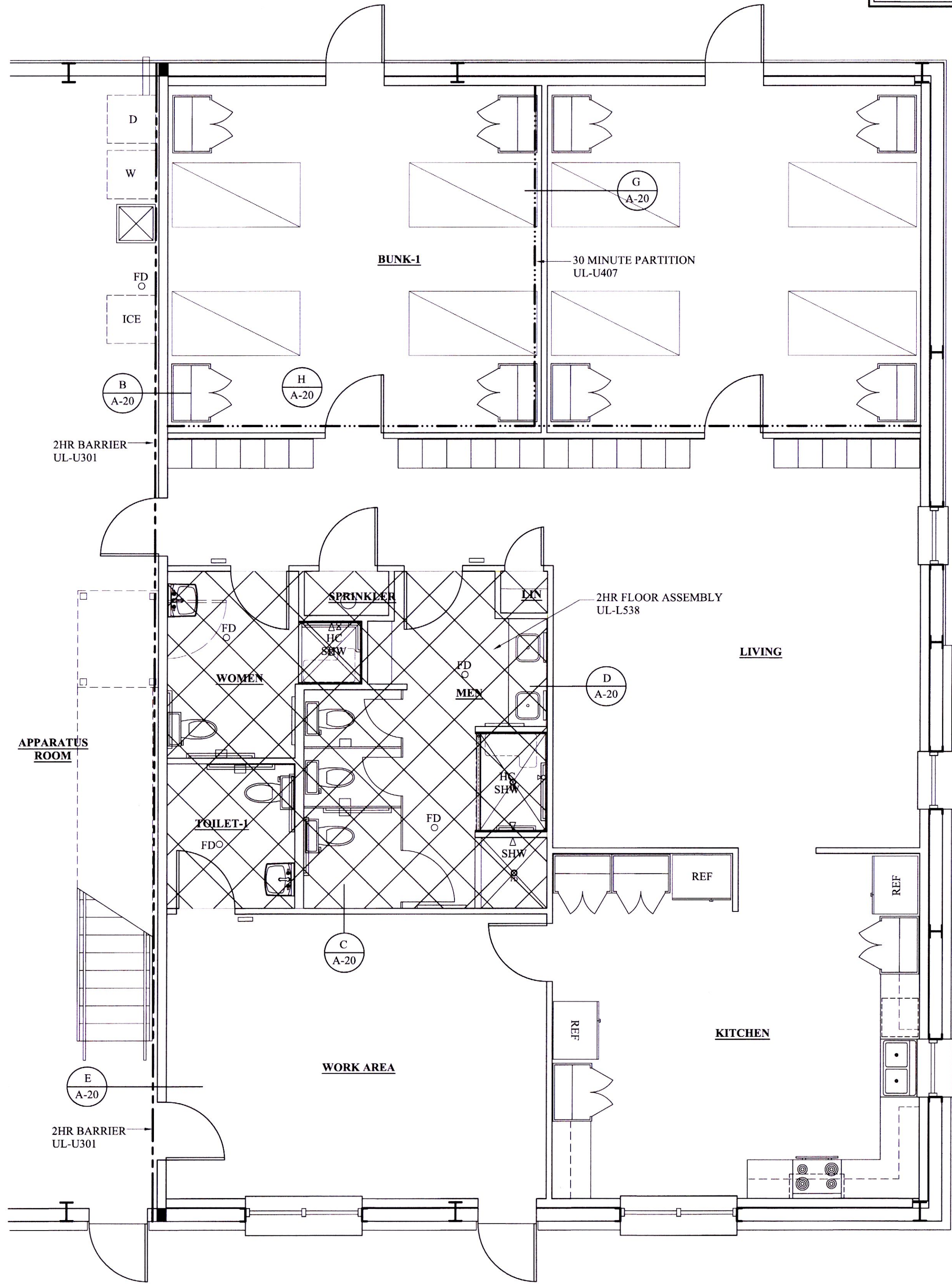
JOSEPH F. SCHNEIDER JR., AIA
 ARCHITECT
 L.A. #4206 MS #3020 AL #8724 FL #AR95908 TX #24294
 105 EVANGELINE DRIVE, SLIDELL, LOUISIANA 70460
 (985) 290-6648
 jfsarchitect@charter.net

DRAWN
 H. SCHNEIDER
 CHECKED
 J. SCHNEIDER
 DATE
 03/20/2024
 SCALE
 AS NOTED
 JOB NO.

SHEET
A-3A
 OF SHEETS

LEGEND

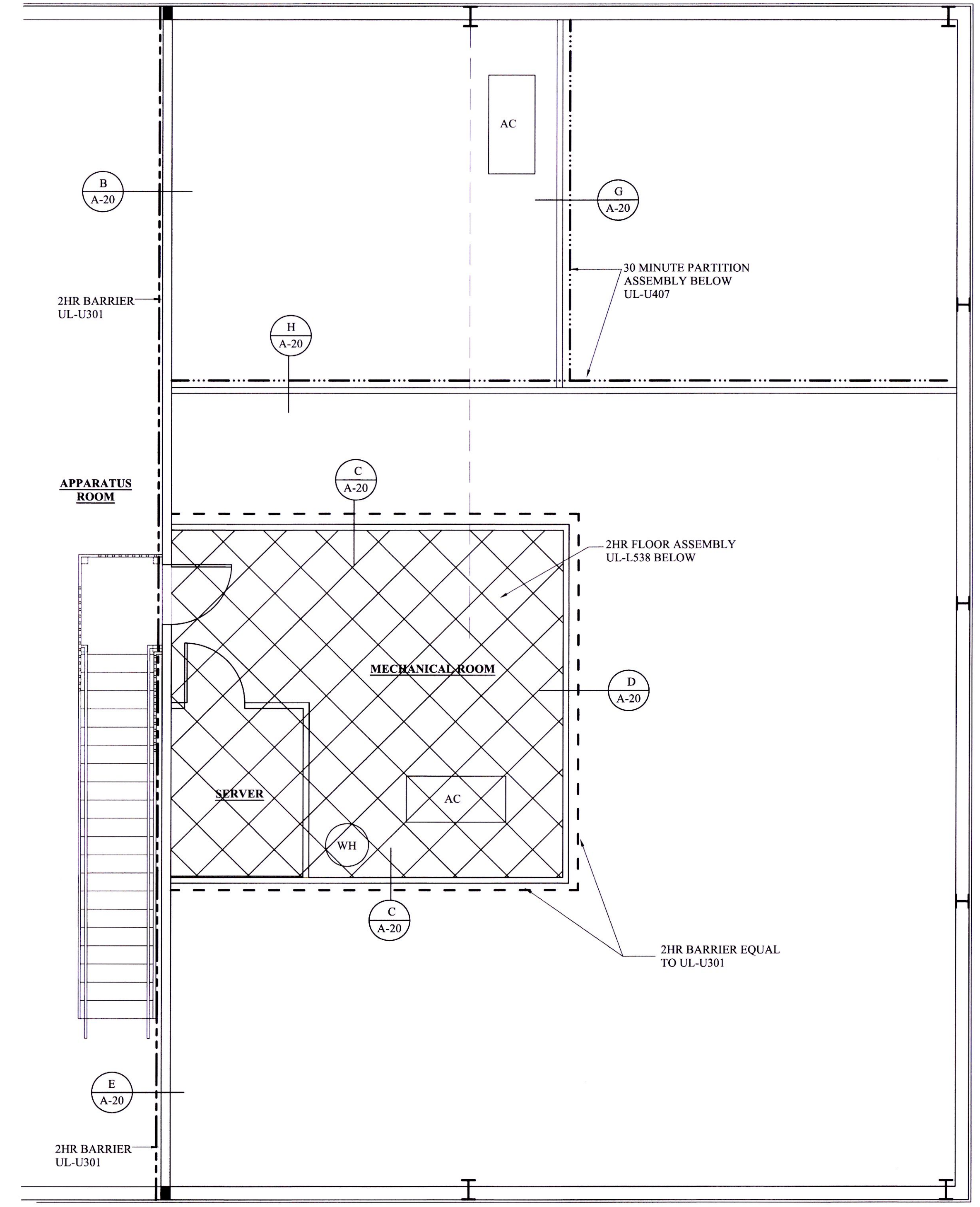
-----	= 2 HR BARRIER UL-U301
-----	= 30 MINUTE PARTITION UL-U407
-----	= 2 HR BARRIER EQUAL TO UL-301



FLOOR PLAN - FIRE BARRIERS/ PARTITIONS

SCALE: 1/4"= 1'-0"
 BASE BID & BID ALTERNATE NO. 1 & NO. 2

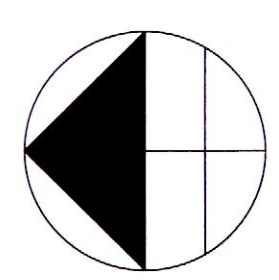
A-3A



FLOOR PLAN ATTIC /MECHANICAL - FIRE BARRIERS/ PARTITIONS

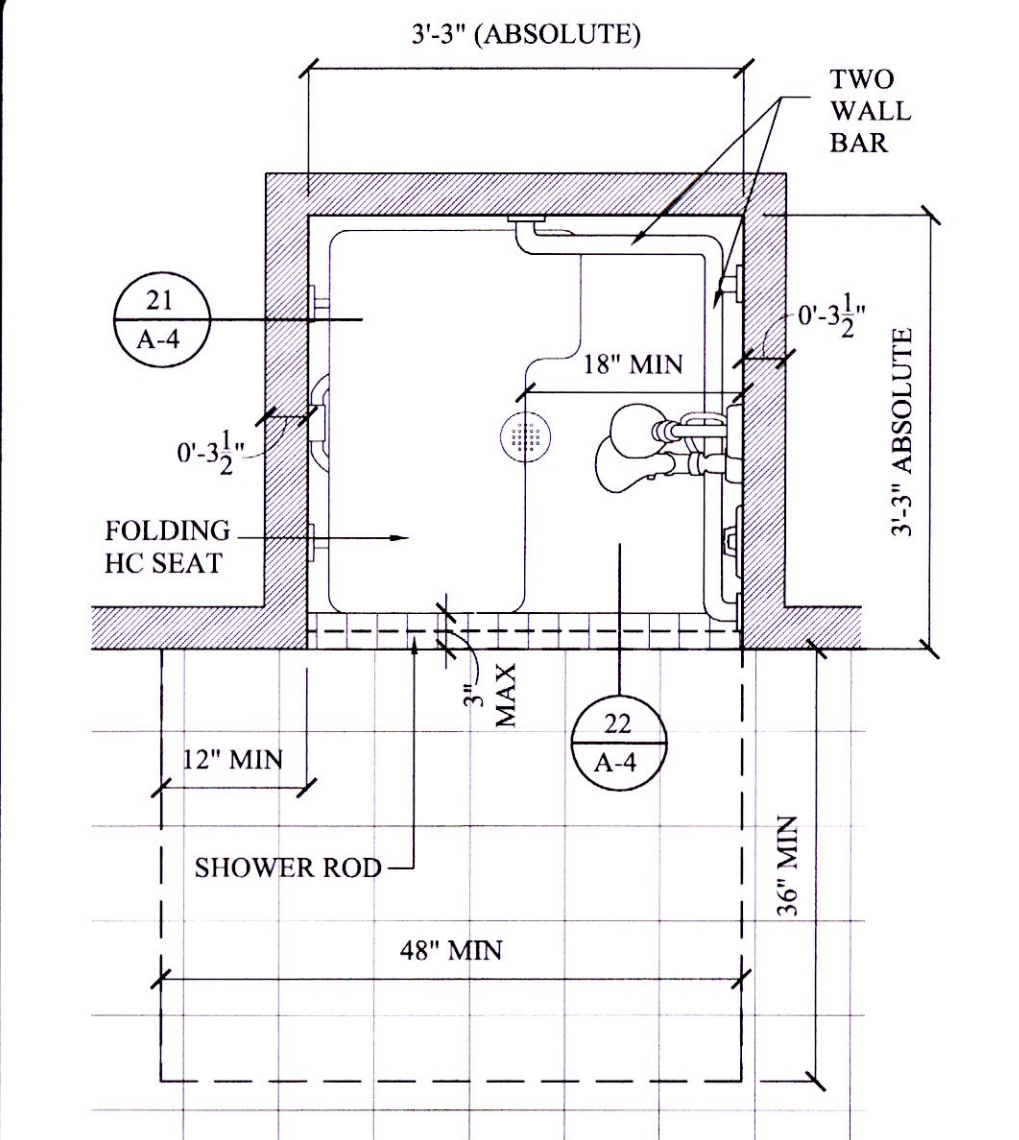
SCALE: 1/4"= 1'-0"
 BASE BID & BID ALTERNATE NO. 1 & NO.2

A-3A

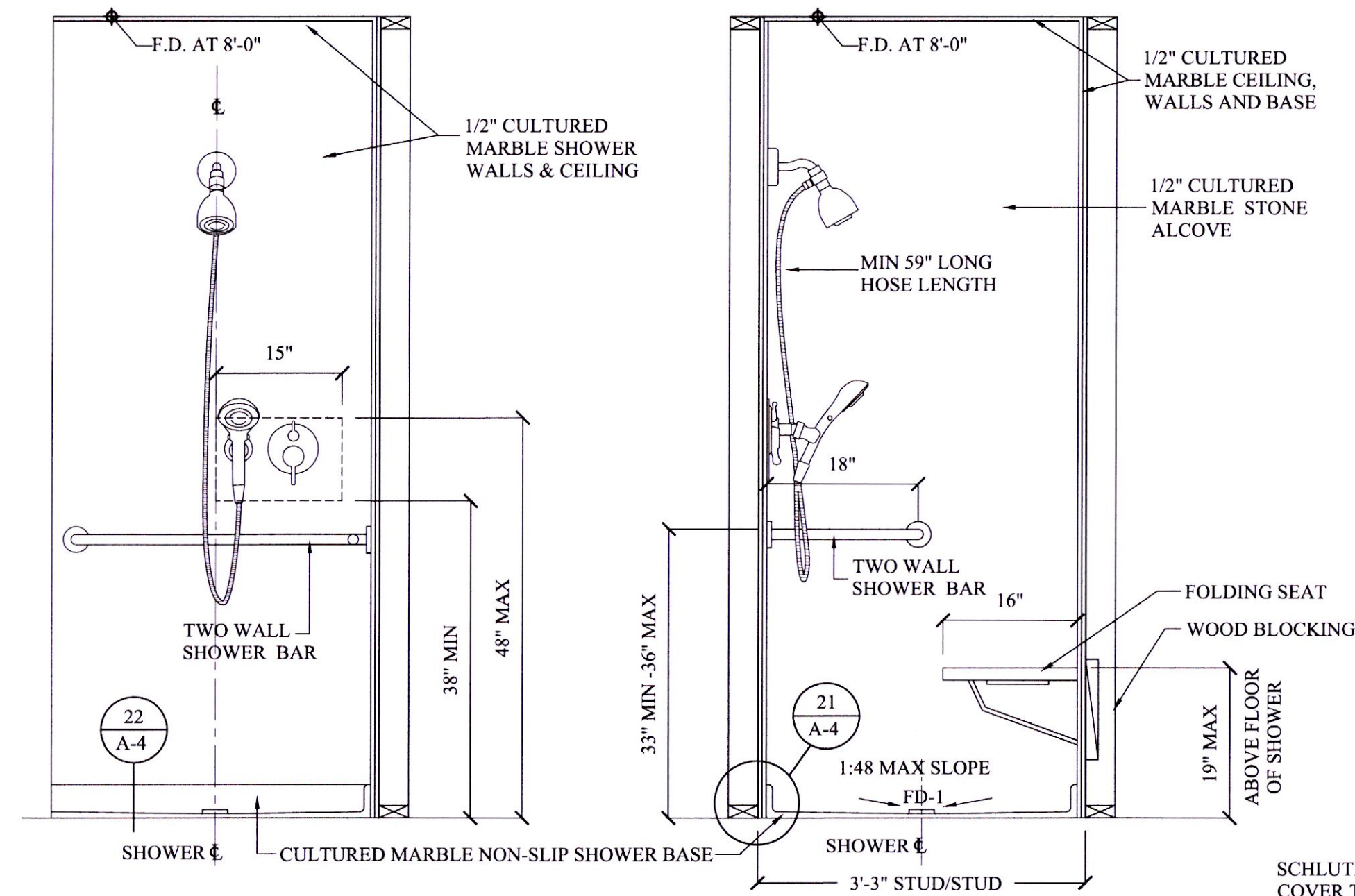


REVIEWED FOR
 STATE FIRE MARSHAL
 AS PER REVIEW LETTER
 BY WILLIAM D. JONES, ARCHITECT, CBO
William D. Jones

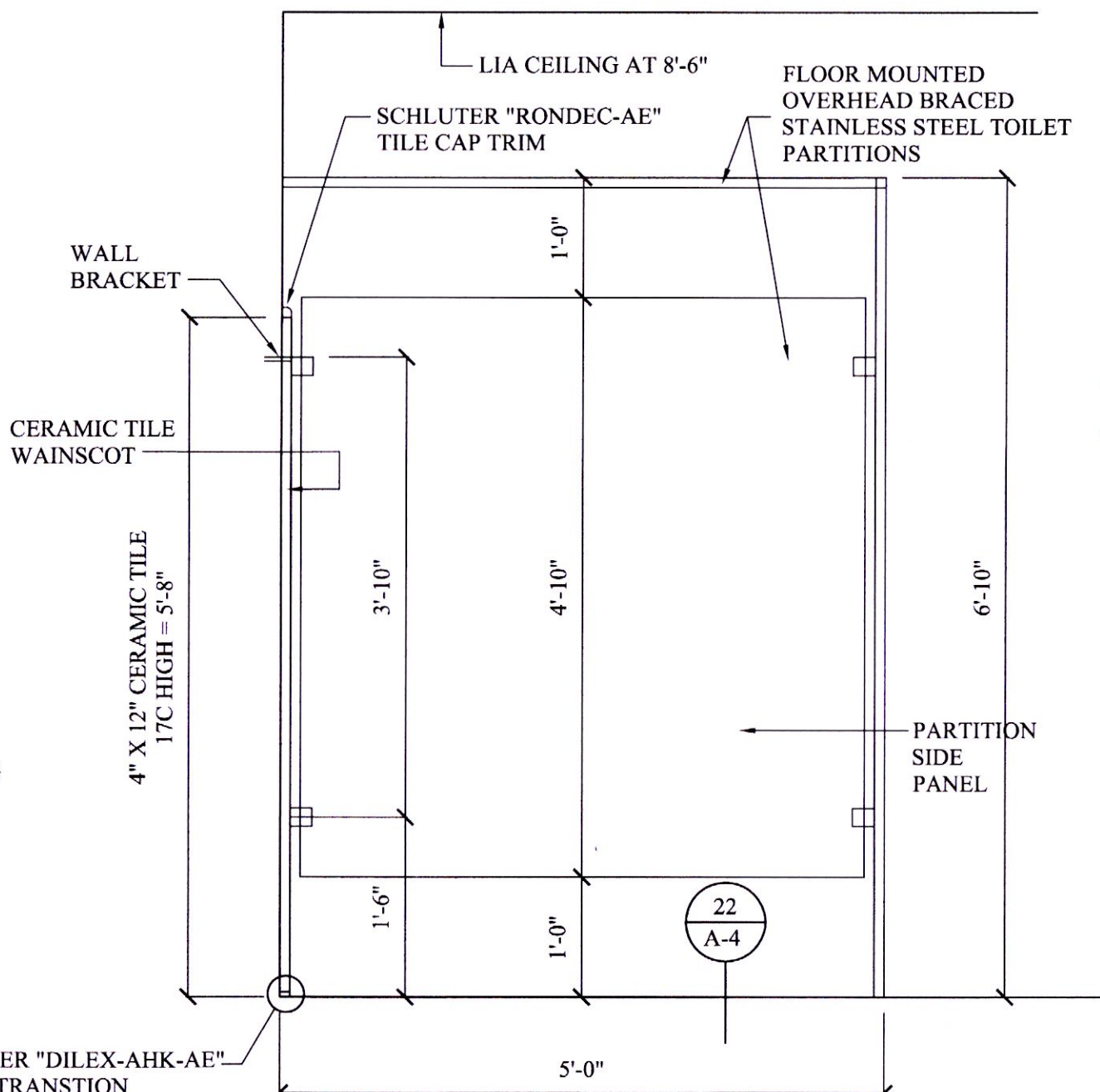
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TRANSFER SHOWER COMPARTMENT & CLEARANCE
(WOMEN TOILET ROOM)



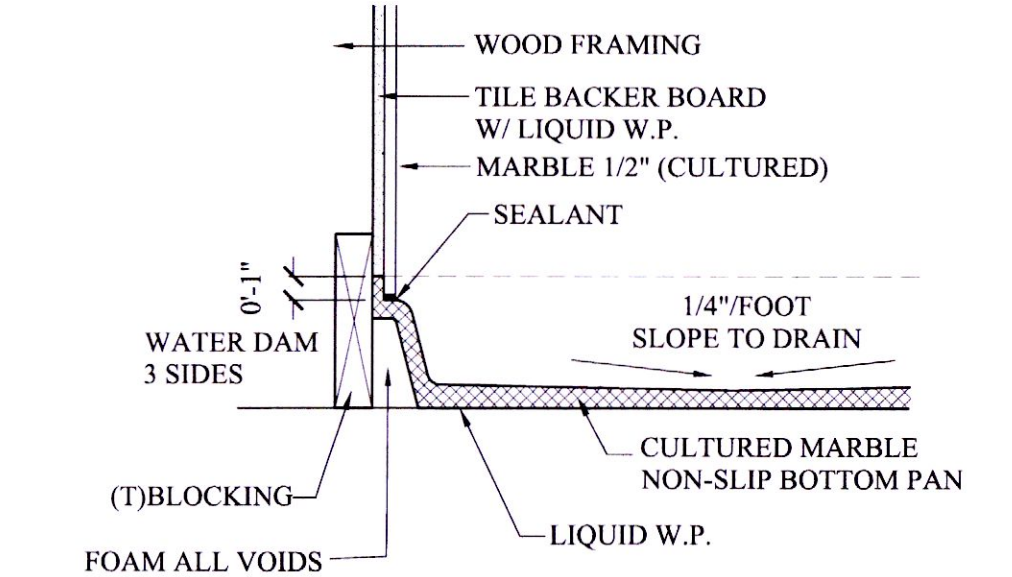
TRANSFER SHOWER AT WOMEN TOILET ROOM



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



TYP. SHOWER THRESHOLD

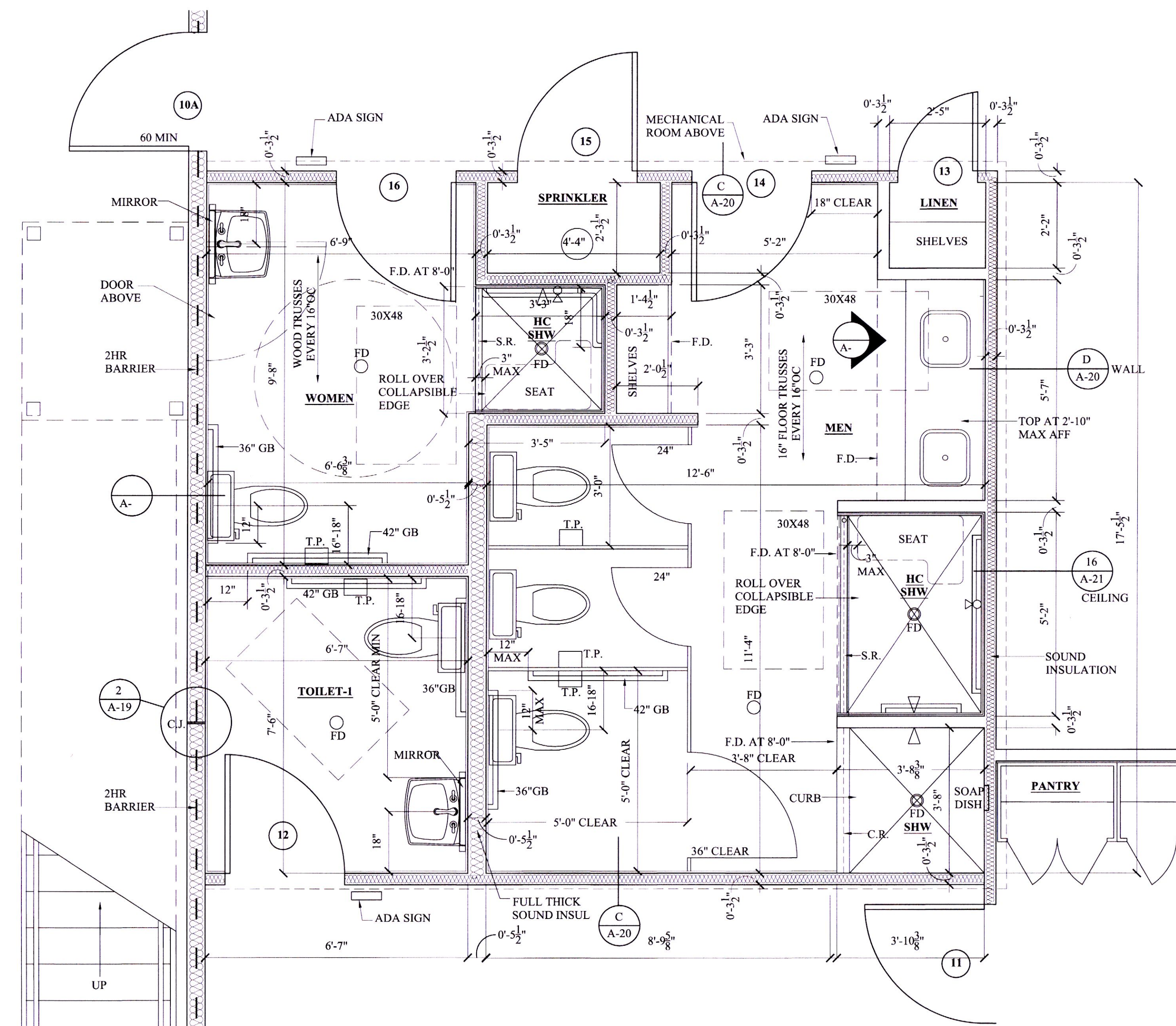


DETAIL - BASE SHOWER
SCALE: 1 1/2"=1'-0"

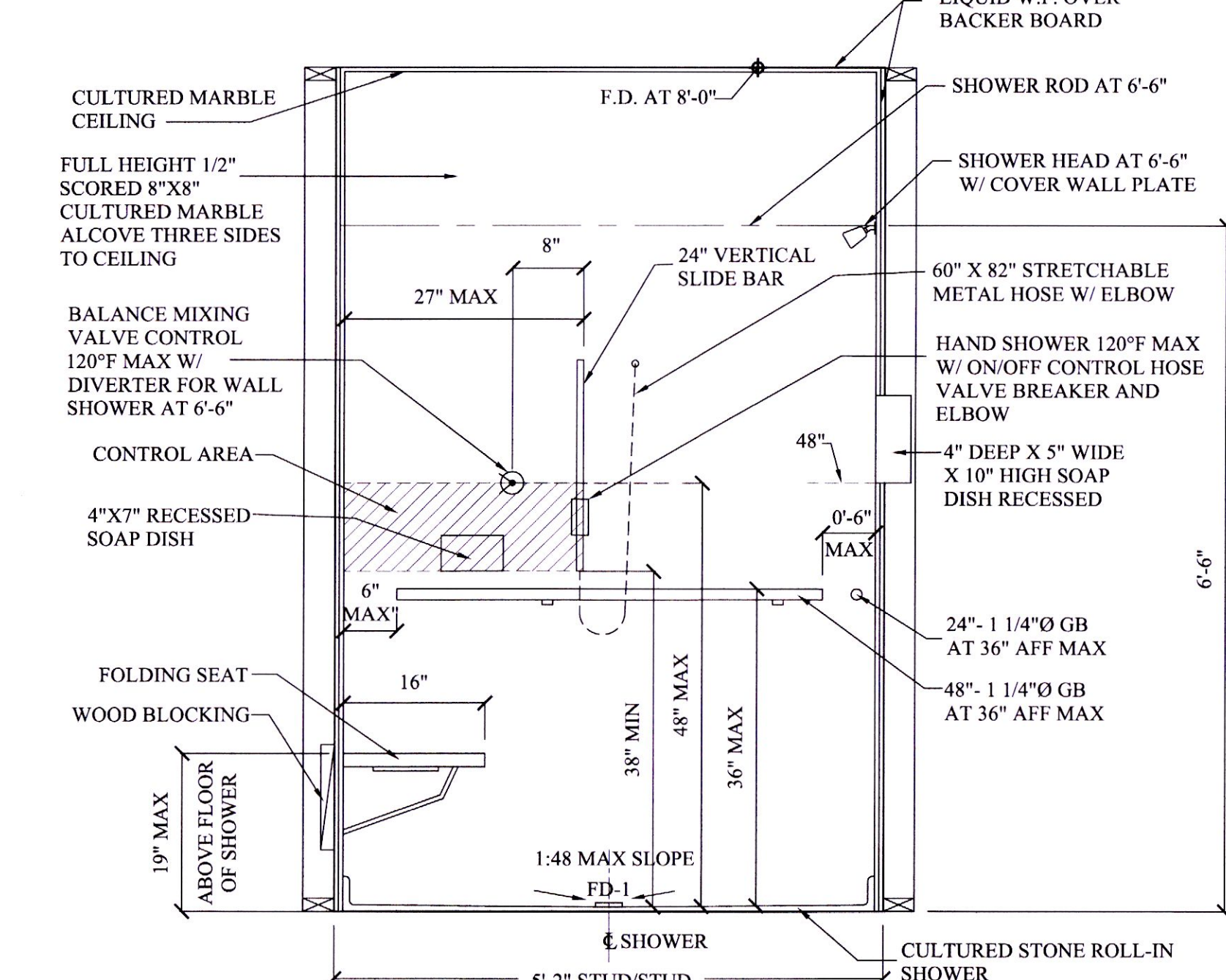
LIQUID WATER PROOFING MEMBRANE BEHIND ALL CULTURED MARBLE STONE SHOWERS ON WALLS, CEILINGS AND FLOORS SHALL BE EQUAL TO:

1. LATICRETE "HYDROBAN"
2. CUSTOM BLDG "REDGUARD"
3. USG "DUROCK" LIQUID WATERPROOFING MEMBRANE

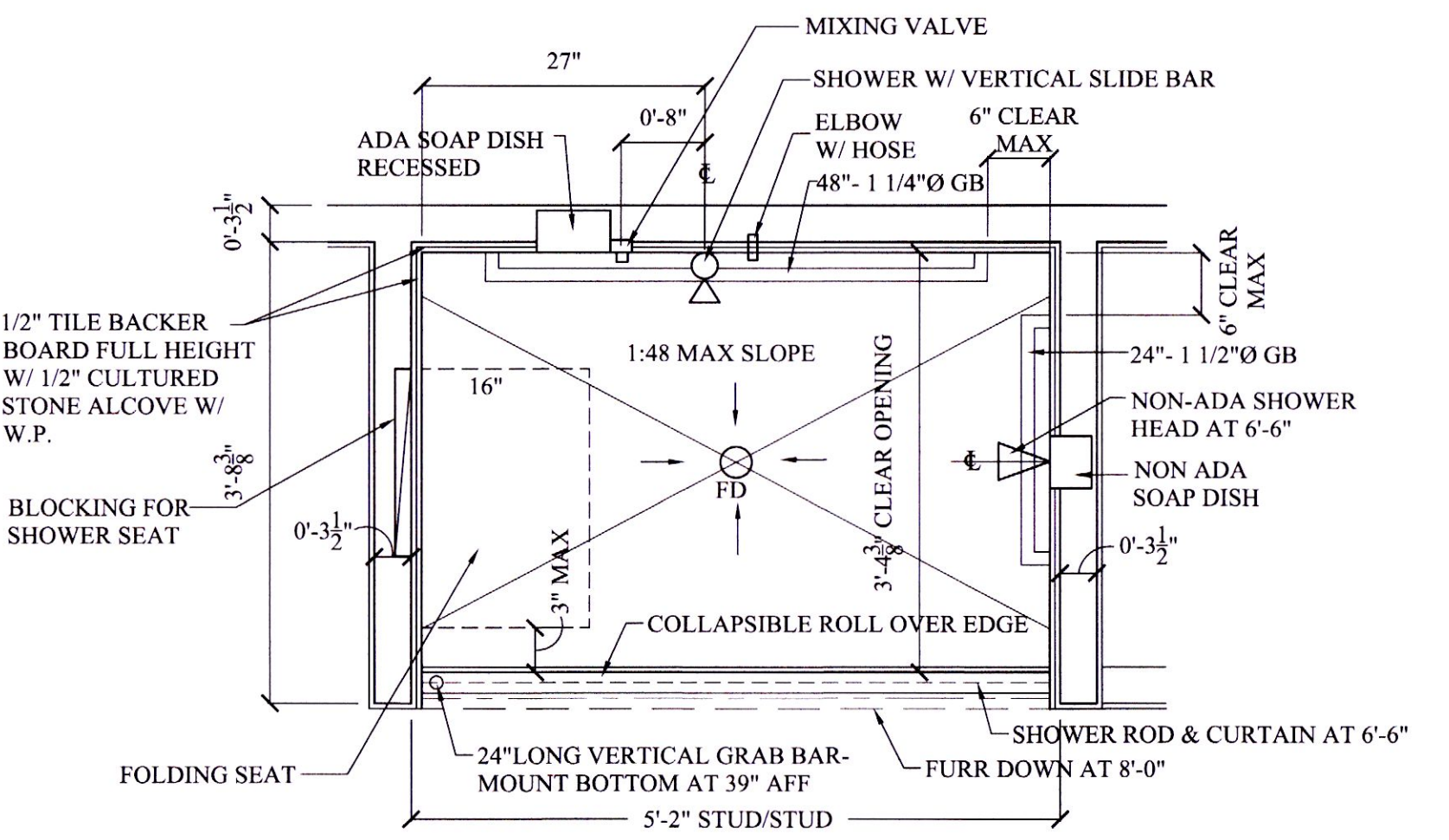
NOTE: ALL LIQUID WATER PROOFING MEMBRANES SHALL BE INSTALLED OVER TILE BACKER BOARDS ACCORDING TO MANUFACTURE'S SPECIFICATIONS AND RECOMMENDATIONS REGARDING WALL PREPARATIONS AND INSTALLATION LIQUID MEMBRANE THICKNESS.



FLOOR PLAN - BATHROOM BLOW-UP
SCALE: 1/2"=1'-0"



ROLL-IN SHOWER ELEVATION AT MEN TOILET ROOM



ROLL-IN SHOWER PLAN AT MEN TOILET ROOM

TOILET PARTITIONS AND ACCESSORIES

PARTITIONS:
EQUAL TO BRADLEY FLOOR MOUNTED OVERHEAD BRACED "MILLS" SERIES 400 STAINLESS STEEL 304 WITH BRUSHED FINISH. PROVIDE WITH "OCCUPIED AND UNOCCUPIED" DEVICE - SATIN BRUSHED FINISH. PROVIDE WITH STANDARD HINGLES, DOOR HARDWARE, BRACKERS & CORNERS.

TOILET TISSUE DISPENSER:
EQUAL TO BRADLEY MODEL NO. 5224 DUAL ROLL CONTROLLED. INSTALL ONE (1) EACH MEN'S TOILET STALL, ONE (1) AT TOILET ROOM-1, ONE (1) AT WOMEN'S TOILET ROOM.

NAPKIN DISPOSAL UNIT:
EQUAL TO BRADLEY STAINLESS STEEL MODEL NO. 4781-11 SURFACE MOUNTED. PROVIDE ONE (1) AT WOMEN'S TOILET.

MIRROR:
FOUR (4) AT NEW TOILET ROOMS - 2. EQUAL TO BRADLEY NO. 781 CHANNEL FRAMED MIRRORS- 18" X 24".

GRAB BARS:
EQUAL TO BRADLEY SERIES 812- 1/2 DIA. 18-GAUGE STAINLESS STEEL WITH #2 SAFETY GRIP FINISH. PROVIDE WITH CONCEALED MOUNTING FLANGES. CONFIGURATION SHALL BE "002" FOR 42" BARS AND "002" FOR 36" BAR. PROVIDE 36" LONG BARS AND 42" BARS WHERE INDICATED ON PLANTS AT MEN'S TOILET, WOMEN'S, TOILET, AND TOILET-1 WHERE INDICATED.

SHOWER CURTAINS:
EQUAL TO BRADLEY MODEL 9537 PROVIDE WITH RODS NO. 9539.
ONE (1) 5'-2"X72"
ONE (1) 44"X72"
ONE (1) 36"X72"
VERIFY ROD LENGTHS ON SITE.

TOWEL BAR:
EQUAL TO BRADLEY NO. 908 - 1" DIA. BAR 24" WIDTH. THREE (3) REQUIRED. TWO (2) AT MEN'S TOILET ROOM. ONE (1) AT WOMEN'S TOILET ROOM. VERIFY LOCATION WITH ARCHITECT.

TOWEL DISPENSER:
EQUAL TO BRADLEY MODEL NO. 2444-10. SEMI-RECESSED STAINLESS-STEEL UNIT. PROVIDE ONE (1) IN TOILET ROOM-1, TWO (2) AT MEN'S TOILET ROOM AND ONE (1) AT WOMEN'S TOILET.

SOAP DISPENSERS:
EQUAL TO BRADLEY MODEL NO. 6542 SURFACE MOUNTED HORIZONTAL STAINLESS-STEEL UNIT WITH CONCEALED MOUNTING. UNIT IS 40 OZ. LIQUID SOAP CAPACITY. PROVIDE TWO (2) AT MEN'S TOILET ROOM, ONE (1) AT TOILET ROOM-1, AND ONE (1) AT WOMEN'S TOILET.

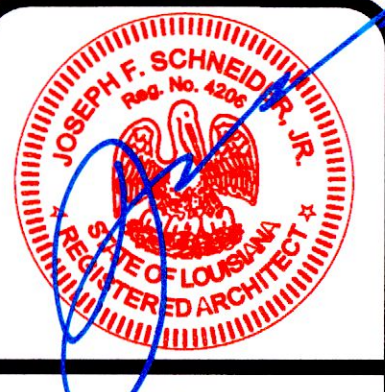
ACCESSORY NOTES:

1. PROVIDE ALL WOOD BLOCKING FOR ACCESSORIES AND PARTITIONS.
2. INSTALL ALL ACCESSORIES TO ADA MOUNTING HEIGHT REQUIREMENTS.

SIGNAGE: REFER TO ALLOWANCE SHEET A-8

REVIEWED FOR STATE FIRE MARSHAL AS PER REVIEW LETTER BY: WILLIAM D. JONES, ARCHITECT, CBO
William D. Jones

REVISIONS	BY

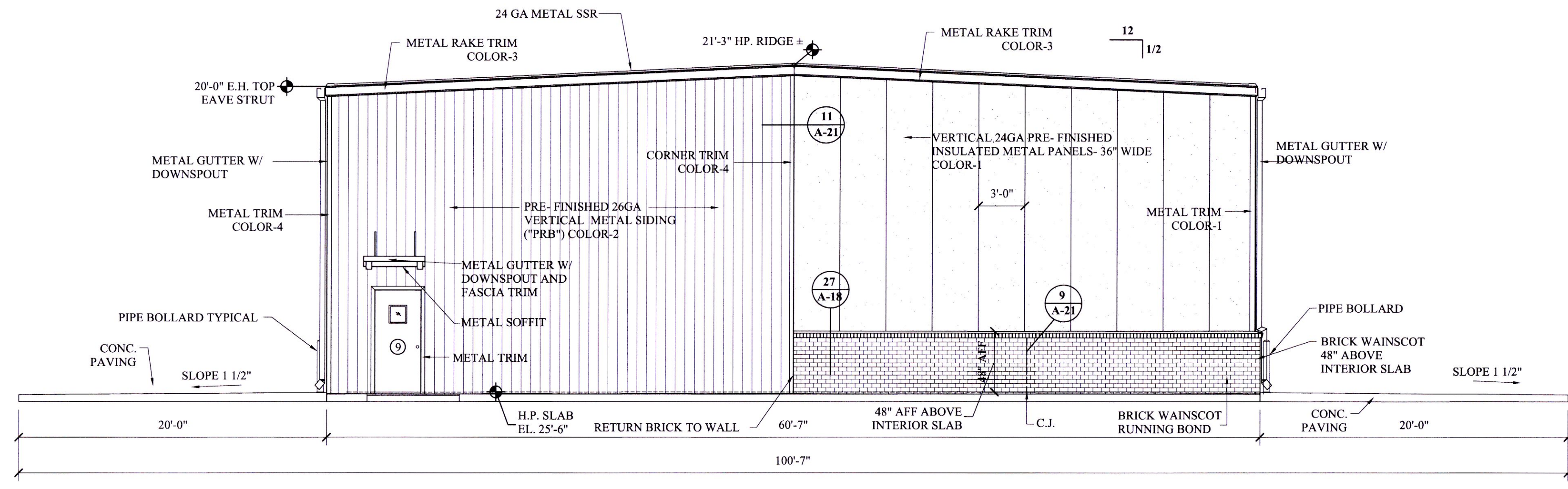


NEW FIRE FIRE STATION NO. 134 FOR
ST. TAMMANY FIRE DISTRICT NO. 13
425 LEEWARD LOOP ST. TAMMANY PARISH
COVINGTON, LOUISIANA 70433

JOSEPH F. SCHNEIDER JR., AIA
ARCHITECT
LA #4206 MS #3020 AL #8724 FL #AR05908 TX #24294
105 EVANGELINE DRIVE, SLIDELL, LOUISIANA 70460
(985) 290-6648
jfsarchitect@charter.net

DRAWN
H. SCHNEIDER
CHECKED
J. SCHNEIDER
DATE
03/20/2024
SCALE
AS NOTED
JOB NO.
SHEET
A-4
OF SHEETS

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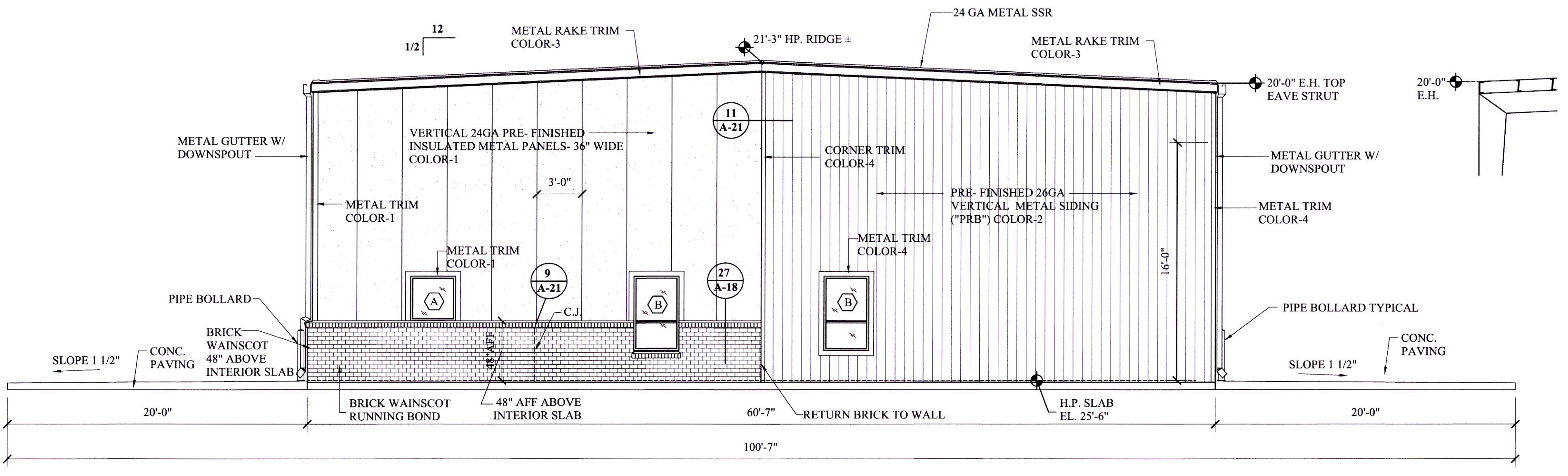


SIDE ELEVATION- BASE BID

SCALE: 3/16"= 1'-0"

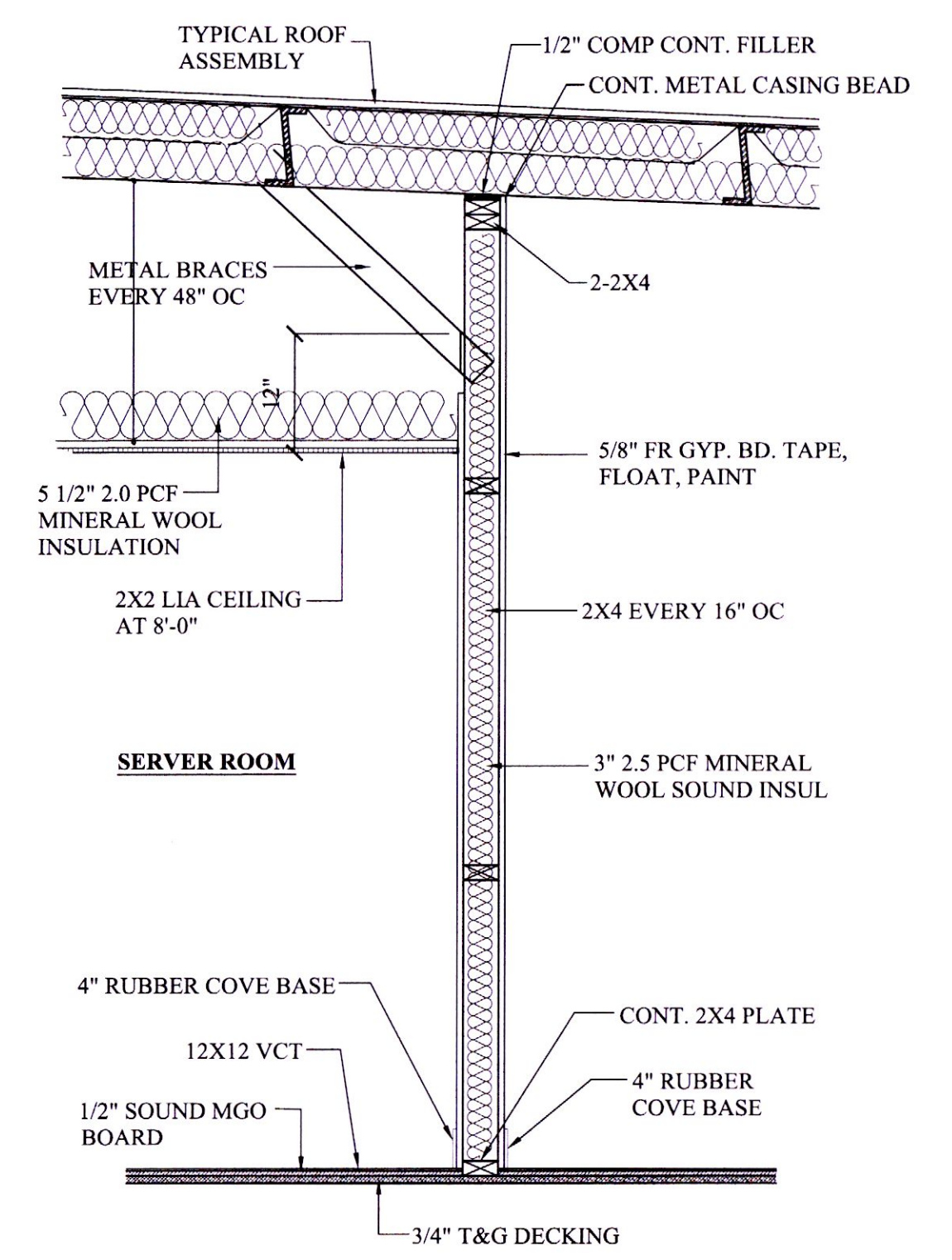
EXTERIOR METAL COLORS	
1. VERTICAL INSULATED METAL PANELS	COLOR-1
2. VERTICAL METAL "PBR" SIDING	COLOR-2
3. METAL GUTTERS & DOWNSPOUTS	COLOR-3
4. METAL TRIM AT VERTICAL INSULATED METAL PANELS, DOOR, WINDOWS	COLOR-1
5. RAKE TRIM AT SIDEWALLS	COLOR-3
6. METAL TRIM AT VERTICAL "PBR" SIDING	COLOR-4
7. METAL TRIM AT "PBR" WALLS, DOOR & WINDOW OPENINGS	COLOR-4
8. EXTERIOR SECTIONAL DOORS NO. 1, 2, 3, & 4	COLOR-5, COLOR-6

NOTE- METAL TRIM COLOR AT INSULATED WALL VERTICAL PANELS SHALL MATCH COLOR OF PANELS



SIDE ELEVATION- BASE BID

SCALE: 3/16"= 1'-0"

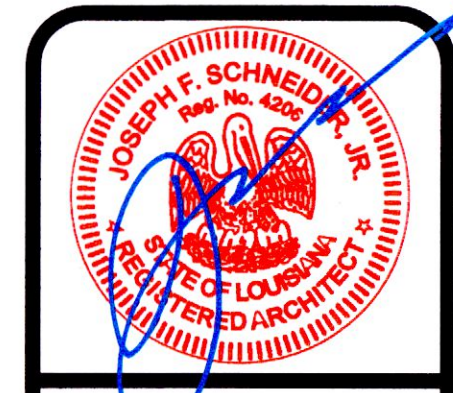


DETAIL-

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

C-1
A-5A

REVISIONS	BY



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L.A #4206 MS #3020 AL #8724 FL #AR95908 TX #24294
105 EVANGELINE DRIVE, SLIDELL, LOUISIANA 70460
(985) 290-6648 jfsarchitect@charter.net

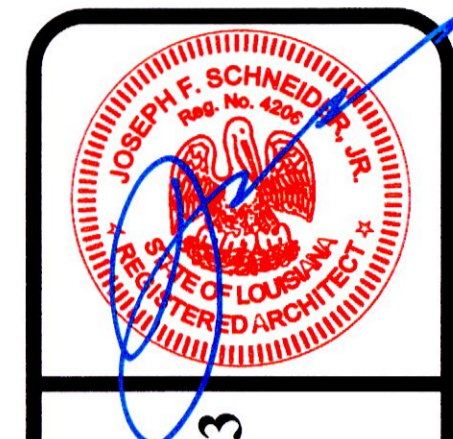
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CHECKED J. SCHNEIDER
DATE 03/20/2024
SCALE AS NOTED
JOB NO.

SHEET
A-5A
OF SHEETS

REVIEWED FOR
STATE FIRE MARSHAL
AS PER REVIEW LETTER
BY: WILLIAM D. JONES, ARCHITECT, CBO
William D. Jones

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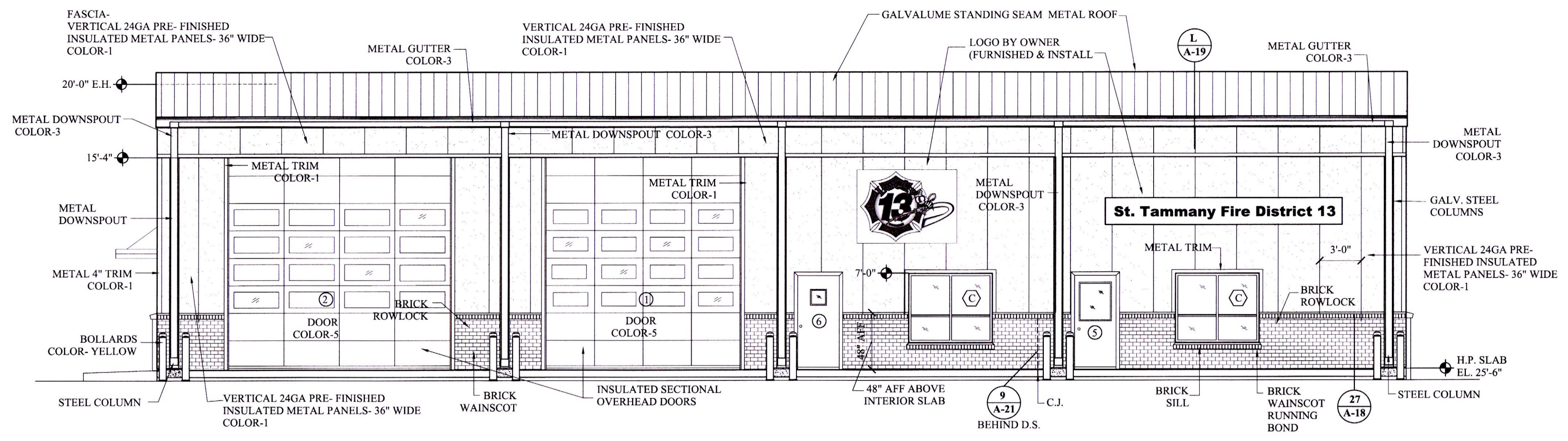
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 LA #4206 MS #3020 AL #8724 FL #AR95908 TX #24294
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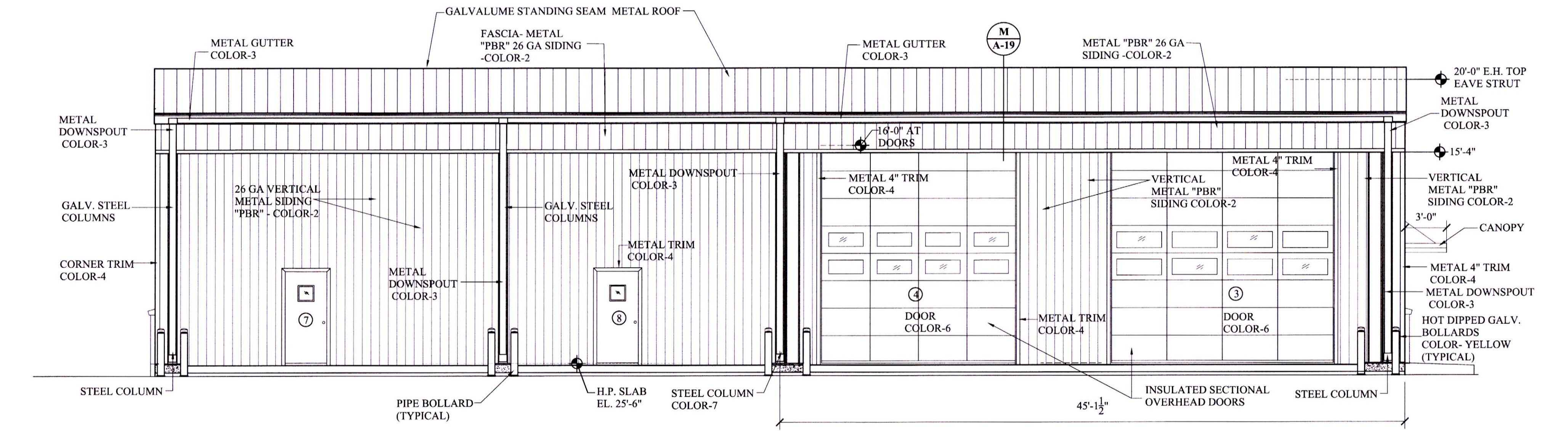
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SHEET	A-6
OF	SHEETS



FRONT ELEVATION- BID ALTERNATE #1 & ALTERNATE #2

SCALE: 3/16"= 1'-0"

EXTERIOR METAL COLORS	
1. VERTICAL INSULATED METAL PANELS	COLOR-1
2. VERTICAL METAL "PBR" SIDING	COLOR-2
3. METAL GUTTERS & DOWNSPOUTS	COLOR-3
4. METAL TRIM AT VERTICAL INSULATED METAL PANELS, DOOR, WINDOWS	COLOR-1
5. RAKE TRIM AT SIDEWALLS	COLOR-3
6. METAL TRIM AT VERTICAL "PBR" SIDING	COLOR-4
7. METAL TRIM AT "PBR" WALLS, DOOR & WINDOW OPENINGS	COLOR-4
8. EXTERIOR SECTIONAL DOORS	COLOR-5, COLOR-6
NOTE- METAL TRIM COLOR AT INSULATED WALL VERTICAL PANELS SHALL MATCH COLOR OF PANELS	



REAR ELEVATION- BID ALTERNATE #1 & ALTERNATE #2

SCALE: 3/16"= 1'-0"

"CF TUFF-WALL"- VERTICAL METAL INSULATED PANELS (IMP)

EQUAL TO EXTERIOR INSULATED METAL PANELS SHALL BE EQUAL TO NUCOR "METL-SPAN" "CF TUFF WALL" STUCCO EMBOSSED EXTERIOR WITH "PUR" 2 PCF FOAM CORE. IMP PANELS SHALL BE 2" THICK WITH "R" VALUE OF 17.5. PANEL WIDTH SHALL BE 36" WIDE.

EXTERIOR FACE SHALL BE MINIMUM 24 GA STUCCO EMBOSSED G-90 GALVANIZED STEEL WITH FACTORY APPLIED "TUFF COTE" HARD AGGREGATED, FIBER - REINFORCED POLYMER COATING. INTERIOR SHALL BE G-90 GALVANIZED 26 GA STEEL EMBOSSED FINISHED WITH LIGHT MESA NOMINAL 1 1/16" DEEP FINISH.

PANELS SHALL BE OFF- SET DOUBLE TONGUE-AND-GROVE WITH EXTENDED METAL SHELF FOR POSITIVE FACE FLASHING. ALL FASTENINGS SHALL BE CONCEALED FASTENER AND CLIP CONCEALED IN THE SIDE JOINTS. PANEL FASTENERS AND WALL FRAMING SHALL BE DESIGNED FOR THE WIND LOAD AS SPECIFIED.

PANELS SHALL HAVE CLASS-1 RATING WITH FLAME <25 AND SMOKE DEVELOPED <450 BY ASTM E84 TESTING.

COLOR OF EXTERIOR TUFF-COAT SHALL BE SELECTED FROM STANDARD RANGE OF "TUFF COTE" FIBER- REINFORCED POLYMER COATING. INTERIOR COLOR SHALL BE STANDARD COLOR RANGE TWO-COAT MODIFIED SILICONE- POLYESTER- COLOR SELECTED BY OWNER. ALL COLORS AND WALL PANELS SHALL CARRY MANUFACTURER'S TWO YEAR (2) LIMITED WARRANTY FEE FROM DEFECTS IN MATERIALS AND WORKMANSHIP BEING FROM DATE OF SUBSTANTIAL COMPLETION EXCLUDING COIL COATINGS (PAINT FINISHES) THAT ARE COVERED BY SEPARATE WARRANTY.

COLOR WARRANTY SHALL BE MANUFACTURER'S STANDARD LIMITED PRODUCT WARRANTY.

IMP SHALL BE DESIGNED TO WITHSTAND INWARD AND OUTWARD WIND LOAD DESIGN PRESSURES IN ACCORDANCE WITH IBC-2021 WITH MAXIMUM DEFLECTION OF L/240 OF THE SPAN WITH NO EVIDENCE OF FAILURE.

ALL INSULATION SHALL BE IN ACCORDANCE WITH METL-SPAN SPECIFICATIONS AND RECOMMENDATIONS.

METAL-SPAN TUFF-WALL INSULATED WALL PANELS SHALL BE INSTALLED TO HORIZONTAL WALL GIRTS (MINIMUM 14 GA) WHERE WALL PANELS BACK INSULATED PANELS. WALL PANELS, CF36, SHALL BE INSTALLED WITH METHOD "FP-3" WITH L/240 DEFLECTION, FP-3 SYSTEM SHALL CONSIST OF SIDE JOINT CLIP AT T&G JOIST AND TWO (2) BLIND RIVETS EVERY 12" OC FOR 36" WIDE PANELS. METAL BUILDING MANUFACTURER SHALL PROVIDE HORIZONTAL WALL GIRT SPACING AS REQUIRED TO ACCOMMODATE DEFLECTION AND WIND LOADING AS INDICATED ON PLANS, ASCE 7-16, AND IBC 2021 EDITION.

REVIEWED FOR
 STATE FIRE MARSHAL
 AS PER REVIEW LETTER
 BY WILLIAM D. JONES, ARCHITECT, CBO
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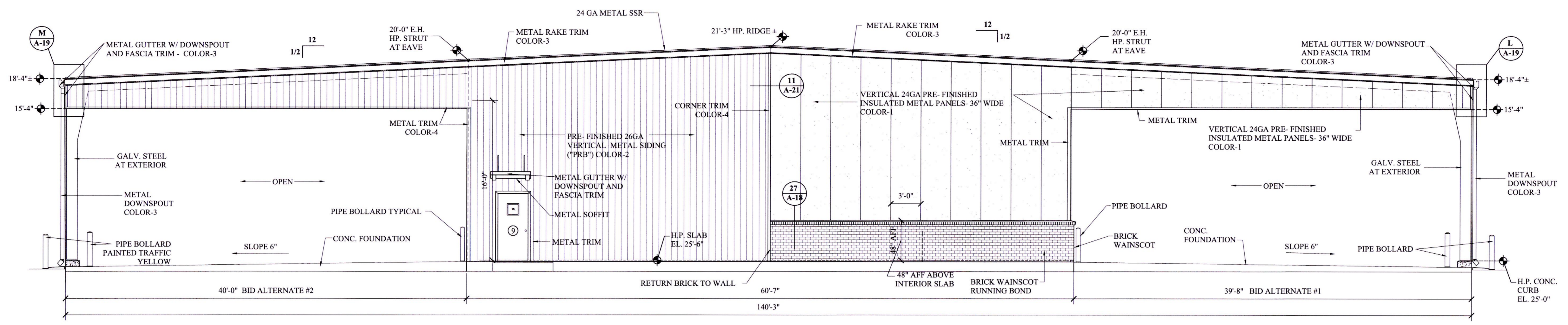


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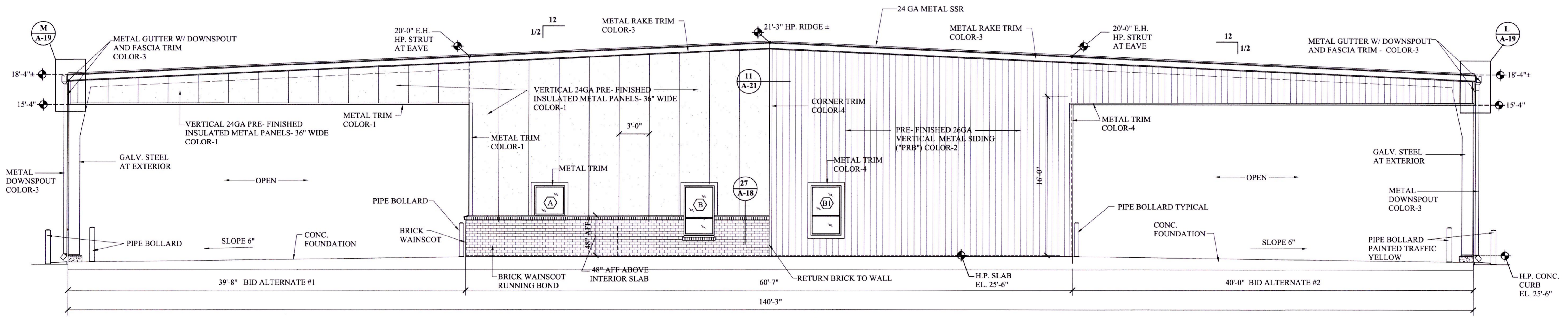
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 LA #4206 MS #3020 AL #8724 FL #AR95908 TX #24294
 105 EVANGELINE DRIVE, SLIDELL, LOUISIANA 70460
 (985) 290-6648 jfsarchitect@charter.net

DRAWN
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SIDE ELEVATION- BID ALTERNATE #1 & ALTERNATE #2
 SCALE: 3/16"= 1'-0"

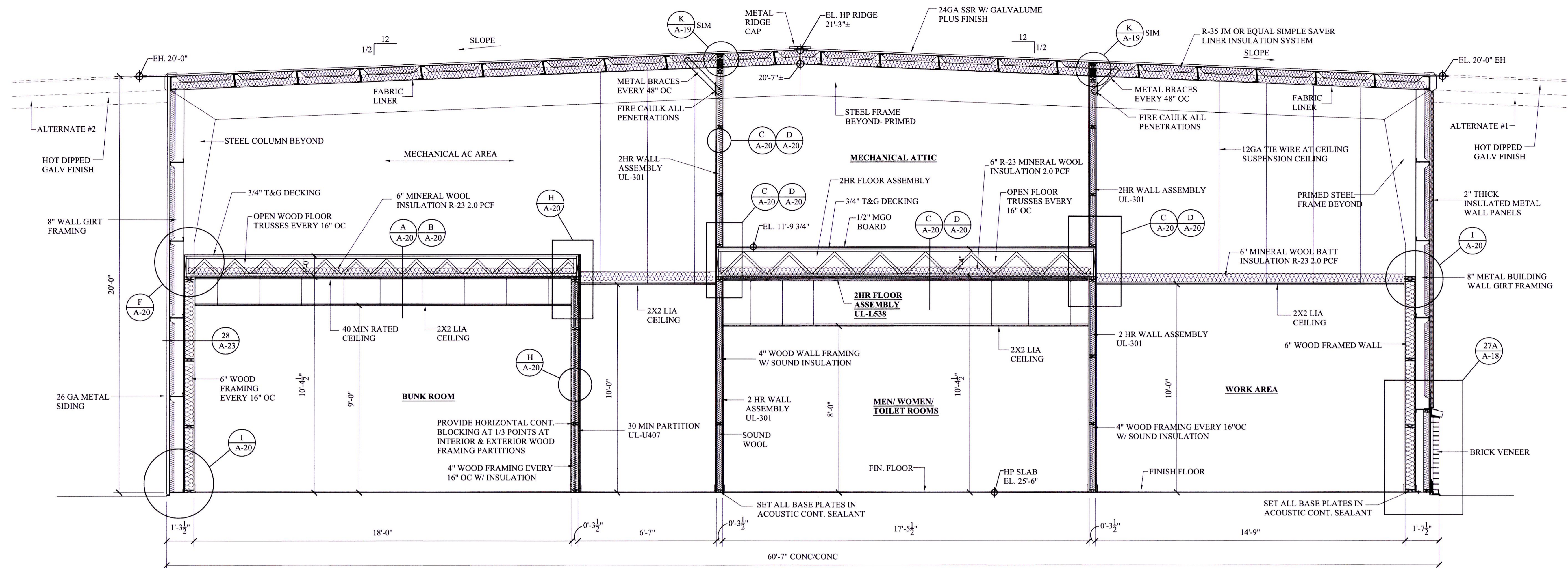


SIDE ELEVATION- BID ALTERNATE #1 & ALTERNATE #2
 SCALE: 3/16"= 1'-0"

EXTERIOR METAL COLORS	
1. VERTICAL INSULATED METAL PANELS	COLOR-1
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NOTE- METAL TRIM COLOR AT INSULATED WALL VERTICAL PANELS SHALL MATCH COLOR OF PANELS	

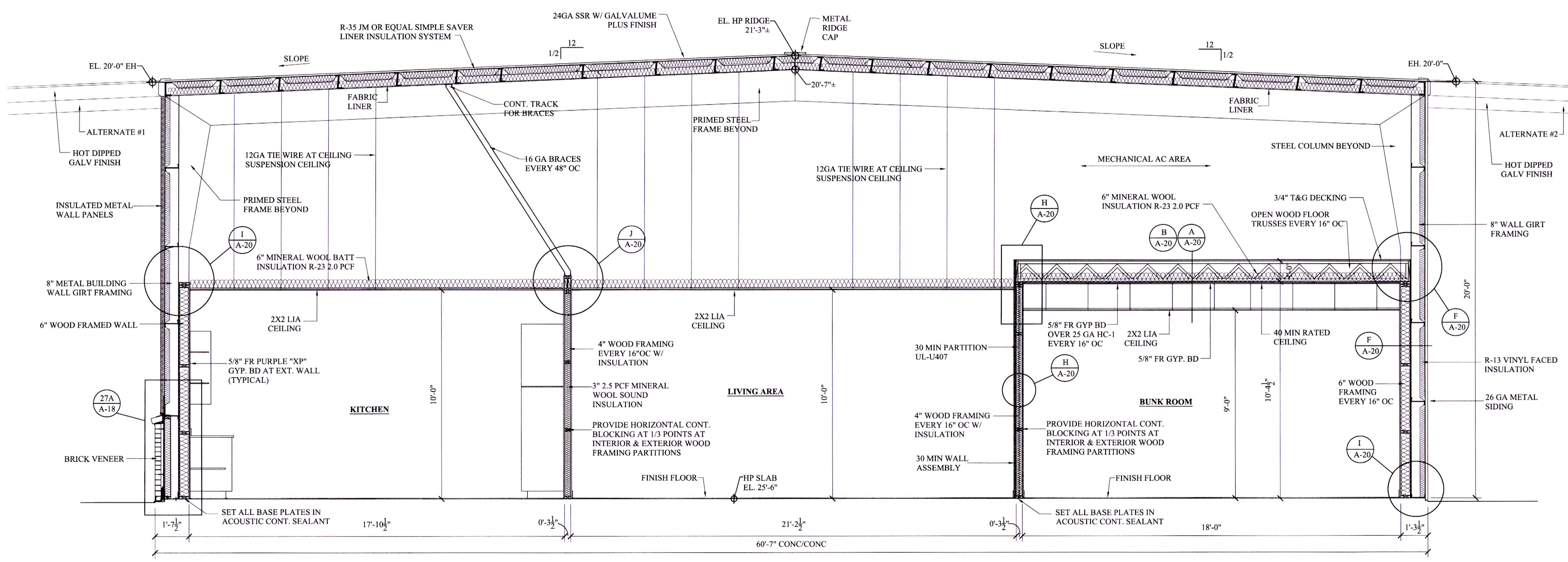
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SECTION
SCALE: 3/8"= 1'-0"

B-B
A-7



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

C-C
A-7

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ROOM FINISH SCHEDULE											
ROOM	FLOOR	BASE	WALLS				WAINSCOT	CEILING HT.	CEILING	TRIM	REMARKS
			NORTH	SOUTH	EAST	WEST					
WORK AREA	PORCELAIN TILE. FT-1	6" PORCELAIN TILE. BT-1	GYP. BD. PAINTED	GYP. BD. PAINTED	GYP. BD. PAINTED	GYP. BD. PAINTED	-----	10'-0"	LAY-IN ACOUSTIC 2X2/ LIA-1	-----	LEVEL-4 LIGHT ORANGE PEEL- LATEX EGGSHELL
KITCHEN	PORCELAIN TILE. FT-1	6" PORCELAIN TILE. BT-1	GYP. BD. PAINTED	GYP. BD. PAINTED	GYP. BD. PAINTED	GYP. BD. PAINTED	-----	10'-0"	LAY-IN ACOUSTIC 2X2/ LIA-1	-----	LEVEL-4 LIGHT ORANGE PEEL- LATEX EGGSHELL
TOILET -1	PORCELAIN TILE. FT-1	6" PORCELAIN TILE. BT-1	GYP. BD. PAINTED	GYP. BD. PAINTED	GYP. BD. PAINTED	GYP. BD. PAINTED	-----	8'-6"	LAY-IN ACOUSTIC 2X2/ LIA-1	-----	EPOXY PAINT GYP BD EGGSHELL LEVEL-4 LIGHT ORANGE PEEL
BUNK-1, BUNK-2	PORCELAIN TILE. FT-1	6" PORCELAIN TILE. BT-1	GYP. BD. PAINTED	GYP. BD. PAINTED	GYP. BD. PAINTED	GYP. BD. PAINTED	-----	10'-0"	LAY-IN ACOUSTIC LIA-1	-----	LEVEL-4 LIGHT ORANGE PEEL- LATEX EGGSHELL
LIVING	PORCELAIN TILE. FT-1	6" PORCELAIN TILE. BT-1	GYP. BD. PAINTED	GYP. BD. PAINTED	GYP. BD. PAINTED	GYP. BD. PAINTED	-----	10'-0"	LAY-IN ACOUSTIC LIA-1	-----	LEVEL-4 LIGHT ORANGE PEEL- LATEX EGGSHELL
MEN TOILET	PORCELAIN TILE. FT-1	CERAMIC TILE. WT-1	GYP. BD. PAINTED/ CERAMIC TILE WT-1	GYP. BD. PAINTED/ CERAMIC TILE WT-1	GYP. BD. PAINTED/ CERAMIC TILE WT-1	GYP. BD. PAINTED/ CERAMIC TILE WT-1	WT-1 CERAMIC TILE AT 5'-8"± (17c TILE)	8'-6"	LAY-IN ACOUSTIC LIA-2	-----	EPOXY PAINT GYP BD (EXPOSED) EGGSHELL
SHOWERS	CULTURED MARBLE NON-SLIP	-----	CULTURED MARBLE	CULTURED MARBLE	CULTURED MARBLE	CULTURED MARBLE	-----	7'-6"	CULTURED MARBLE	-----	CULTURED STONE BASE, SIDES, CEILING OVER TILE BACKER BOARD
WOMEN TOILET	PORCELAIN TILE. FT-1	CERAMIC TILE. WT-1	GYP. BD. PAINTED/ CERAMIC TILE WT-1	GYP. BD. PAINTED/ CERAMIC TILE WT-1	GYP. BD. PAINTED/ CERAMIC TILE WT-1	GYP. BD. PAINTED/ CERAMIC TILE WT-1	WT-1 CERAMIC TILE AT 5'-8"± (17c TILE)	8'-6"	LAY-IN ACOUSTIC LIA-2	-----	EPOXY PAINT GYP BD (EXPOSED) EGGSHELL
SPRINKLER CLOSET	PORCELAIN TILE. FT-1	6" PORCELAIN TILE. BT-1	GYP. BD. PAINTED	GYP. BD. PAINTED	GYP. BD. PAINTED	GYP. BD. PAINTED	-----	8'-0"	GYP. BD. PAINTED (SMOOTH FINISH)	-----	PATCH ALL CEILING PENETRATIONS. INSTALL COLLARS ALL PIPE PENETRATIONS. LEVEL-4 LIGHT ORANGE PEEL, LATEX EGGSHELL
LINEN	PORCELAIN TILE. FT-1	6" PORCELAIN TILE. BT-1	GYP. BD. PAINTED	GYP. BD. PAINTED	GYP. BD. PAINTED	GYP. BD. PAINTED	-----	8'-0"	GYP. BD. PAINTED (SMOOTH FINISH)	-----	LEVEL-4 LIGHT ORANGE PEEL- LATEX EGGSHELL
LIVING	PORCELAIN TILE. FT-1	6" PORCELAIN TILE. BT-1	GYP. BD. PAINTED	GYP. BD. PAINTED	GYP. BD. PAINTED	GYP. BD. PAINTED	-----	10'-0"	LAY-IN ACOUSTIC LIA-1	-----	LEVEL-4 LIGHT ORANGE PEEL- LATEX EGGSHELL
APPARATUS ROOM	CONCRETE SEALED	-----	EXPOSED STRUCTURE	EXPOSED STRUCTURE	GYP. BD. PAINTED	EXPOSED STRUCTURE	-----	VARIES	EXPOSED STRUCTURE/ INSULATION	-----	EXPOSED PAINTED STEEL STRUCTURE. LEVEL-5 GYP BD FIN.- EPOXY PAINT SEMI GLOSS
2ND LEVEL MECHANICAL	12" X 12" VCT	4" RUBBER COVE	GYP. BD. PAINTED	GYP. BD. PAINTED	GYP. BD. PAINTED	GYP. BD. PAINTED	-----	VARIES	EXPOSED STRUCTURE/ INSULATION	-----	EPOXY PAINT GYP BD - EGGSHELL LEVEL-4 LIGHT ORANGE PEEL
SERVER ROOM	12" X 12" VCT	4" RUBBER COVE	GYP. BD. PAINTED	GYP. BD. PAINTED	GYP. BD. PAINTED	GYP. BD. PAINTED	-----	8'-0"	LAY-IN ACOUSTIC LIA-3	-----	EPOXY PAINT GYP BD - EGGSHELL LEVEL-4 LIGHT ORANGE PEEL BOTH SIDES
PASSAGE	PORCELAIN TILE. FT-1	6" PORCELAIN TILE. BT-1	GYP. BD. PAINTED	GYP. BD. PAINTED	GYP. BD. PAINTED	GYP. BD. PAINTED	-----	10'-0"	LAY-IN ACOUSTIC LIA-1	-----	LEVEL-4 LIGHT ORANGE PEEL- LATEX EGGSHELL

DOOR SCHEDULE								
MARK	SIZE	DOOR	FRAME	ELEV.	HDW.	RATING	TRIM	REMARKS
1	14'-0"W X 16'-0" H	SECTIONAL ELECTRICAL INSULATED STEEL	STEEL	1	---	---	---	2" INSULATED STEEL SECTION DOOR W/ LITES. REFER TO DOOR DETAILS
2	16'-0"W X 16'-0" H	SECTIONAL ELECTRICAL INSULATED STEEL	STEEL	2	---	---	---	2" INSULATED STEEL SECTION DOOR W/ LITES. REFER TO DOOR DETAILS
3	16'-0"W X 16'-0" H	SECTIONAL ELECTRICAL INSULATED STEEL	STEEL	3	---	---	---	2" INSULATED STEEL SECTION DOOR W/ LITES. REFER TO DOOR DETAILS
4	14'-0"W X 16'-0" H	SECTIONAL ELECTRICAL INSULATED STEEL	STEEL	4	---	---	---	2" INSULATED STEEL SECTION DOOR W/ LITES. REFER TO DOOR DETAILS
5	1 3/4" X 3070	FLUSH HOLLOW METAL/ GLASS	HOLLOW METAL	5	1	---	---	FLUSH INSULATED HOLLOW METAL W/ GLASS LITE AND HOLLOW METAL FRAME
6, 7, 8, 9	1 3/4" X 3070	FLUSH HOLLOW METAL	HOLLOW METAL	6, 7, 8, 9	2	---	---	FLUSH INSULATED HOLLOW METAL W/ GLASS LITE AND HOLLOW METAL FRAME
10, 10A	1 3/4" X 3070	HOLLOW METAL	HM WRAP AROUND	10, 10A	3	90 MIN	---	FLUSH INSULATED HOLLOW METAL W/ GLASS LITE - 90 MINUTE ASSEMBLY
11, 14	1 3/4" X 3070	SOLID CORE PRE- FINISHED WOOD	HM WRAP AROUND	11, 14	4	---	---	SOLID CORE FLUSH PRE- FINISHED WOOD DOOR W/ WRAP AROUND HOLLOW METAL FRAME
12, 16	1 3/4" X 3070	SOLID CORE PRE- FINISHED WOOD	HM WRAP AROUND	12, 16	5	---	---	SOLID CORE FLUSH PRE- FINISHED WOOD DOOR W/ WRAP AROUND HOLLOW METAL FRAME
13	1 3/4" X 2070	SOLID CORE PRE- FINISHED WOOD	HM WRAP AROUND	13	6	---	---	SOLID CORE FLUSH PRE- FINISHED WOOD DOOR W/ WRAP AROUND HOLLOW METAL FRAME
15	1 3/4" X 3070	SOLID CORE PRE- FINISHED WOOD	HM WRAP AROUND	15	6	---	---	SOLID CORE FLUSH PRE- FINISHED WOOD DOOR W/ WRAP AROUND HOLLOW METAL FRAME
17,18	1 3/4" X 3070	SOLID CORE PRE- FINISHED WOOD	HM WRAP AROUND	17,18	4A	20 MIN	---	SOLID CORE FLUSH PRE- FINISHED WOOD DOOR W/ WRAP AROUND HOLLOW METAL FRAME
19	1 3/4" X 3070	HOLLOW METAL	HM WRAP AROUND	19	3A	90 MIN	---	FLUSH INSULATED HOLLOW METAL W/ HOLLOW METAL FRAME- 90 MIN ASSEMBLY
20	1 3/4" X 3070	FLUSH SOLID CORE WOOD BIRCH- PAINT FIN	HM WRAP AROUND	20	6	---	---	SOLID CORE 5-PLY PAINT GRAPE BIRCH DOOR W/ HOLLOW METAL FRAME

WINDOW SCHEDULE							
MARK	SIZE	FRAME	GLAZING	ELEV.	RATING	TRIM	REMARKS
A	3'-0" X 3'-0"	ALUMINUM	1 5/16" IMPACT	A	---	---	IMPACT ALUM FRAME AND GLAZING
B	3'-0" X 5'-0" HIGH	ALUMINUM	1 5/16" IMPACT	B	---	---	IMPACT ALUM FRAME AND GLAZING
C	6'-0" X 5'-0" HIGH	ALUMINUM	1 5/16" IMPACT	C	---	---	IMPACT ALUM FRAME AND GLAZING

TRIMS/ MOLDINGS

FT-1 (FLOOR TILE)- EQUAL TO MARAZZI "CHATEAU RESERVE" COLOR BODY PORCELAIN TILE WITH NON-SLIP "STEPWISE" 6" X 48" X 3/8" WITH 3/16" JOINTS. COLOR OF TILE AND MORTAR SELECTED BY OWNER.

BT-1 (BASE TRIM)- EQUAL TO MARAZZI "MODERN FORMATION" LIGHT POLISHED PORCELAIN 6" X 12" X 3/8" COVE BASE TILE WITH ROUNDED TOP EDGE. COLOR OF TILE AND MORTAR SELECTED BY OWNER. CAULK TRANSITION FROM BASE COVE TILE AND FLOOR TILE PER TCNA-2021 RECOMMENDATIONS.

WT-1 (WALL TILE) (MEN & WOMAN'S TOILET ROOM ONLY)- EQUAL TO MAZAZZI "MIDDLETON SQUARE" GLAZED CERAMIC WALL TILE 4" X 12" X 5/16". SET WITH STAGGERED JOINTS PATTERN WITH MIN. JOINT 1/16". COLOR OF TILE AND MORTAR SELECTED BY OWNER. TOP OF WALL TILE TRIM EQUAL TO SCHUTER "RONDEC". "AE" SATIN ANODIZED BULL NOSE FINISH/ PROFILE. TRIM TO BE ALUMINUM. TRANSITION FROM FLOOR TO WALL TILE SHALL BE SCHLUTER "DILEX-AHK" SATIN ANODIZED ALUMINUM (AE) COVE TRIM. PROVIDE ALL TRANSITION FOR INTERIOR AND EXTERIOR CORNERS.

PORCELAIN TILES & CERAMIC TILES: TOILET ROOMS, BUNK ROOMS, STORAGE, KITCHEN, DINING, WORK, & HALL SHALL BE TCNA METHOD ES-F115 WITH LATICRETE HYDROBAN FLOOR COATING, LATICRETE 254 PLATINUM MORTAR AND LATICRETE SPECTRALOCK 2000 IG GROUT- EPOXY GROUT COLOR SELECTED BY OWNER. WALL TILE AT MEN & WOMEN'S TOILET ROOMS SHALL BE INSTALLED TO TCNA ES-244 WITH LATICRETE 254 PLATINUM MORTAR AND LATICRETE SPECTRALOCK 2000 IG GROUT- COLOR SELECTED BY OWNER.

INSTALL ALL TILE WITH CONTROL AND EXPANSION JOINTS ES-EJ171 AS RECOMMENDED SPACING AND LOCATION RECOMMENDED BY LATEST EDITION OF TCNA-2021.

1. ALL FLOOR TILES SHALL BE "SLIPW1515" NON-SLIP.

2. ALL BACKING BEHIND SHOWERS SHALL BE HARDI TILE BACKER BOARD GYPSUM TILE BACKER BOARD, OR SCHLITZER BOARD WITH BONDED SYSTEM. ALL BOARD BEHIND WALL STILE SHALL BE HARDI CEMENT BOARD, DURLOCK, OR TILE BACKER GYPSUM BOARD. ALL OTHER GYPSUM BOARD NOT BACKING WALL TILES SHALL BE PURPLE "XP" GYP. BOARD. ALL BACKER BOARDS SHALL BE 5/8" THICK.

LAY-IN CEILINGS

LIA-1- EQUAL TO ARMSTRONG #1941 "ULTIMA" HIGH NRC 24"X24"X 7/8" WHITE REGULAR BEVEL EDGE TILE WITH 16216" ARMSTRONG "XL" (GALV. STEEL) PRELUDE SUSPENSION SYSTEM- WHITE COLOR FINISH. INSTALL 5 1/2", R-23 2.0 PCF UNFACED MINERAL WOOL BATT INSULATION ABOVE CEILING TILES.

LIA-2- EQUAL TO ARMSTRONG #607 CERMAGURAD #607 FINE FISSURED PERFORATED 24" X24" X 7/8" WHITE SQUARE EDGE TILE WITH WHITE FINISH. PROVIDE WITH 15/16" PRELUCE "XL" PLUS ALUMIMIM WHITE FRID SYSTEM.

LIA-3- EQUAL TO ARMSTRONG #868 CLEAN ROOM "VL" 24" X 24" X 5/8" SQUARE EDGE WHITE LAY-IN TILE WITH 15/16" ARMSTRONG RELUDE "XL" STEEL WHITE COLOR SUSPENSION SYSTEM (GALV STEEL). INSTALL 5 1/2" THICK, R-23, 2.0 PCF UNFACED MIENRAL WOOL BATT INSULATION ABOVE CEILING TILE.

NOTE: INSTALL ALL CEILING TILES AND SUSPENSION SYSTEMS ACCORDING TO MANUFACTURER'S RECOMMENDATIONS AND SPECIFICATIONS.

FINISH NOTES:

- VCT TILE EQUAL TO ARMSTRONG "IMPERIAL" 12" X 12" VINYL COMPOSITION TILE WITH 4" RUBBER COVE BASE. SUBMIT TILE AND BASE DATA AND COLOR SELECTION CHART FOR APPROVAL AND SELECTION.
- EPOXY PAINT, WHERE INDICATED SHALL BE EQUAL TO SHERWIN- WILLIAMS "PRE-INDUSTRIAL" ONE COMPONENT WATER BASED EPOXY PAINT. PROVIDE WITH EGGSHELL AND SEMI-GLOSS FINISH WHERE INDICATED ON PLANS.
- ALL INTERIOR GYPSUM BOARD AT LIVING AREAS SHALL BE LEVEL-4 LIGHT ORANGE PEEL FINISH.
- SHOWER CULTURED MARBLE COLOR SELECTED BY OWNER. MINIMUM THICKNESS 1/2" EQUAL TO STONE MANUFACTURED BY GULF STATES MARBLE LOCATED IN SLIDELL, LA OR APPROVED EQUAL.

REVIEWED FOR STATE FIRE MARSHAL AS PER REVIEW LETTER BY WILLIAM D. JONES, ARCHITECT, CSO
William D. Jones

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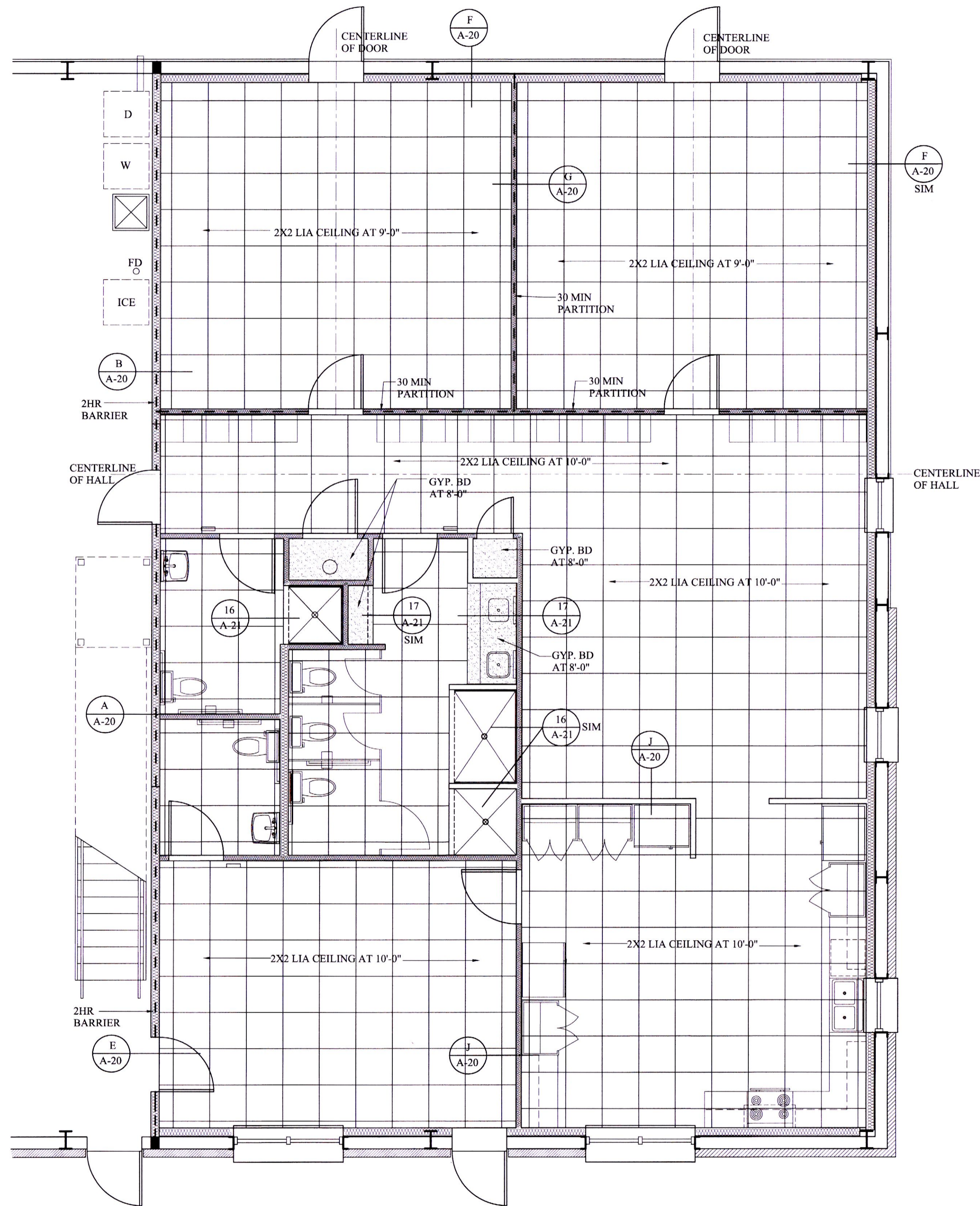
REVISIONS	BY



NEW FIRE FIRE STATION NO. 134 FOR
ST. TAMMANY FIRE DISTRICT NO. 13
 425 LEEWARD LOOP ST. TAMMANY PARISH
 COVINGTON, LOUISIANA 70433

JOSEPH F. SCHNEIDER JR., AIA
 ARCHITECT
 LA #4206 MS #3020 AL #8724 FL #AR95908 TX #24294
 105 EVANGELINE DRIVE, SLIDELL, LOUISIANA 70460
 (985) 290-6648
 jfsarchitect@charter.net

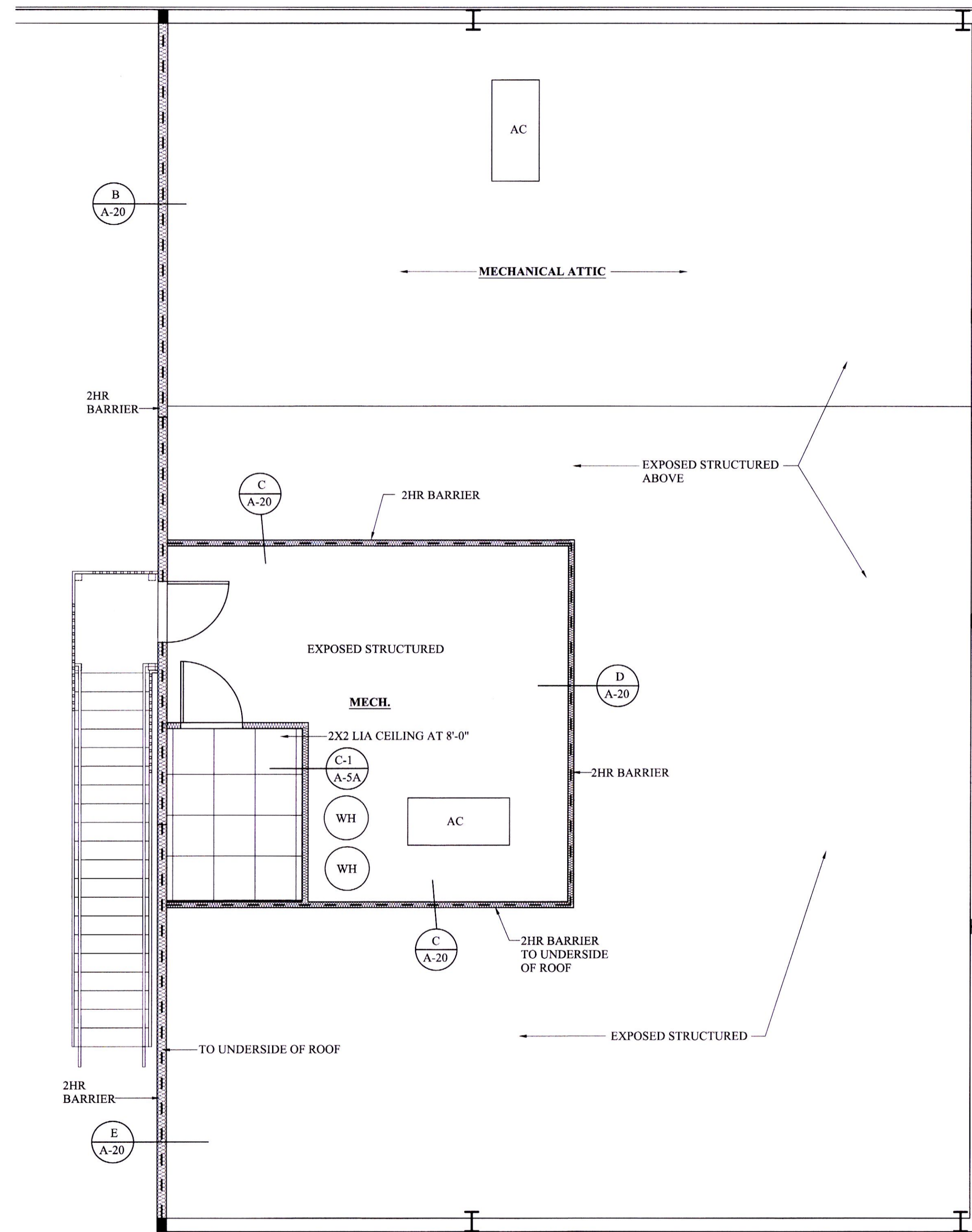
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 CHECKED
 J. SCHNEIDER
 DATE
 03/20/2024
 SCALE
 AS NOTED
 JOB NO.
 SHEET
A-8
 OF SHEETS



FLOOR PLAN - REFLECTIVE CEILING PLAN

SCALE: 1/4"= 1'-0"
 BASE BID & BID ALTERNATE NO. 1 & NO. 2

A-9



**FLOOR PLAN ATTIC - MECHANICAL
 REFLECTIVE CEILING PLAN**

SCALE: 1/4"= 1'-0"
 BASE BID & BID ALTERNATE NO. 1 & NO. 2

A-9

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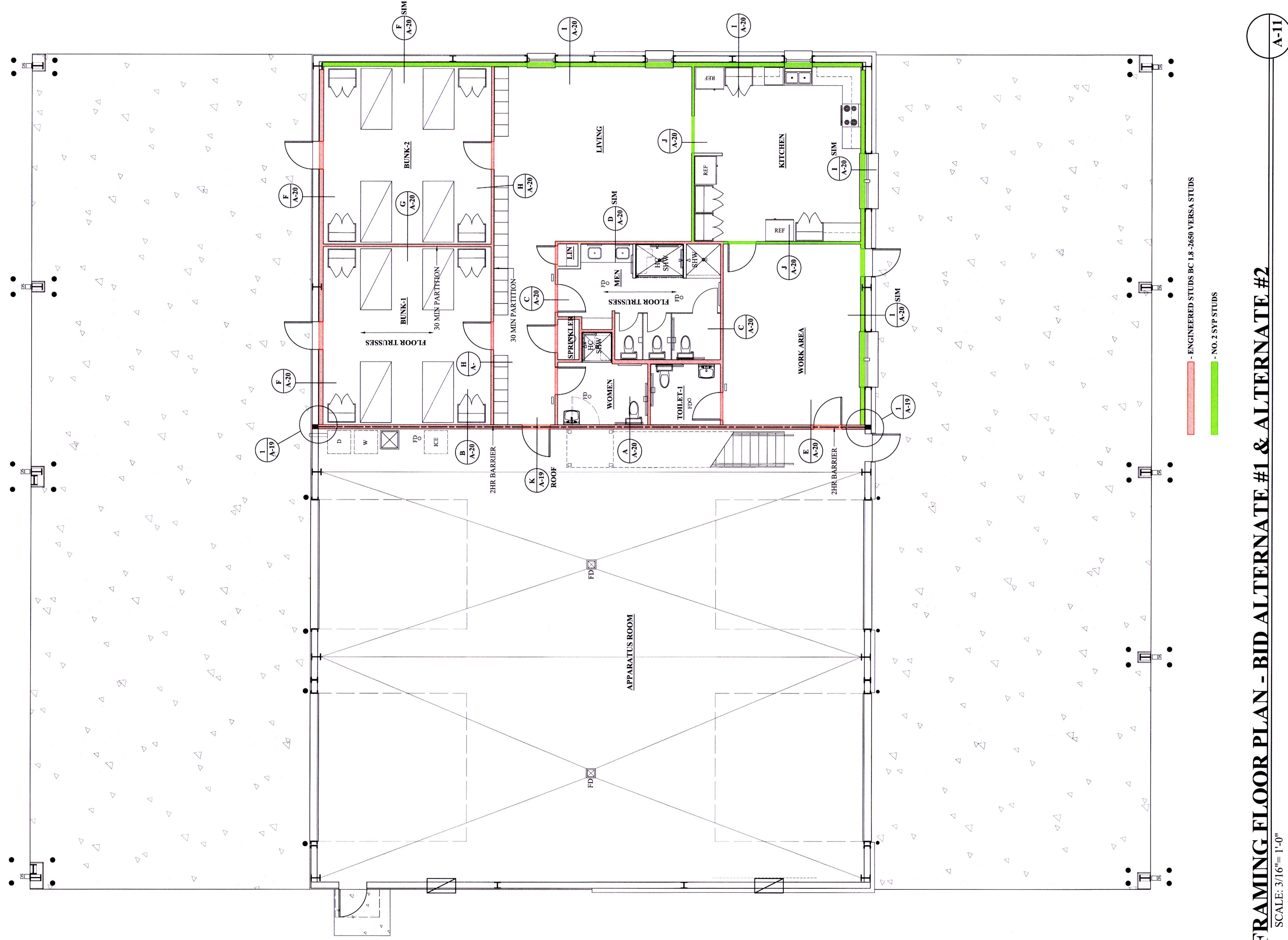


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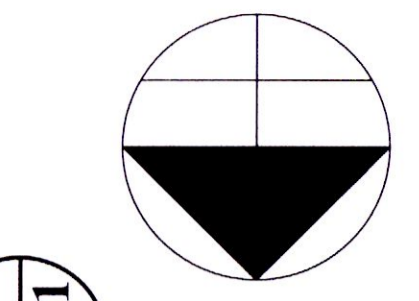
JOSEPH F. SCHNEIDER JR., AIA
 ARCHITECT
 L.A. #4206 MS #3020 AL #8724 FL #AR95908 TX #24294
 105 EVANGELINE DRIVE, SLIDELL, LOUISIANA 70460
 (985) 290-6648
 jfsarchitect@charter.net

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 H. SCHNEIDER
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WOOD FRAMING FLOOR PLAN - BID ALTERNATE #1 & ALTERNATE #2
 SCALE: 3/16" = 1'-0"



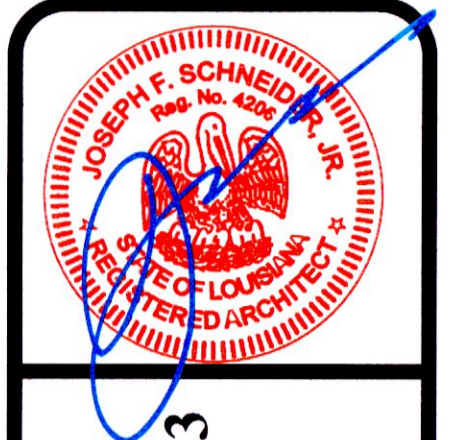
A-11

— ENGINEERED STUDS BC 1.8-2650 VERSA STUDS
 — NO. 2 SYP STUDS

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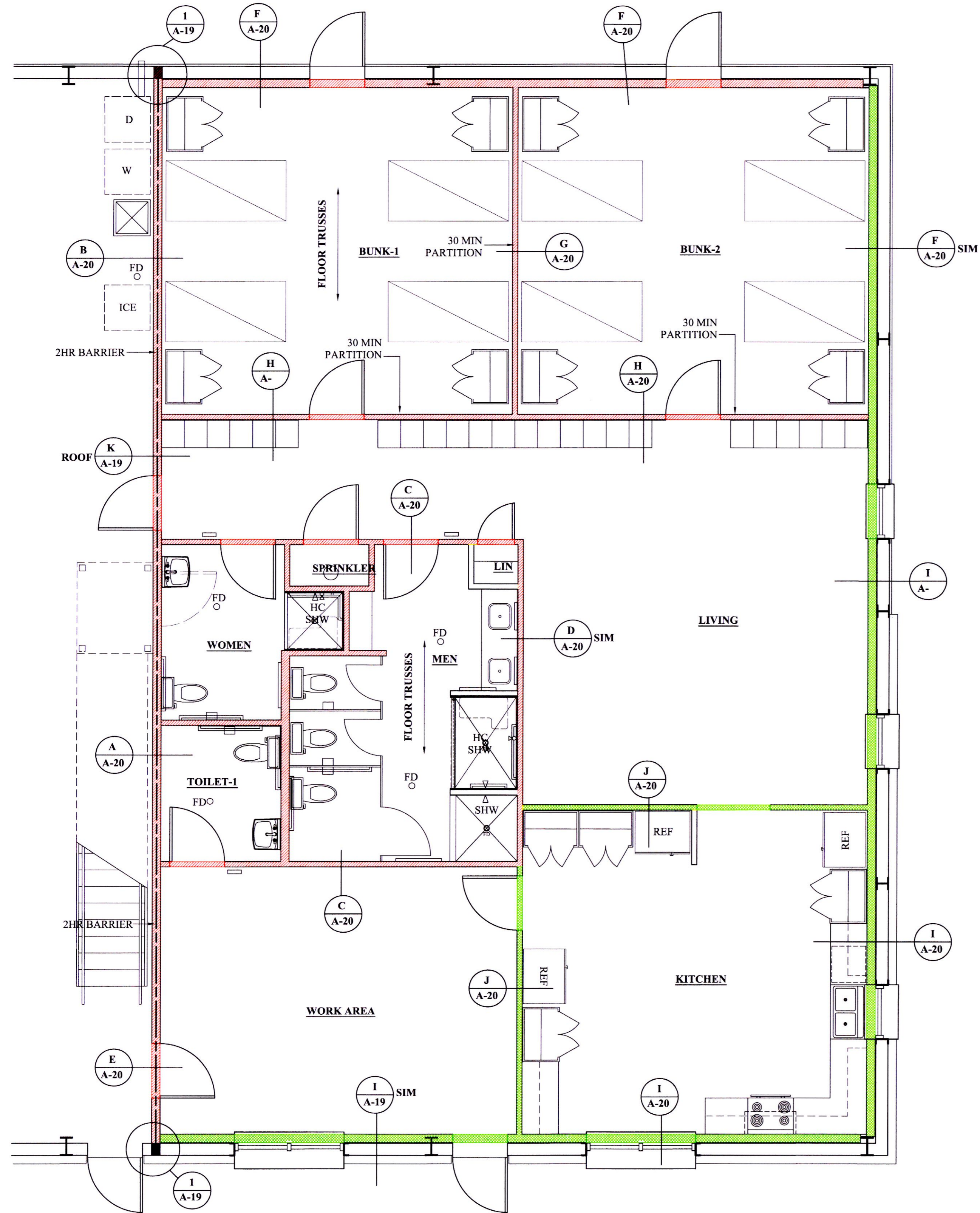


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 COVINGTON, LOUISIANA 70433

JOSEPH F. SCHNEIDER JR., AIA
 ARCHITECT
 LA #4206 MS #3020 TX #24294 FL #AR95908
 105 EVANGELINE DRIVE, SLIDELL, LOUISIANA 70460
 (985) 847-0714
 jfsarchitect@charter.net

DRAWN
 H. SCHNEIDER
 CHECKED
 J. SCHNEIDER
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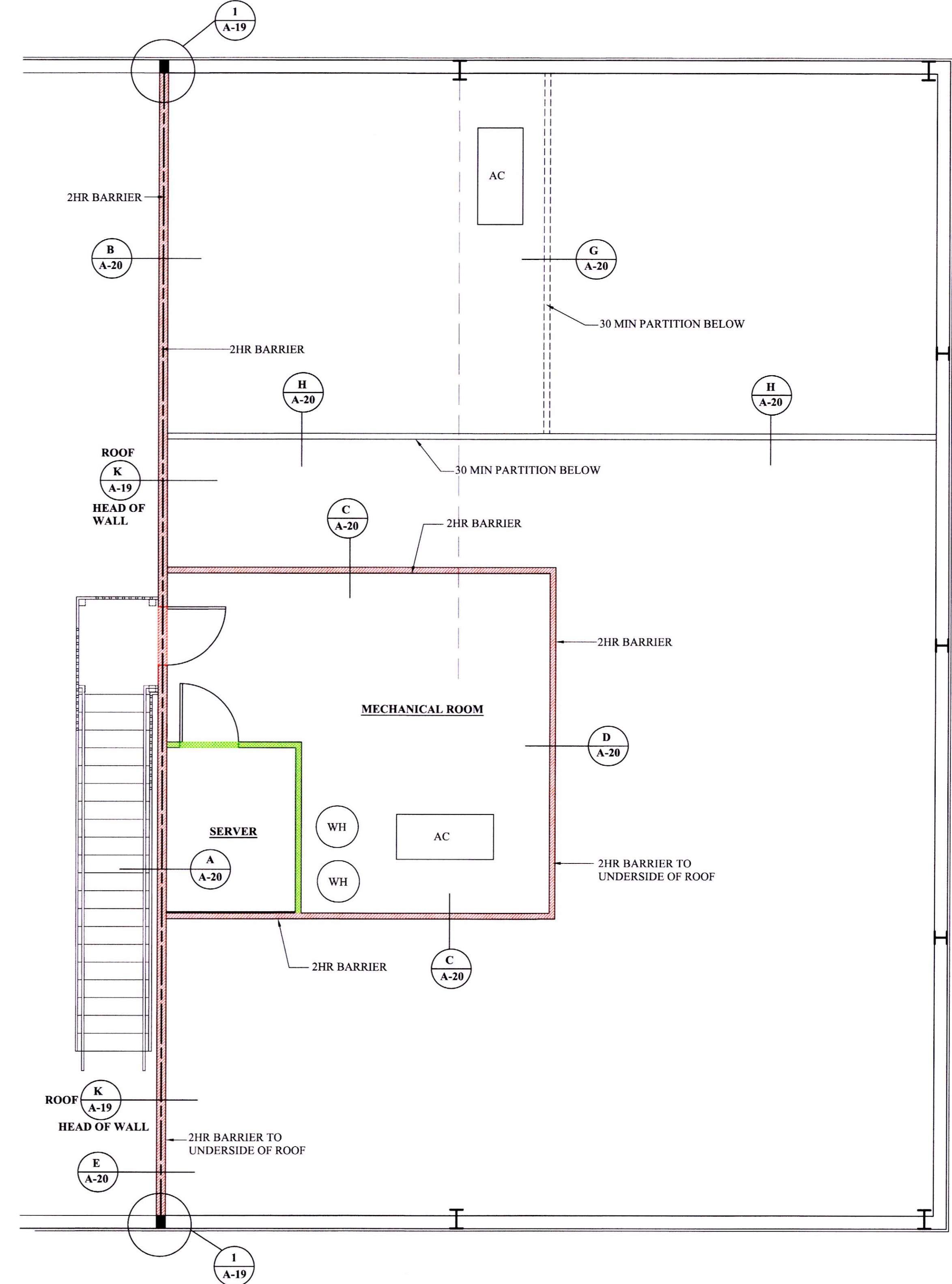
- NO. 2 SYP STUDS

WOOD FRAMING FLOOR PLAN -

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

BASE BID & BID ALTERNATE NO. 1 & NO. 2

A-12



- ENGINEERED STUDS BC 1.8 -2650 VERSA STUDS

- NO. 2 SYP STUDS

WOOD FRAMING FLOOR PLAN ATTIC - MECHANICAL

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

BASE BID & BID ALTERNATE NO. 1 & NO.2

A-12

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COVINGTON, LOUISIANA 70433

JOSEPH F. SCHNEIDER JR., AIA
ARCHITECT
L.A. #4206 MS #3020 AL #8724 FL #AR95908 TX #24294
105 EVANGELINE DRIVE, SLIDELL, LOUISIANA 70460
(985) 290-6648
jfsarchitect@charter.net

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CHECKED	J. SCHNEIDER
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JOB NO.	

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REQUIRED SUBMITTALS BY CONTRACTOR TO ARCHITECT BEFORE REVIEW AND APPROVAL

1. COMPACTION SOIL TESTS AS SPECIFIED
2. CONCRETE CYLINDER TEST AS SPECIFIED
3. FILL MATERIAL
4. PRE- ENGINEERED METAL BUILDING AND ROOFING
5. HOLLOW METAL DOORS AND FRAMES
6. WOOD DOORS
7. DOOR HARDWARE
8. SECTIONAL DOORS
9. ACOUSTICAL CEILING AND SUSPENSION SYSTEM
10. CERAMIC AND PORCELAIN TILE
11. CULTURED MARBLE SHOWER
12. TOILET ACCESSORIES
13. ALUMINUM STOREFRONT AND GLAZING
14. PAINT, COATINGS, AND FINISHES
15. PLUMBING PIPING (SEWER & WATER)
16. PLUMBING FIXTURES
17. HVAC, EXHAUST FANS, LOUVERS
18. LIGHTING FIXTURES
19. ELECTRIC WIRING, BOXES, CONDUIT, RACEWAYS
20. POWER PANELS

GENERAL NOTES:

1. DO NOT SCALE DRAWINGS. USE WRITTEN DIMENSIONS ONLY. SUBMIT TO ARCHITECT ANY DISCREPANCIES FOR CLARIFICATIONS.
2. ALL WORK SHALL BE IN COMPLIANCE WITH THE INTERNATIONAL BUILDING CODE, NFPA, RECOGNIZED BUILDING STANDARDS, ALL MANUFACTURER'S RECOMMENDATIONS AND SPECIFICATIONS, AND ALL OTHER APPLICABLE CODES AND STANDARDS.
3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR BUILDING THIS PROJECT IN ACCORDANCE WITH THE DRAWINGS AND SPECIFICATIONS A WRITTEN NOTIFICATION FROM THE OWNER OR ARCHITECT IS ISSUED.
4. THE LOCATION OF THE EXISTING UTILITIES AND STRUCTURE INDICATED ON THE PLANS ARE APPROXIMATE. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY THE EXISTENCE AND ACTUAL LOCATION OF SUCH PRIOR TO ANY EXCAVATION. ANY DAMAGES SHALL BE REPAIRED AT THE EXPENSE OF THE CONTRACTOR.
5. PRIOR TO ANY EXCAVATION, THE CONTRACTOR AND HIS SUBCONTRACTORS SHALL CONTACT NOTIFY LOUISIANA ONE-CALL AT 1-800-272-3020 FOR LOCATION OF ALL SUB-SURFACE UTILITIES. ALL NOTIFICATIONS SHALL COMPLY WITH THE LOUISIANA UNDERGROUND UTILITIES AND FACILITIES DAMAGE PREVENTION LAW.
6. FIRE BARRIERS SHALL BE CONTINUOUS FROM OUTSIDE WALL TO OUTSIDE WALL. FROM ANOTHER FIRE BARRIER TO A FIRE BARRIER. TO A FIRE BARRIER OR A COMBINATION THEREOF, INCLUDING CONTINUITY THROUGH ALL CONCEALED SPACES SUCH AS THOSE FOUND ABOVE A CEILING, INCLUDING ALL INTERSTITIAL SPACES.

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FIRE BARRIERS SHALL BE EFFECTIVELY AND PERMANENTLY IDENTIFIED WITH 1" STENCILING AT 30' ON CENTERS ABOVE ANY DECORATIVE OR FINISHED CEILING AND CONCEALED SPACES WITH THE FOLLOWING: "FIRE/SMOKE BARRIER-PROTECT ALL OPENINGS". COLOR OF STENCIL LETTERING SHALL BE "RED". MARKINGS SHALL INCLUDE ALL FIRE WALLS, FIRE BARRIERS, FIRE PARTITIONS, SMOKE BARRIERS AND SMOKE PARTITIONS. ALL LABELING SHALL COMPLY WITH 2021 IBC SECTION 703.6.
7. PROVIDE BLOCKING IN ALL STUD WALLS THAT ARE TO RECEIVE GRAB BARS, TOILET PARTITIONS, SIGNAGE, TOILET ACCESSORIES, MIRRORS, AND SCREENS.
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9. PROVIDE CONTINUOUS WATERPROOFING SILICONE BASED SEALANT AND BACKER ROD AT ALL ALUMINUM WINDOW STOREFRONT AND ADJACENT MATERIAL TERMINATIONS. SEALANT SHALL MATCH ADJACENT MATERIAL COLOR.
10. PROVIDE CONTINUOUS SEALANT AND BACKER ROD AT ALL JUNCTIONS BETWEEN DISSIMILAR MATERIALS, I.E., BRICK TO EFIS, STOREFRONT TO BRICK.
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14. ALL ELECTRICAL WORK SHALL COMPLY WITH NEC 2020 EDITION.
15. ALL PLUMBING WORK SHALL COMPLY WITH 2021 INTERNATIONAL PLUMBING CODE.

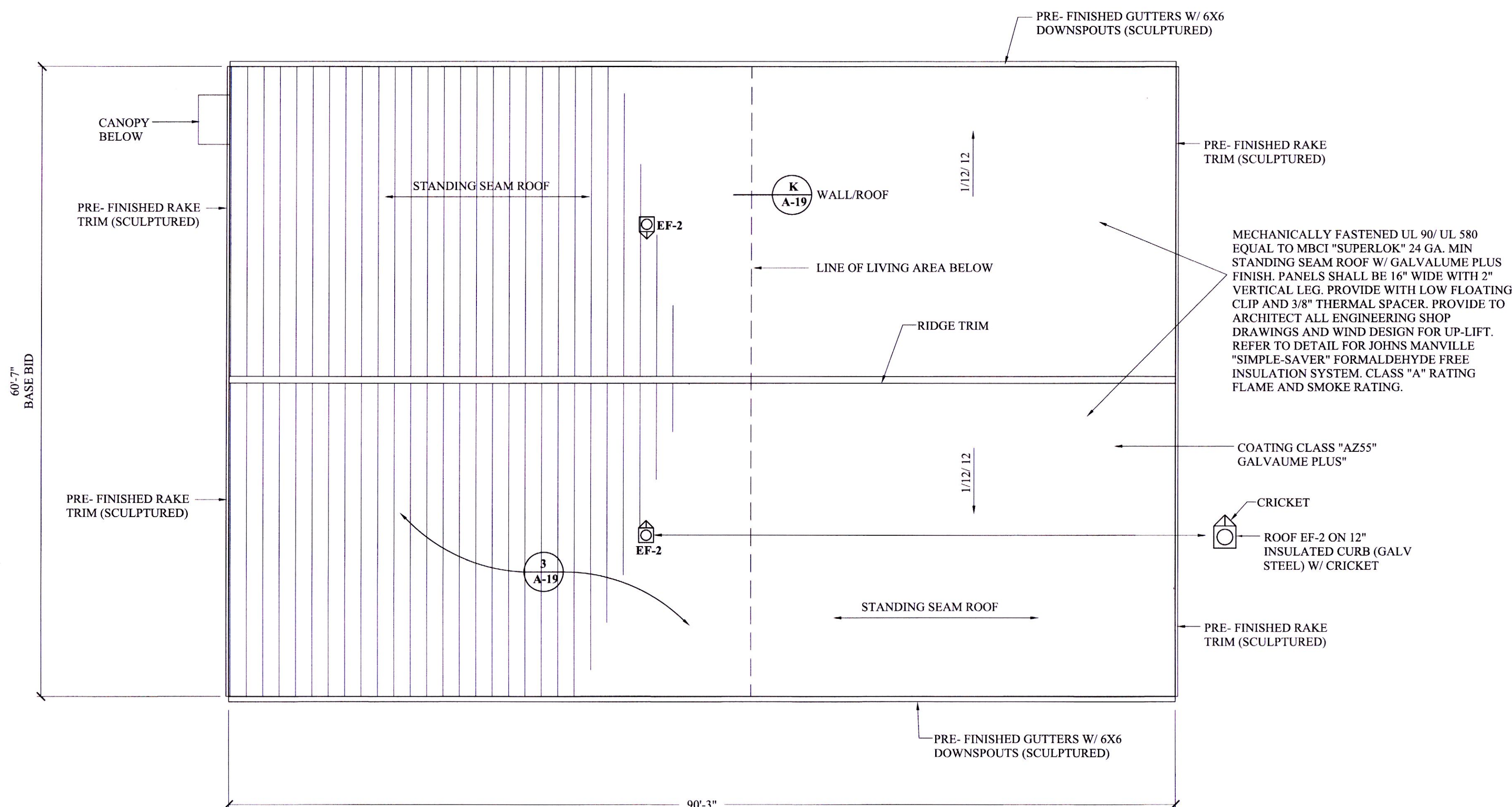
GENERAL NOTES:

1. ALL WORK SHALL COMPLY WITH THE 2021 EDITION OF THE INTERNATIONAL BUILDING CODE.
2. ALL WOOD FRAMING SHALL COMPLY WITH THE 2018 EDITION OF THE WOOD FRAME CONSTRUCTION MANUAL.

GENERAL NOTES:

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REVIEWED FOR
STATE FIRE MARSHAL
AS PER REVIEW LETTER
BY WILLIAM O. JONES, ARCHITECT, CDO
William O. Jones



ROOF PLAN - BASE BID

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

A-13

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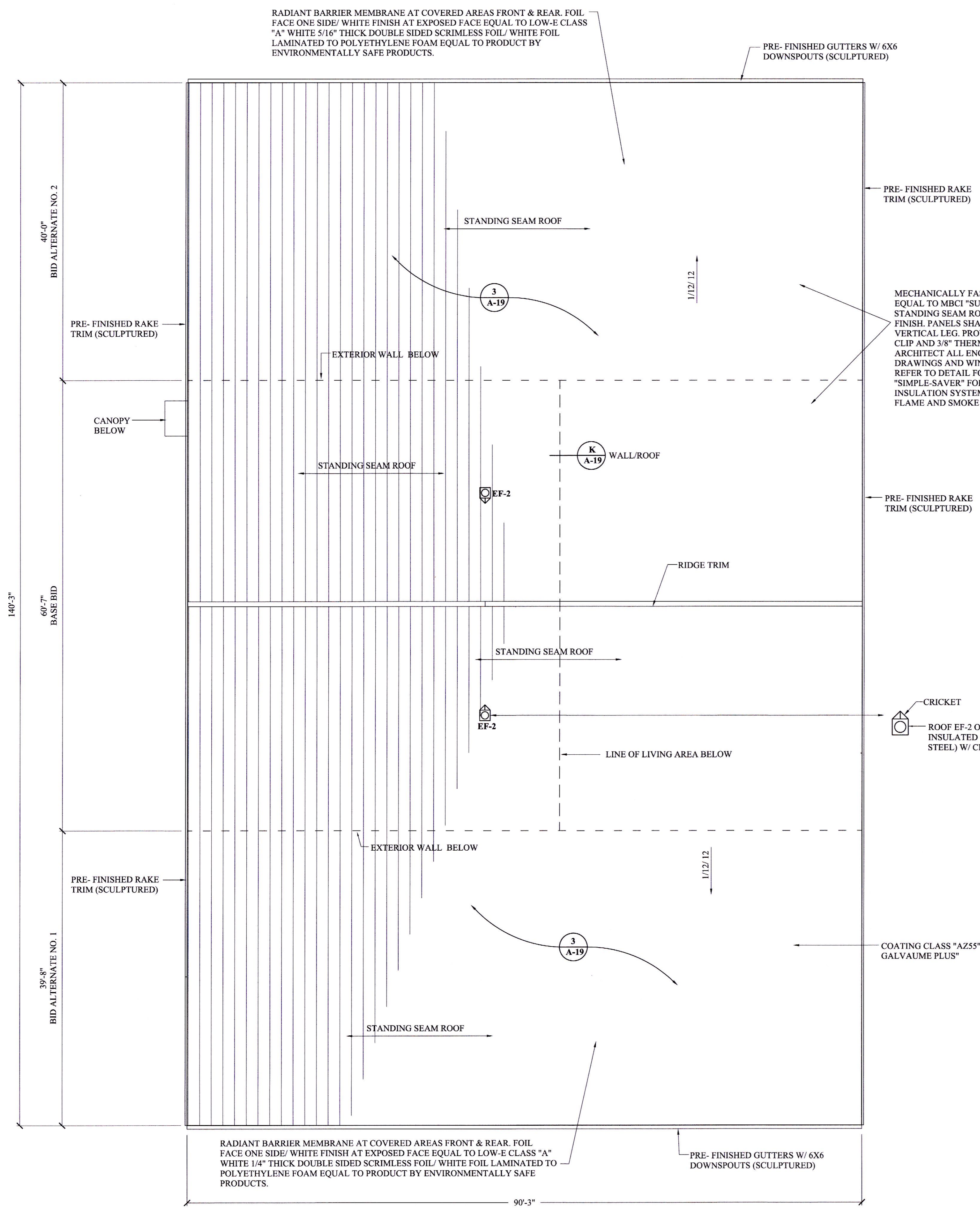


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L.A. #4206 MS #3020 AL #8724 FL #AR95908 TX #24294
105 EVANGELINE DRIVE, SLIDELL, LOUISIANA 70460
(985) 290-6648
jfsarchitect@charter.net

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H. SCHNEIDER
CHECKED
J. SCHNEIDER
DATE
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ROOF PLAN - BID ALTERNATE #1 & ALTERNATE #2

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

A-14

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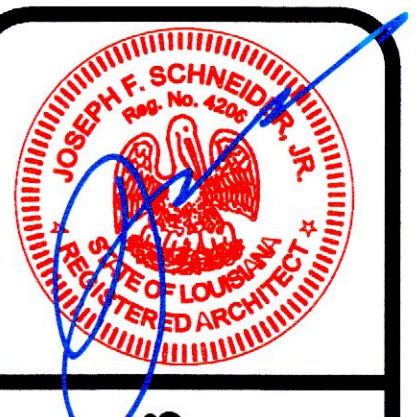
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- PRE- ENGINEERED METAL BUILDING AND ROOFING
- HOLLOW METAL DOORS AND FRAMES
- WOOD DOORS
- DOOR HARDWARE
- SECTIONAL DOORS
- ACOUSTICAL CEILING AND SUSPENSION SYSTEM
- CERAMIC AND PORCELAIN TILE
- CULTURED MARBLE SHOWER
- TOILET ACCESSORIES
- ALUMINUM STOREFRONT AND GLAZING
- PAINT, COATINGS, AND FINISHES
- PLUMBING PIPING (SEWER & WATER)
- PLUMBING FIXTURES
- HVAC, EXHAUST FANS, LOUVERS
- LIGHTING FIXTURES
- ELECTRIC WIRING, BOXES, CONDUIT, RACEWAYS
- POWER PANELS

REVIEWED FOR STATE FIRE MARSHAL AS PER REVIEW LETTER BY WILLIAM D. JONES, ARCHITECT, CBO
William D. Jones

REVISIONS	BY



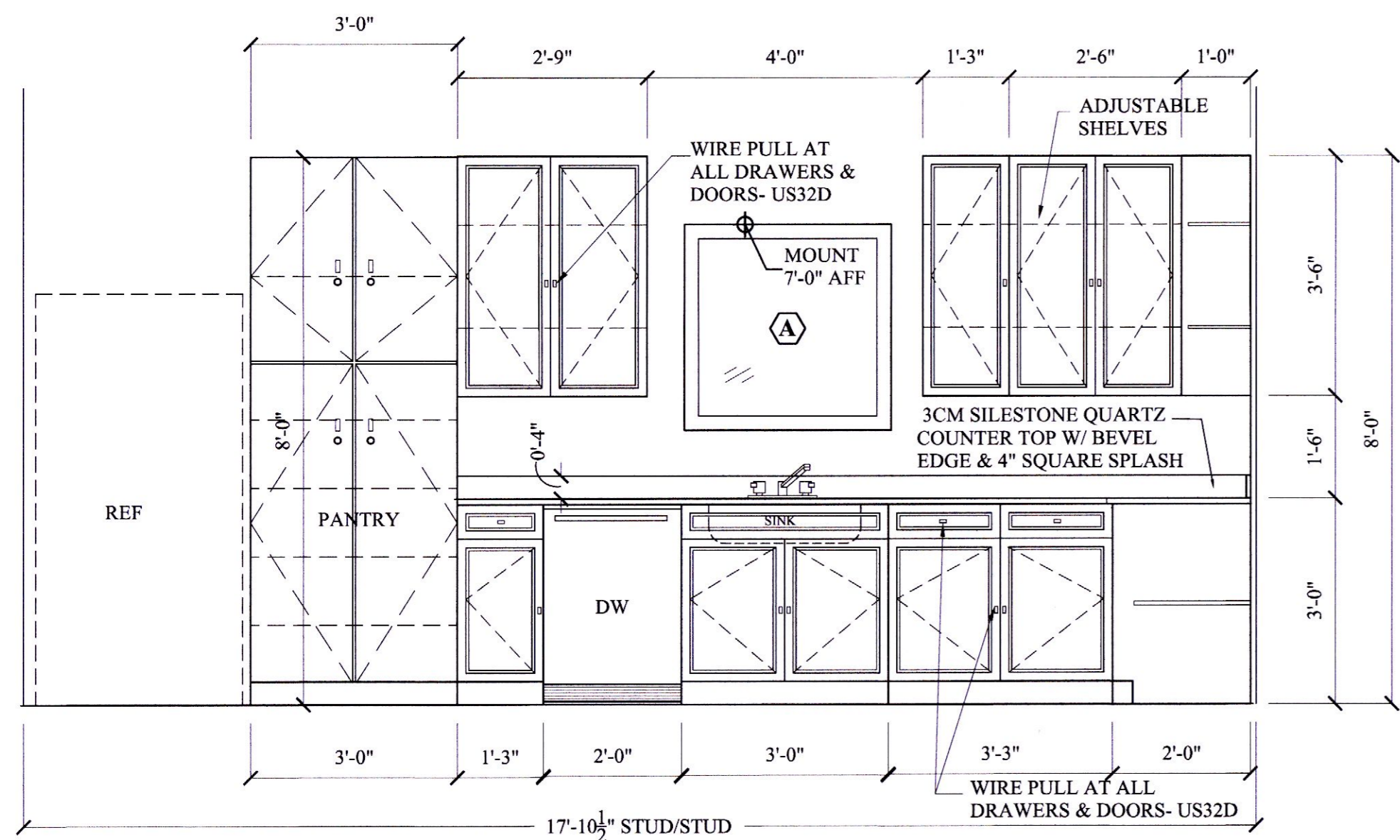
NEW FIRE FIRE STATION NO. 134 FOR ST. TAMMANY FIRE DISTRICT NO. 13
425 LEEWARD LOOP ST. TAMMANY PARISH COVINGTON, LOUISIANA 70433

JOSEPH F. SCHNEIDER JR., AIA ARCHITECT
L.A. #4206 MS #3020 AL #8724 FL #AR95908 TX #24294
105 EVANGELINE DRIVE, SLIDELL, LOUISIANA 70460
(985) 290-6648
jfsarchitect@charter.net

DRAWN H. SCHNEIDER
CHECKED J. SCHNEIDER
DATE 03/20/2024
SCALE AS NOTED
JOB NO.

SHEET **A-14** OF SHEETS

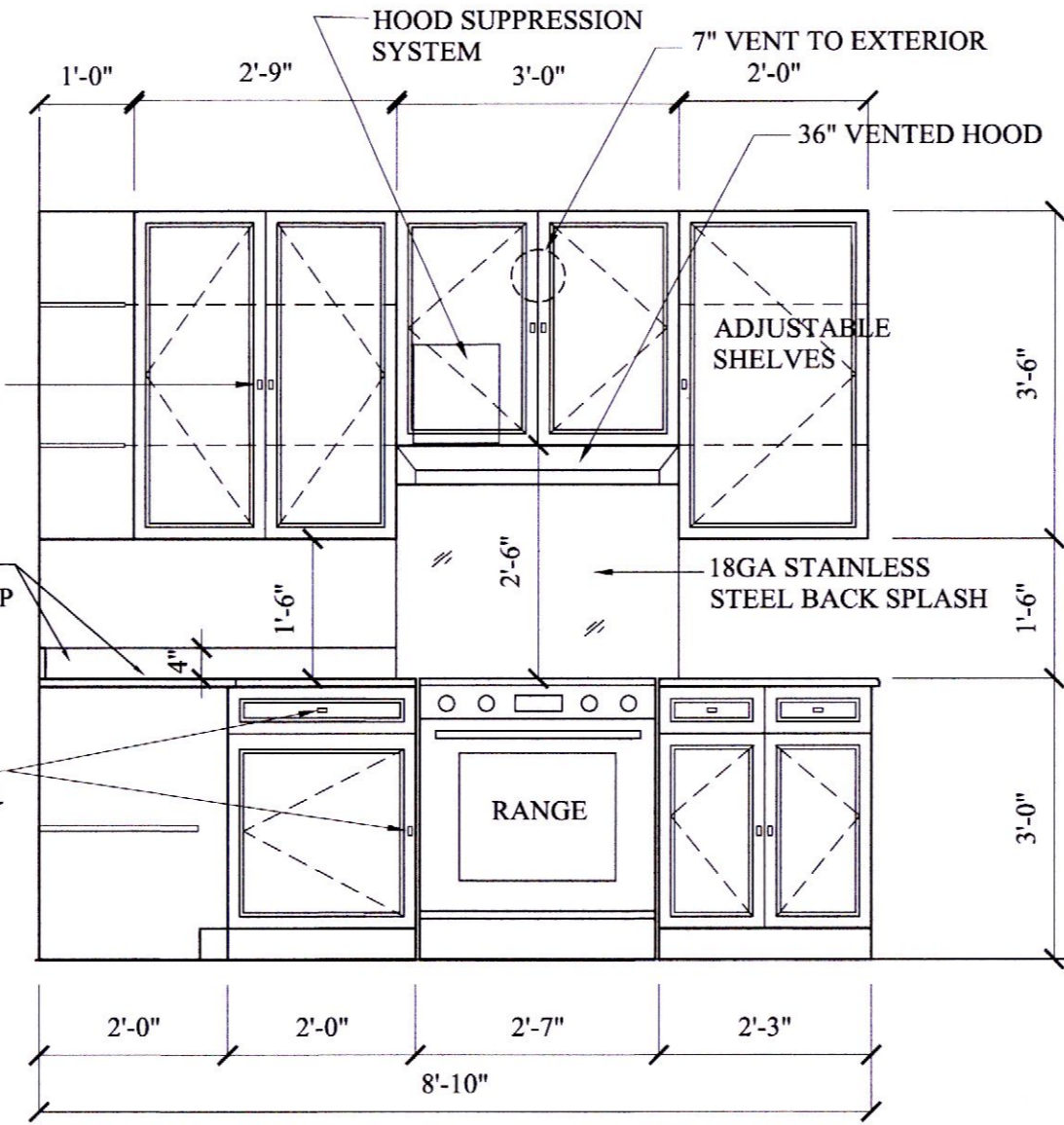
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CABINET ELEVATION-

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

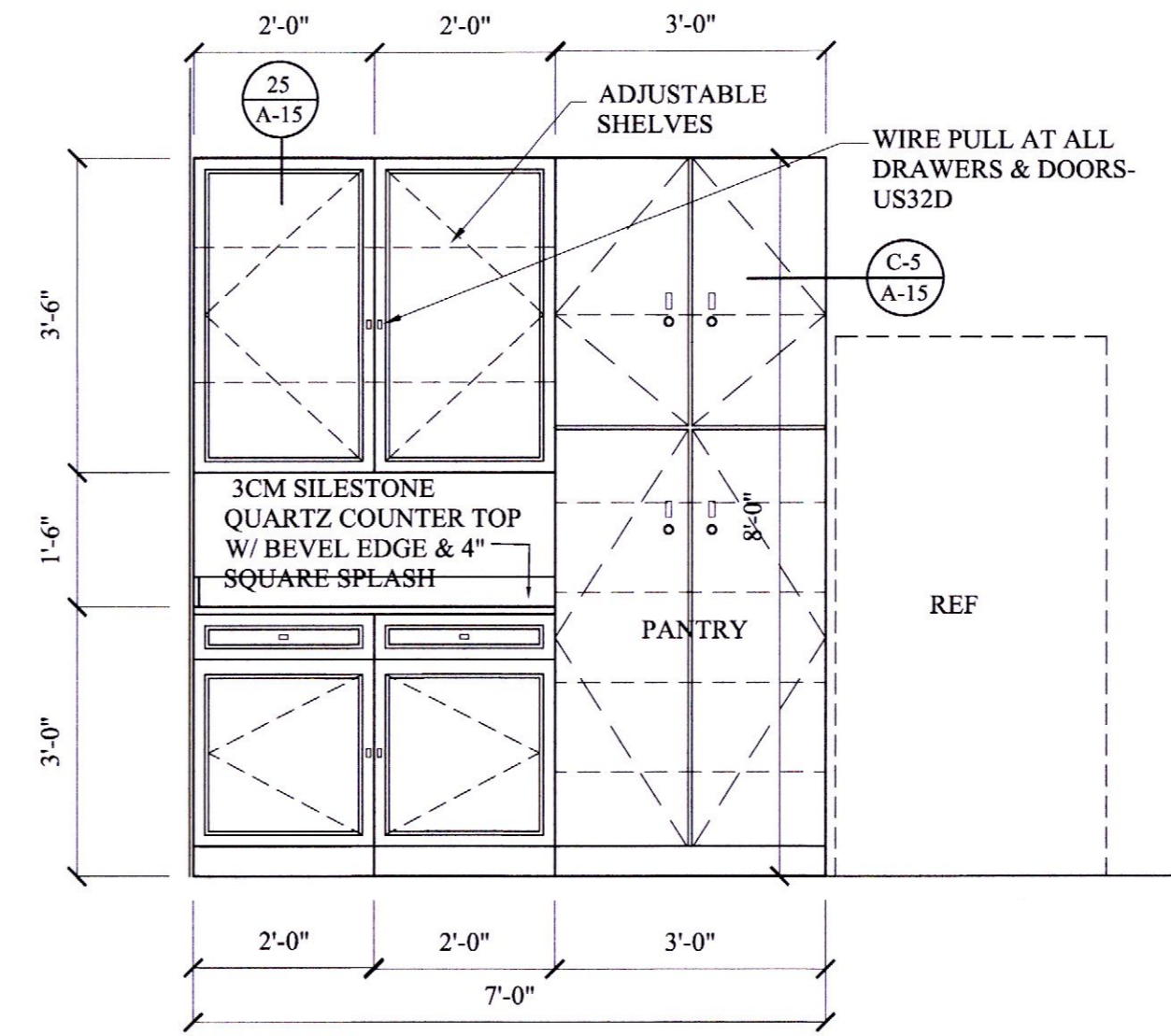
C-1
A-15



CABINET ELEVATION-

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

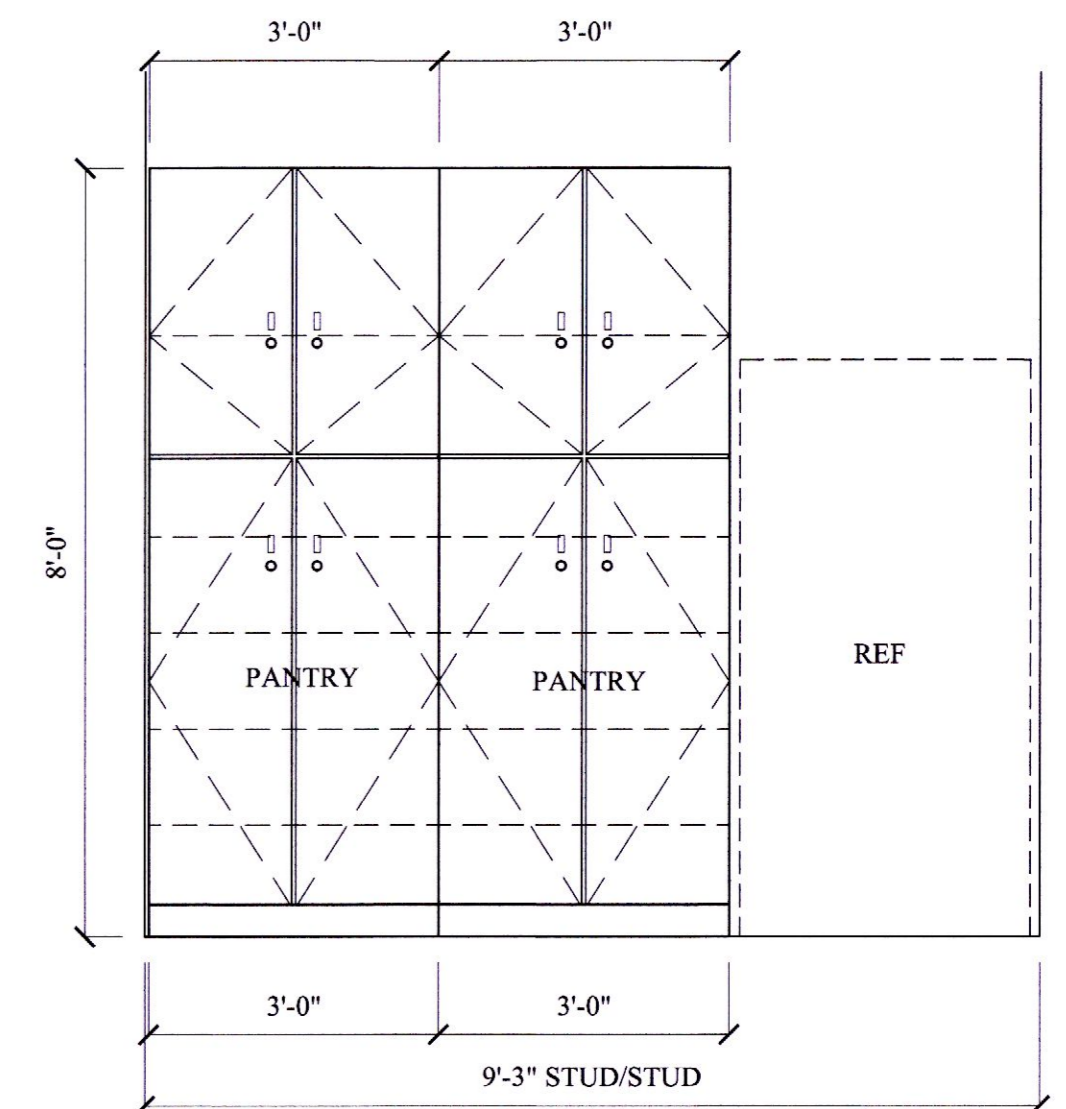
C-2
A-15



CABINET ELEVATION-

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

C-3
A-15



CABINET ELEVATION-

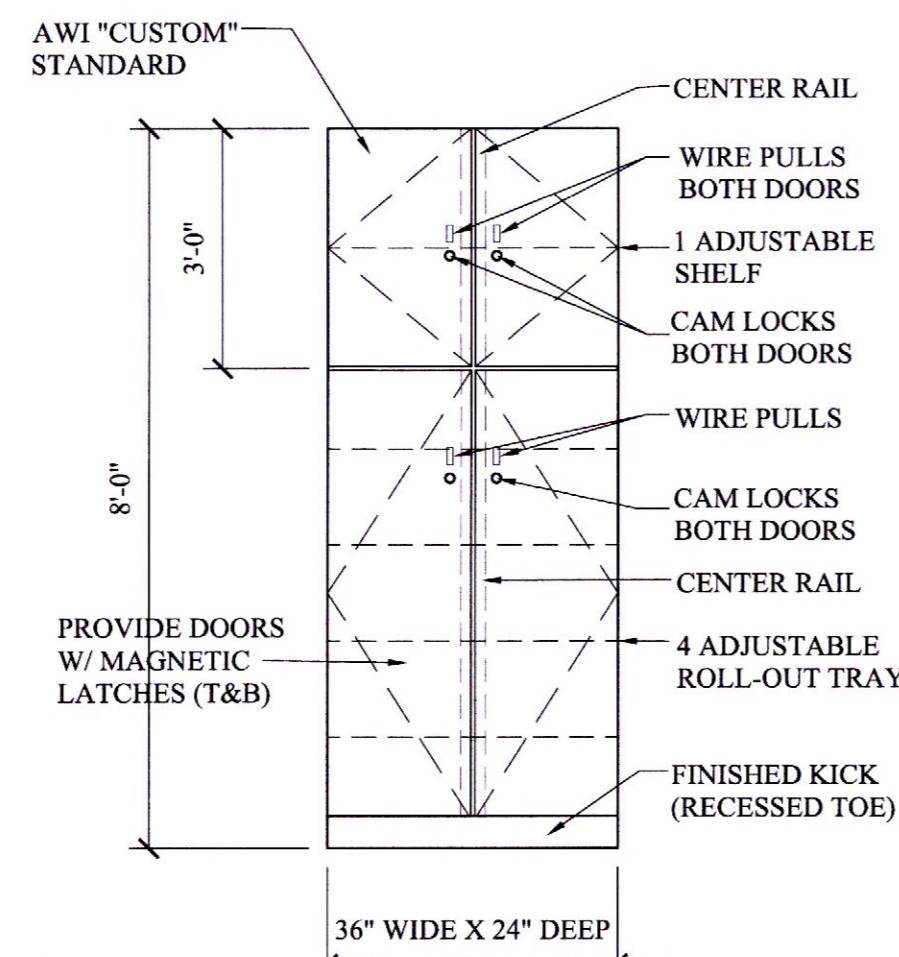
SCALE: 1/2" = 1'-0"

C-4
A-15

KITCHEN HOOD WITH EXTINGUISHER SYSTEM:
(BY GENERAL CONTRACTOR)

EQUAL TO BROAN NO. F40000 SERIES TWO SPEED 4-WAY CONVERTIBLE UNDER CABINET HOOD- COLOR WHITE. DISCHARGE HORIZONTALLY WITH 3 1/4" X 10" METAL DUCT. PROVIDE WITH EXTERIOR WALL CAP, DAMPER, SCREEN. COLOR OF CAP TO MATCH SIDING. HOOD 190 CFM/ 160 CFM. HOOD 36" WIDTH, WASHABLE ALUMINUM FILTER, 120V, 2.0 AMPS. WALL CAP NO. 639. INSTALL TO MANUFACTURER'S RECOMMENDATIONS. COORDINATE HOOD INSTALLATION WITH WET CHEMICAL EXTINGUISHER SYSTEM.

PROVIDE HOOD WITH FIRE SUPPRESSION SYSTEM AS INDICATED MANUFACTURED BY GUARDIAN SAFETY SOLUTIONS INTERNATIONAL, INC. AS INSTALLED BY FIRE & SAFETY COMMODITIES, 922 INDUSTRY ROAD, KENNER, LOUISIANA, 70062. (504) 465-5994 CARE OF SAGE BOURGEOIS. SYSTEM SHALL BE GUARDIAN NO.G300-A WET CHEMICAL SUPPRESSION SYSTEM COMPLETE WITH ALL VALVES, SUPPLY TANK, PULL STATION. INSTALLER SHALL PROVIDE SUBMITTAL TO BE FORWARDED TO THE LOUISIANA STATE FIRE MARSHALL FOR APPROVAL. PROVIDE WITH SHUNT SWITCH AND CONNECT TO FIRE ALARM SYSTEM AS INDICATED ON ELECTRICAL DRAWINGS.



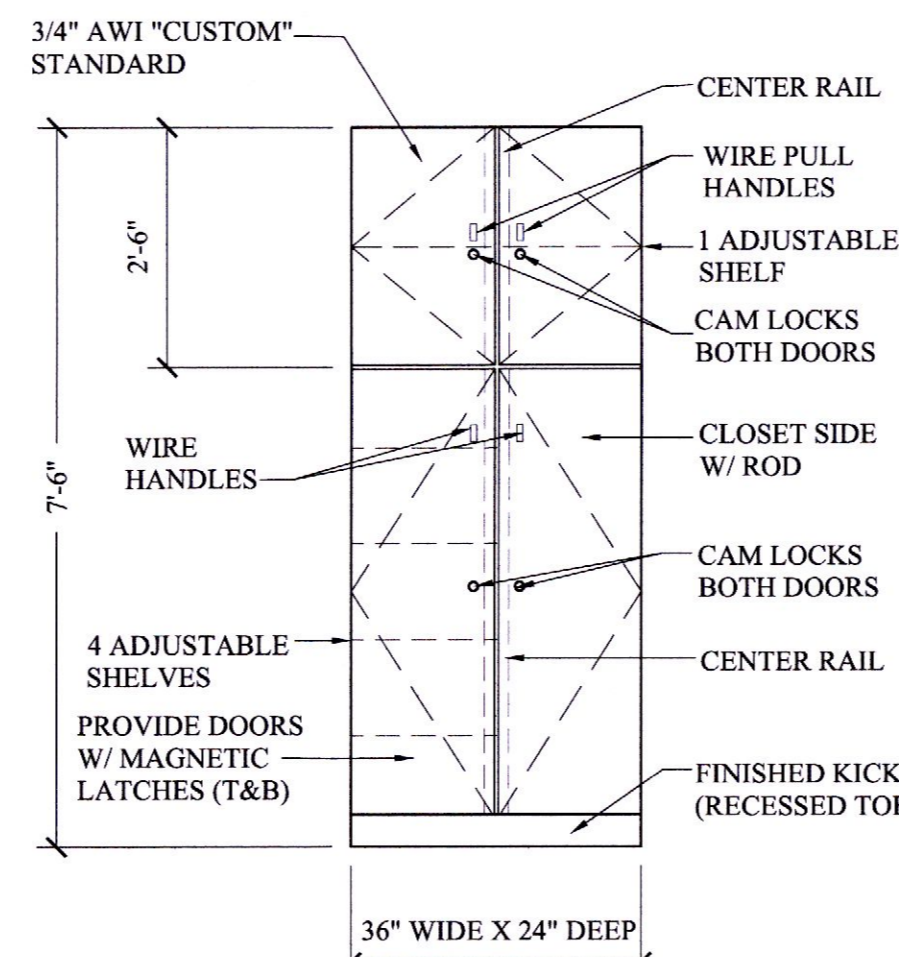
KITCHEN PANTRIES - 4 REQ.

PAINT FINISH ALL SURFACES
ALL MATERIALS 3/4" BIRCH PLYWOOD

ELEVATION-

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

C-5
A-15



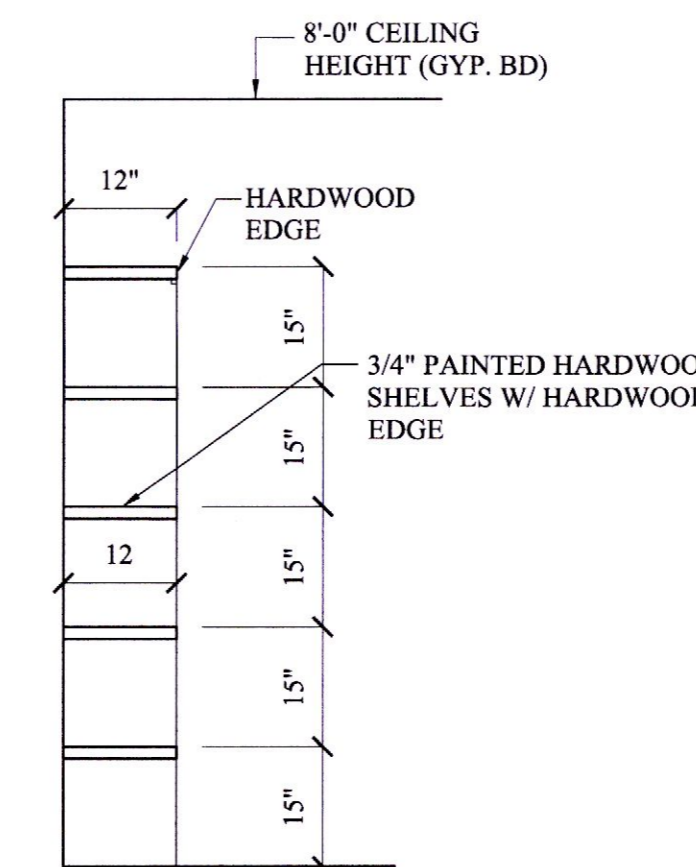
BUNK ROOM WARDROBES - 8 REQ.

PAINT FINISH ALL SURFACES
ALL MATERIALS 3/4" BIRCH PLYWOOD

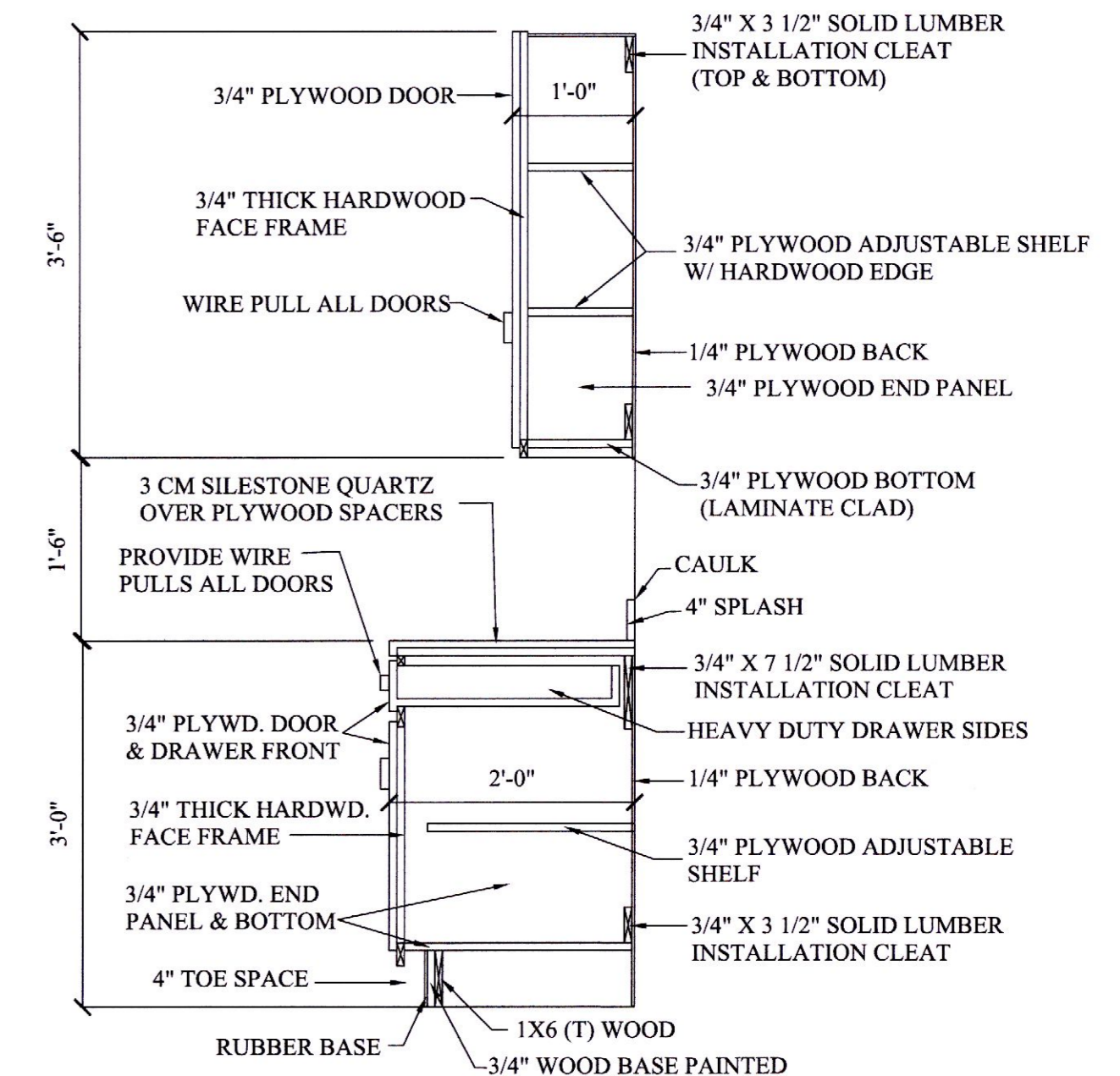
ELEVATION-

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

C-6
A-15



LINEN/ STORAGE
5 SHELVES - 15" SPACING
VERTICALLY



TYPICAL CABINET DETAIL
REFER TO CABINET ALLOWANCE

DETAIL-

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

25
A-15

REVISIONS	BY



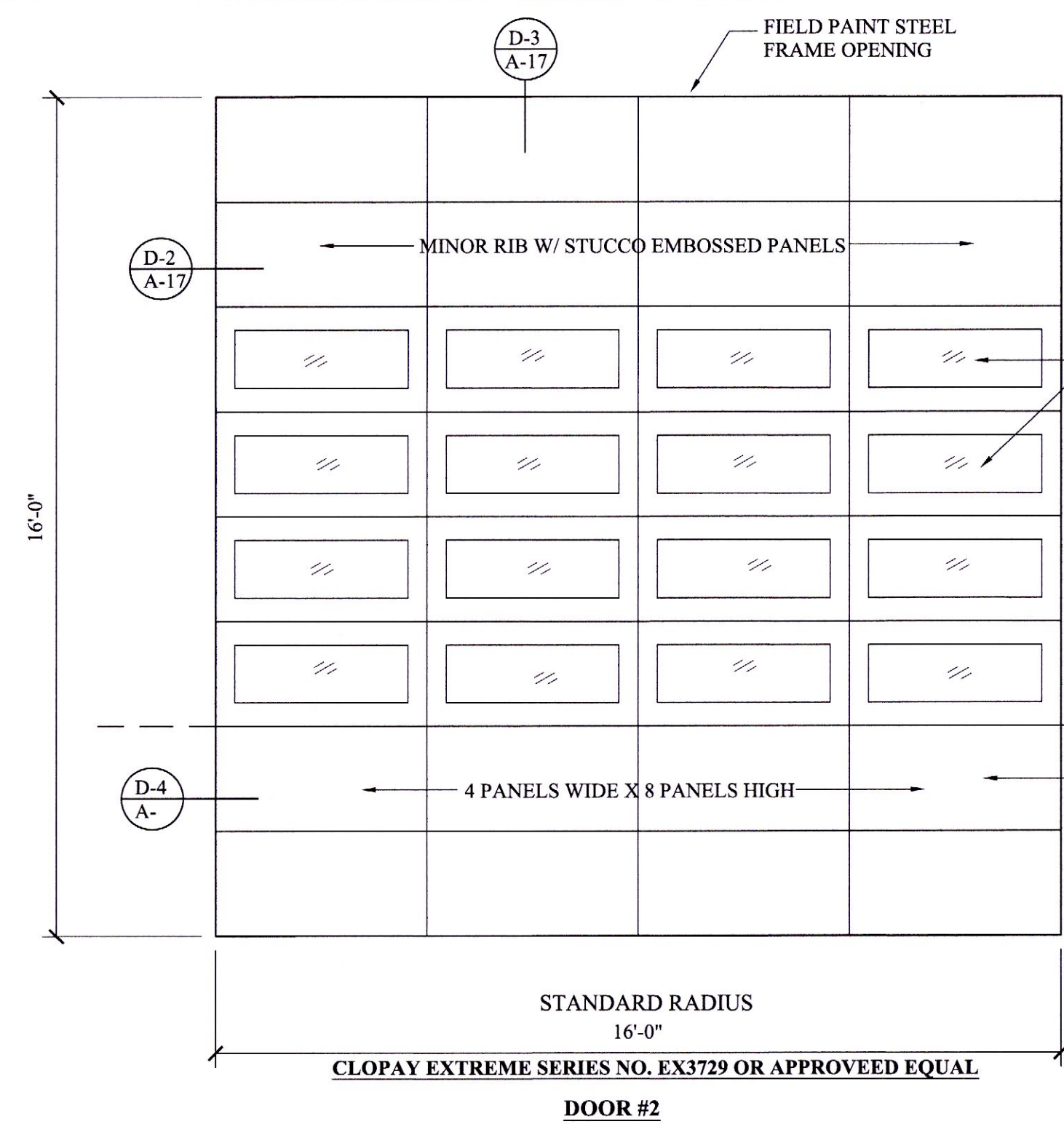
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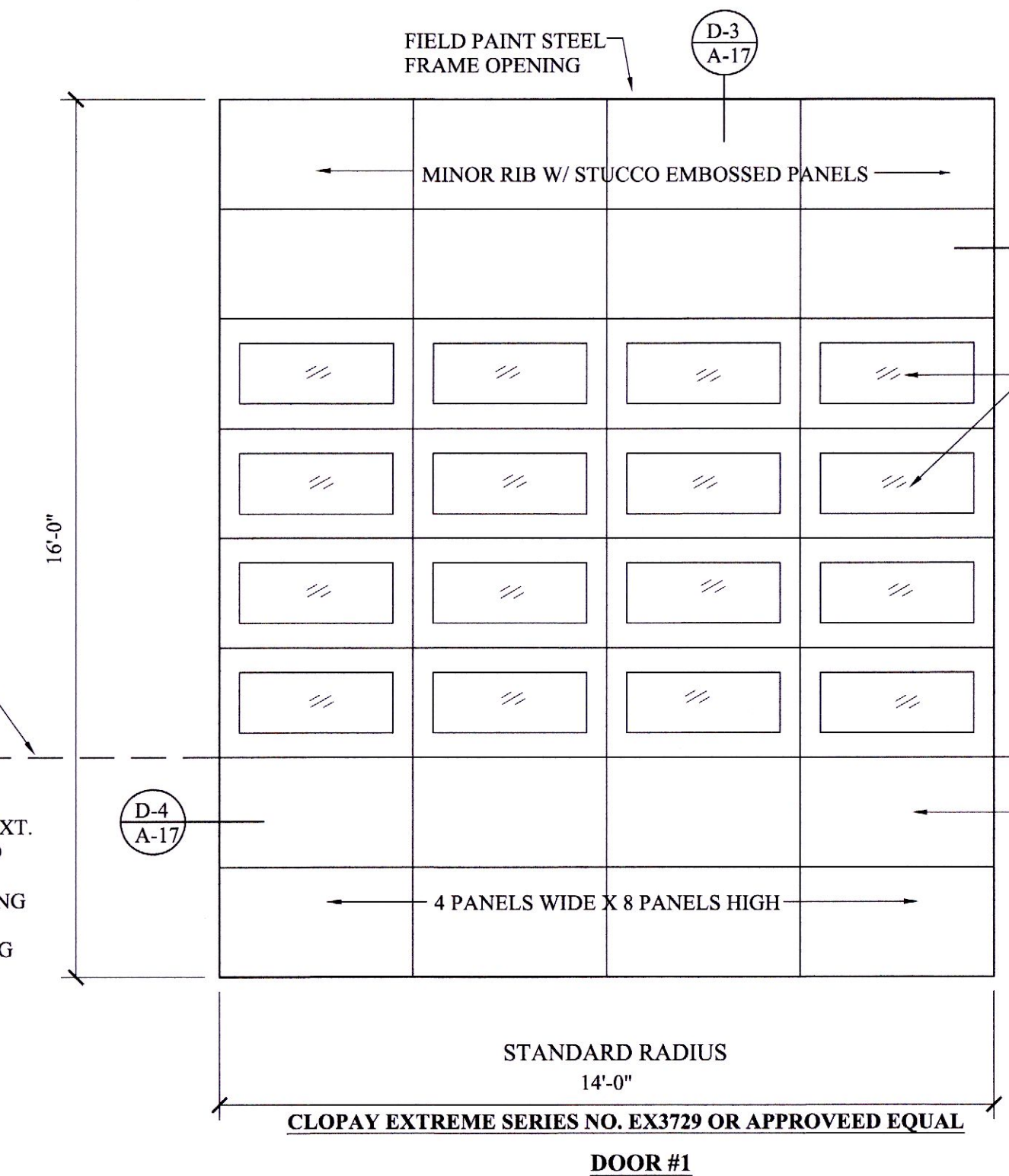
REVIEWED FOR
STATE FIRE MARSHAL
AS PER REVIEW LETTER
BY WILLIAM D. JONES, ARCHITECT, CBO
William D. Jones

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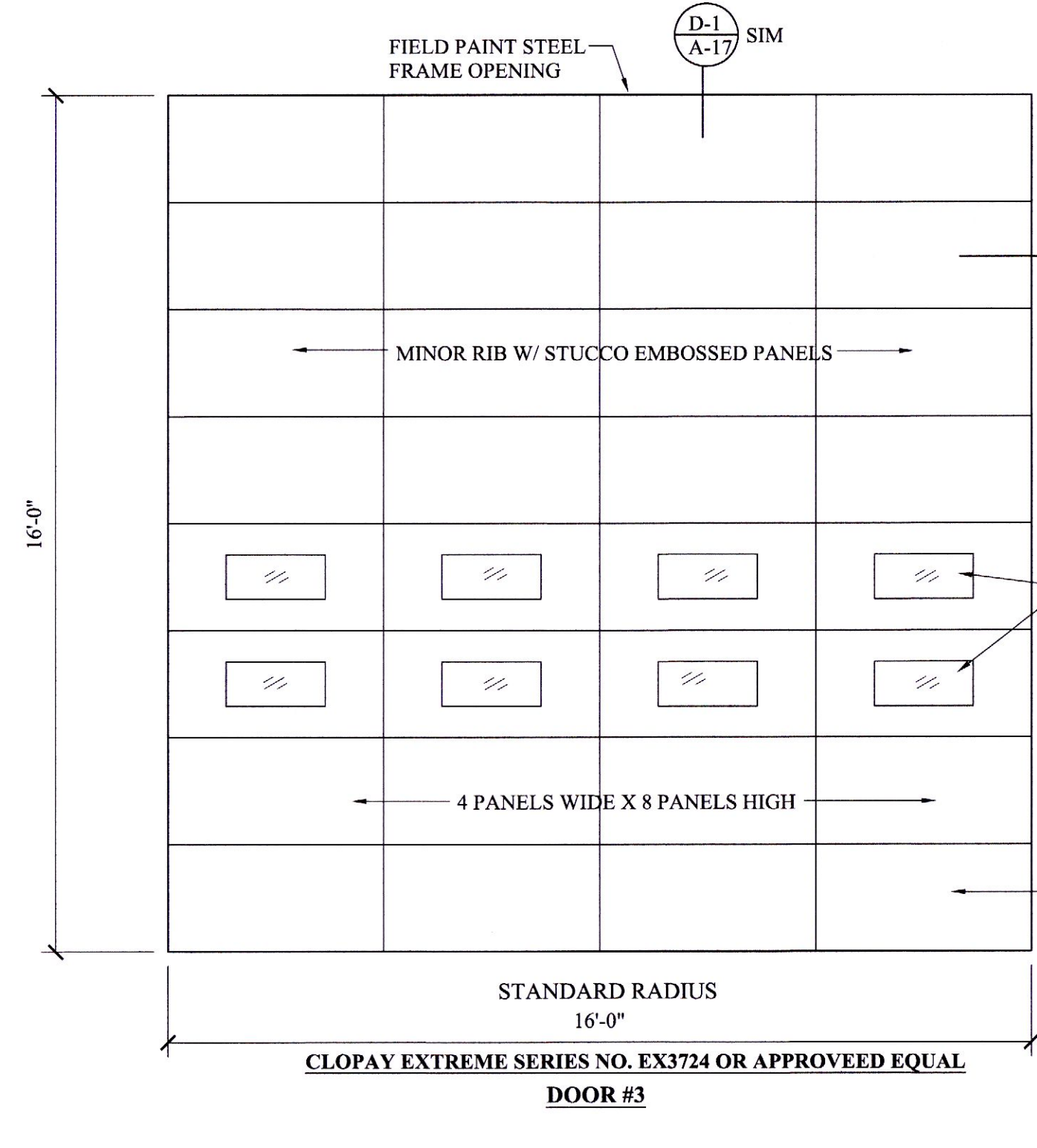
DRAWN	H. SCHNEIDER
CHECKED	J. SCHNEIDER
DATE	03/20/2024
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SHEET	A-15
OF SHEETS	



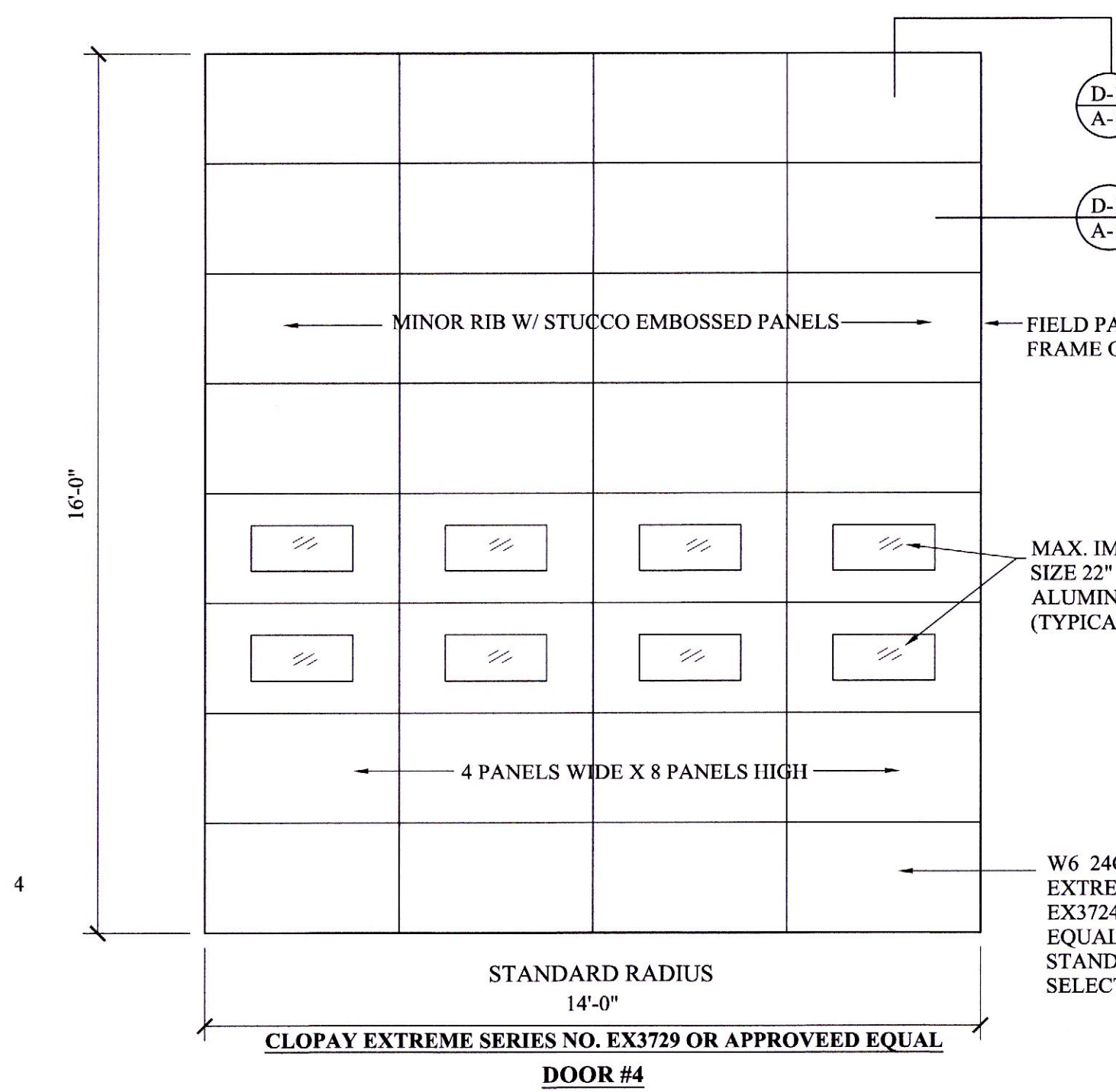
DOOR #2



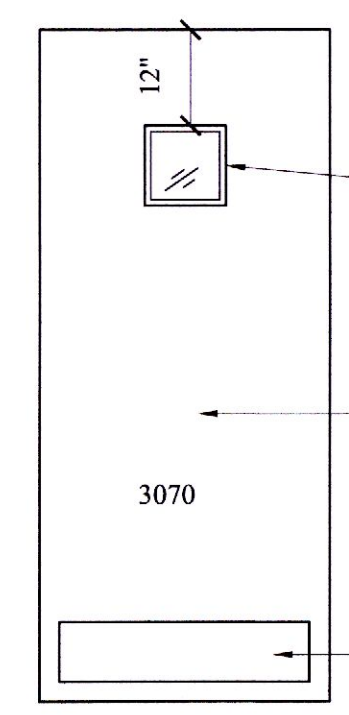
DOOR #1



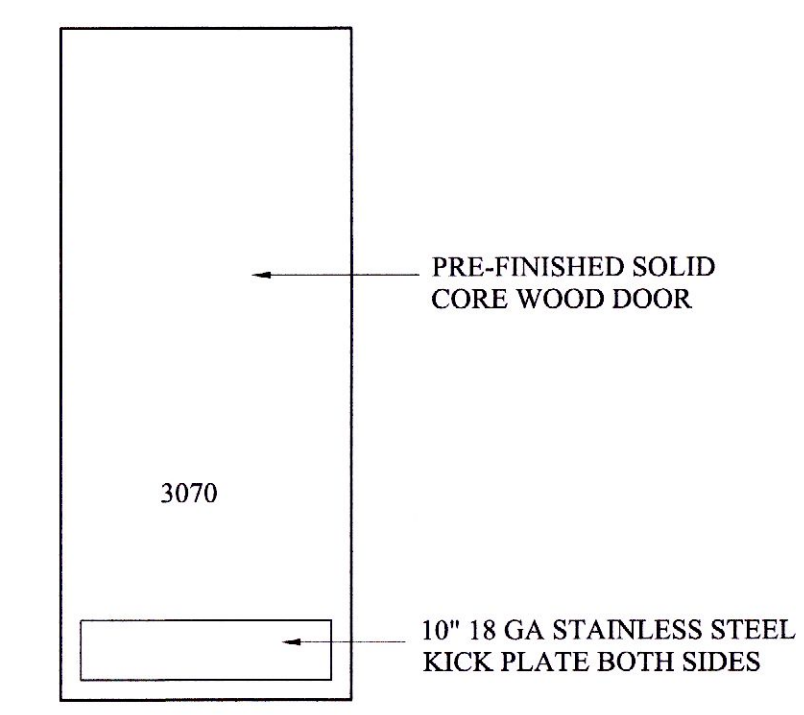
DOOR #3



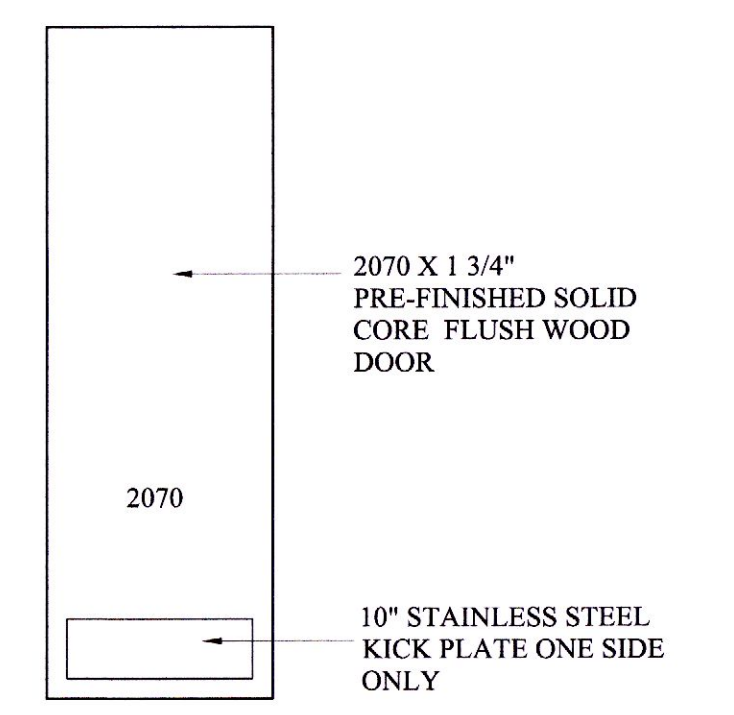
DOOR #4



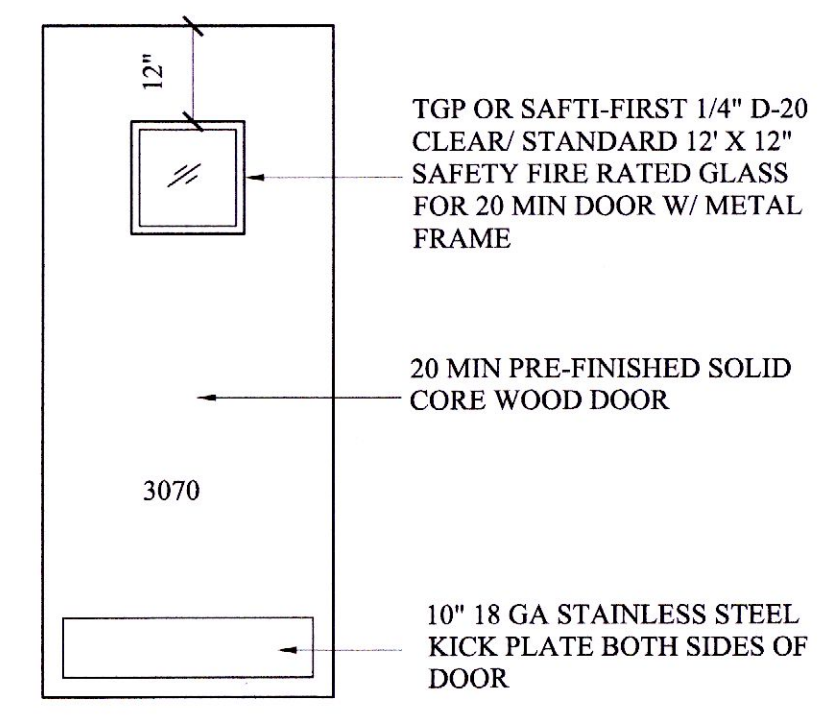
10 10A 19



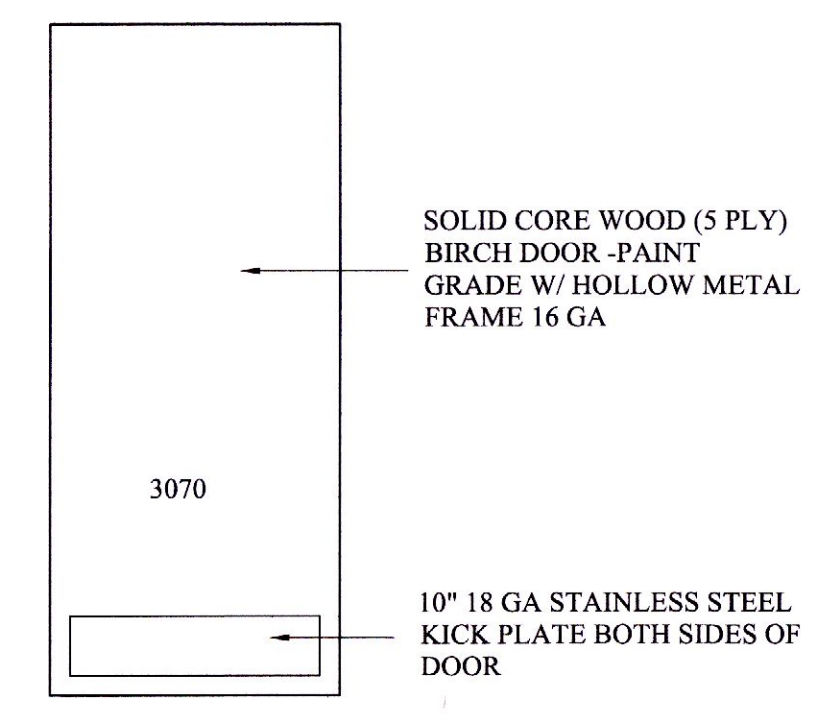
11 12 14 15 16



13



17 18



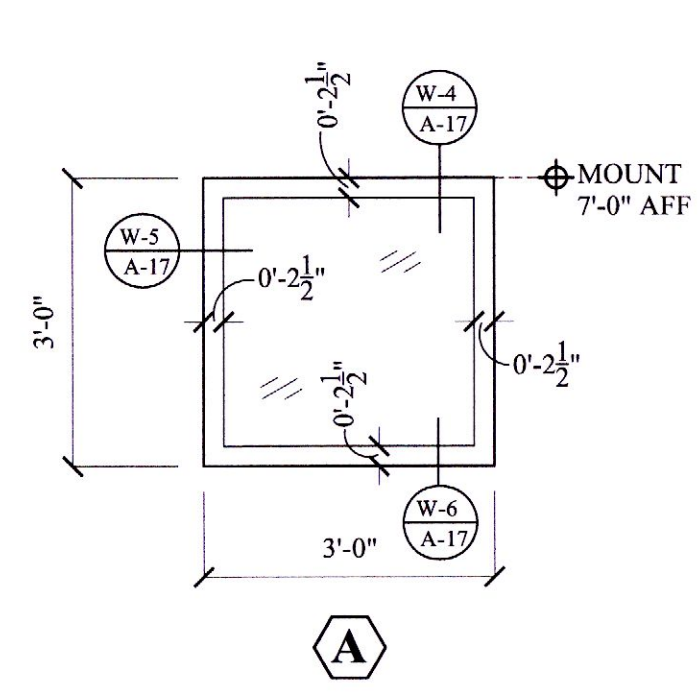
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NOTE:

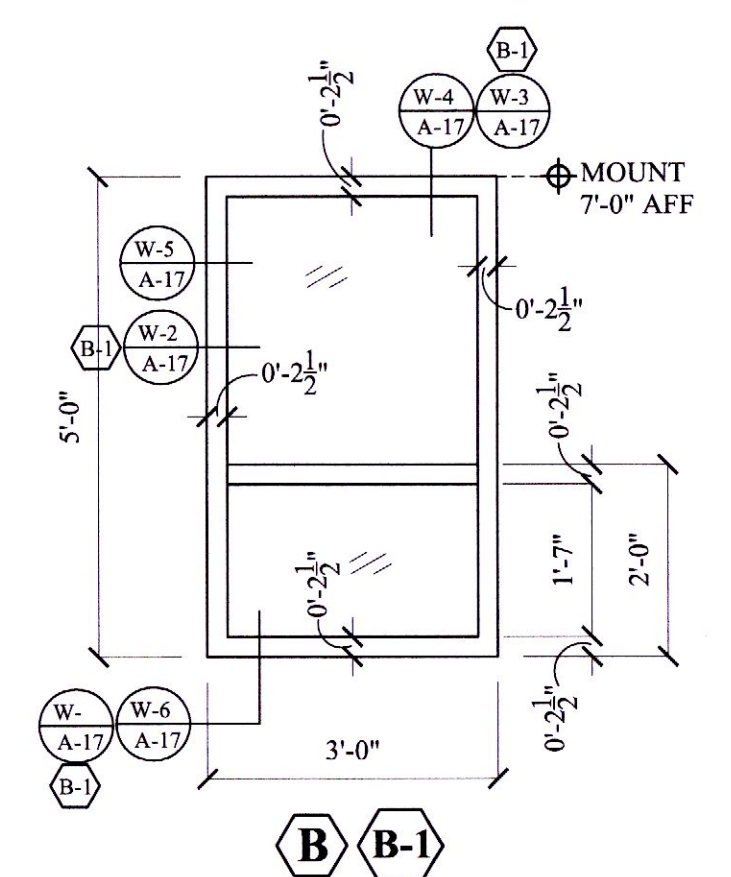
DOORS NO. 1 & 2 EQUAL TO CLOPAY MODEL EX3729 "EXTREME" SERIES SECTIONAL DOORS. DOORS SHALL BE INSULATED STEEL FULL VIEW DOORS, 2" THICK, 3 LAYER POLYURETHANE, MINOR RIB, STUCCO EMBOSS FINISH, 27 GA. INTERIOR AND EXTERIOR, R-18.4 SOLID PANELS, R-8.0 W/ GLAZING, THREMA BRAIL DOOR. DOOR SHALL BE W6 WIND RATING REINFORCED. PROVIDE WITH STANDARD LIFT OPERATION. COLOR SHALL BE "RED" POWDER COAT FINISH.

OPERATION SPEED UPWARD 24" PER SECOND. PROVIDE WITH CLOPAY EXTREME SERIES HIGH PERFORMANCE DOOR SYSTEM BY LIFTMASTER, 1.25 HP, 120/230V/1 PHASE. TRACK SHALL BE 2" STANDARD FRAMING. PROVIDE DOOR OPERATOR WITH AUXILIARY CHAIN HOIST, LIMIT SWITCH, AUTOMATIC SAFETY SENSOR (ELECTRIC). PROVIDE WITH DISCONNECT SWITCH, NEMA-1, AND NEMA-1 CONTROL STATION. PROVIDE WITH 3 BUTTON OPERATOR PANEL.

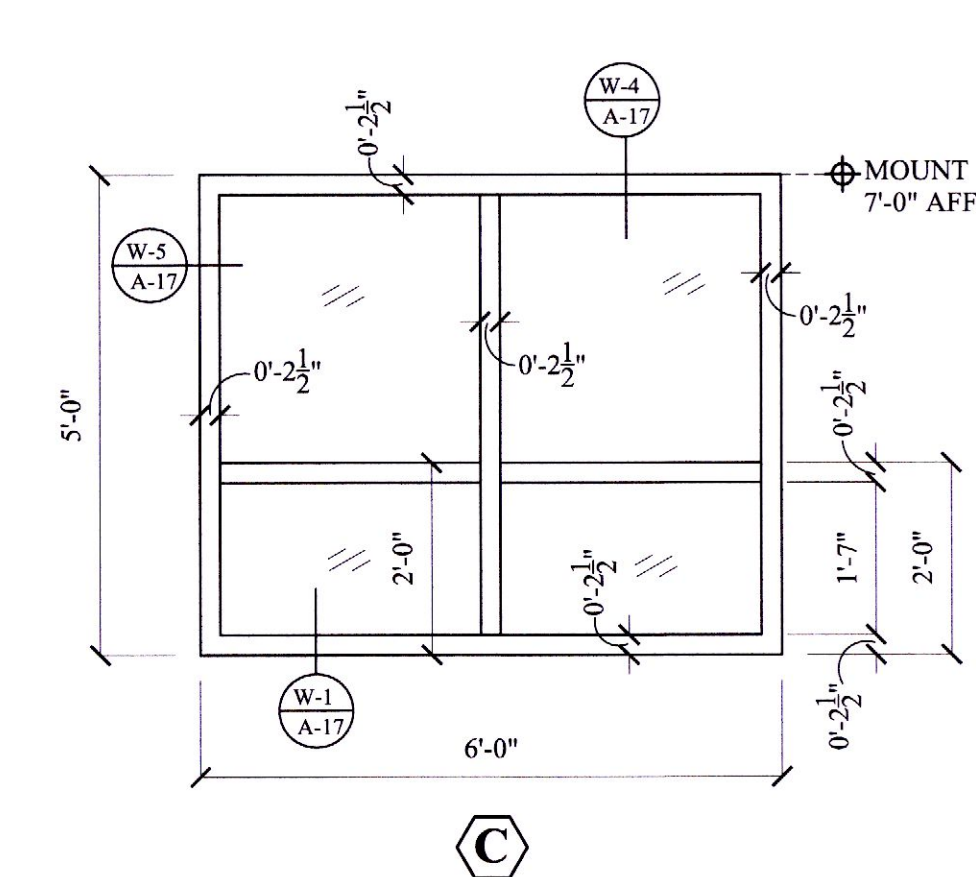
DOORS NO. 3 & 4 EQUAL TO CLOPAY EXTREME SERIES NO. EX3724. W6 WIND LOADING AND DOOR REINFORCING. COLOR (STANDARD) RANGE SELECTED BY OWNER. STEEL DOOR SECTIONS 2" THICK R18.4, MINOR RIB WITH STUCCO EMBOSSED FINISH. DOOR OPERATIONS SAME AS DOORS NO. 1 & 2.



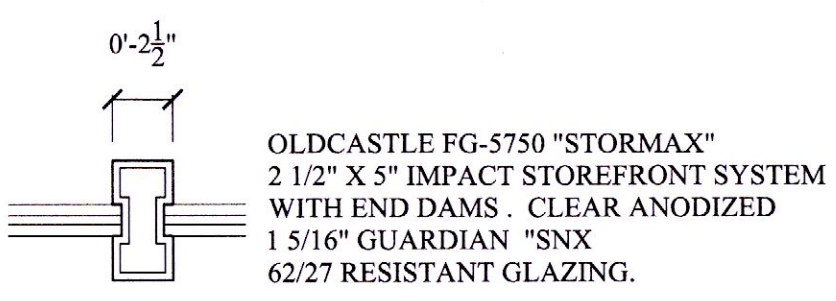
A



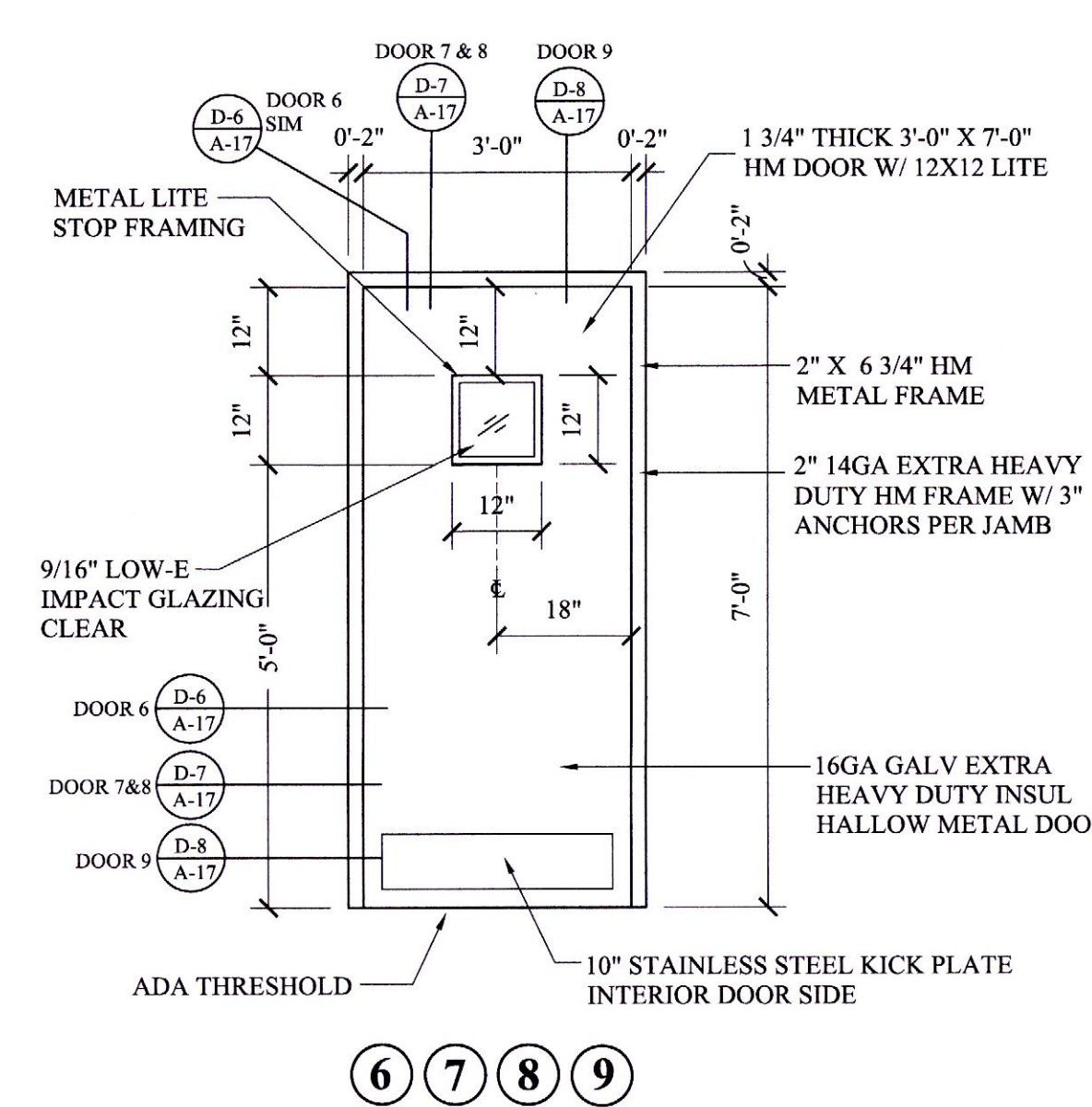
B B-1



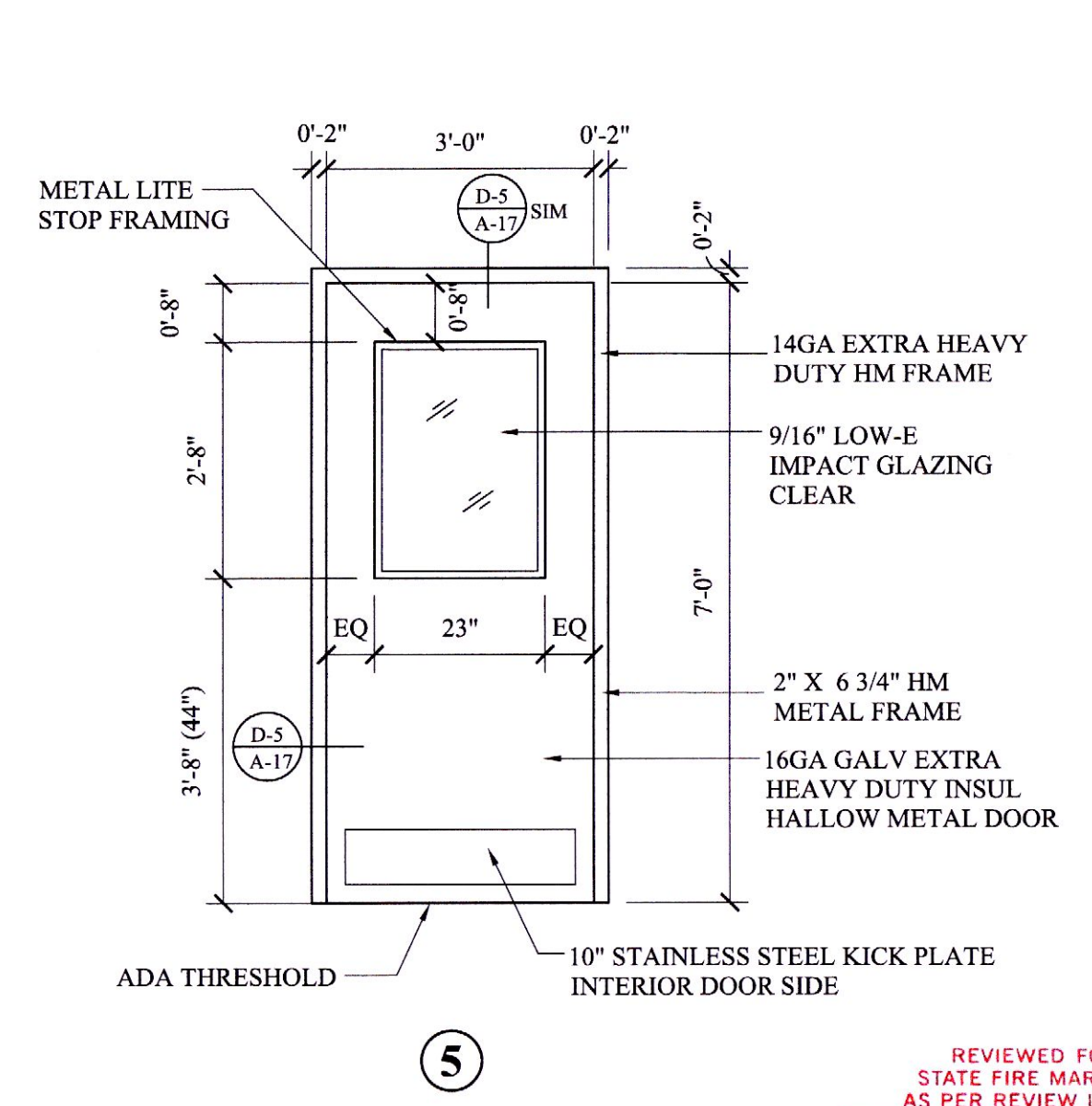
C



OLDCASTLE FG-5750 "STORMAX" 2 1/2" X 5" IMPACT STOREFRONT SYSTEM WITH END DAMS - CLEAR ANODIZED 1 5/16" GUARDIAN "SNX" 62/27 RESISTANT GLAZING.



6 7 8 9



5

EXTERIOR DOORS (STEEL DOORS)

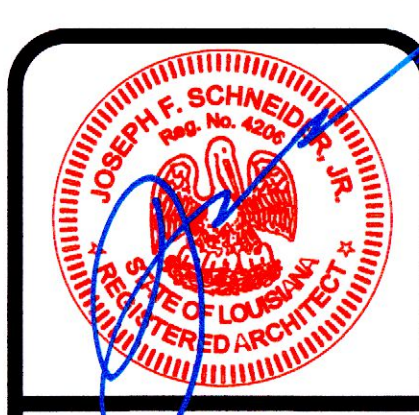
EQUAL TO CECCO "MEDALLION GALVANIZED INSULATED OR APPROVED EQUAL. VERTICAL STEEL STIFFENED WITH EXTRA HEAVY DUTY WELDED FRAMES. GLAZING EQUAL TO GUARDIAN 9/16" LAMINATED "STORM MAX" LOW-E CLEAR. CLEAR GLAZING, METAL DOOR AND FRAME TO BE LEVEL-3 STIFFENED CORE INSULATED SEAMLESS W/ VERTICAL STIFFENERS EVERY 6" OC, 7 GAUGE STEEL HINGE REINFORCEMENT. DOORS SHALL BE FACTORY PREPARED FOR HARDWARE. DOOR JAMB FRAMES SHALL BE PROVIDED WITH THREE (3) HEAVY DUTY ANCHORS EACH SIDE JAMB. PROVIDE WITH 14 GA CLOSER REINFORCEMENT- ACCEPTED EQUAL FROM CURRIES AND STEEL CRAFT OR APPROVED EQUAL. DOOR FRAMES EQUAL TO CECCO "SQ" WELDED HOLLOW METAL FRAMES. GAUGES AS INDICATED ON PLANS. EXTERIOR DOORS NO 5, 6, 7, 8, & 9 SHALL BE FURNISHED WITH DOOR RIM TYPE EXIT DEVICE.

REVIEWED FOR STATE FIRE MARSHAL AS PER REVIEW LETTER BY WILLIAM D. JONES, ARCHITECT, CBO
William D. Jones

NOTE: WINDOWS MARK (A) (B) (C) SHALL BE EQUAL TO OLDCASTLE SERIES FG-5750 "STORM MAX" HURRICANE IMPACT STOREFRONT 2 1/2" X 5" CLEAR ANODIZED IMPACT STOREFRONT SYSTEM W/ 1 5/16" "GUARDIAN "SNX" 62/27 LOW-E IMPACT RESISTANT GLAZING-INSULATED.

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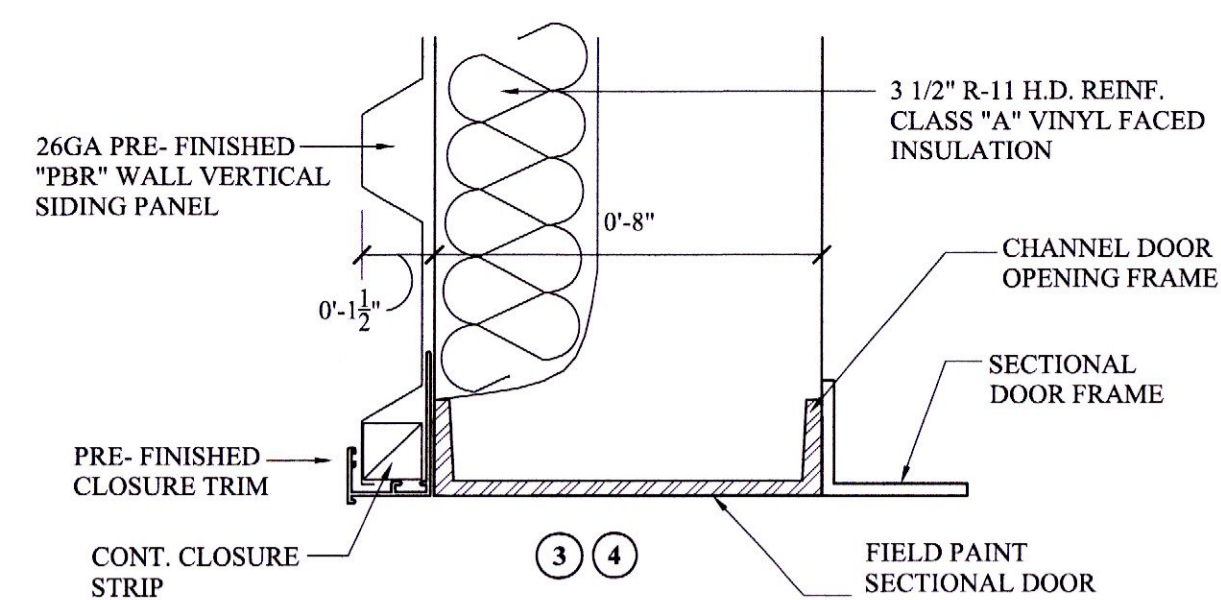
REVISIONS	BY



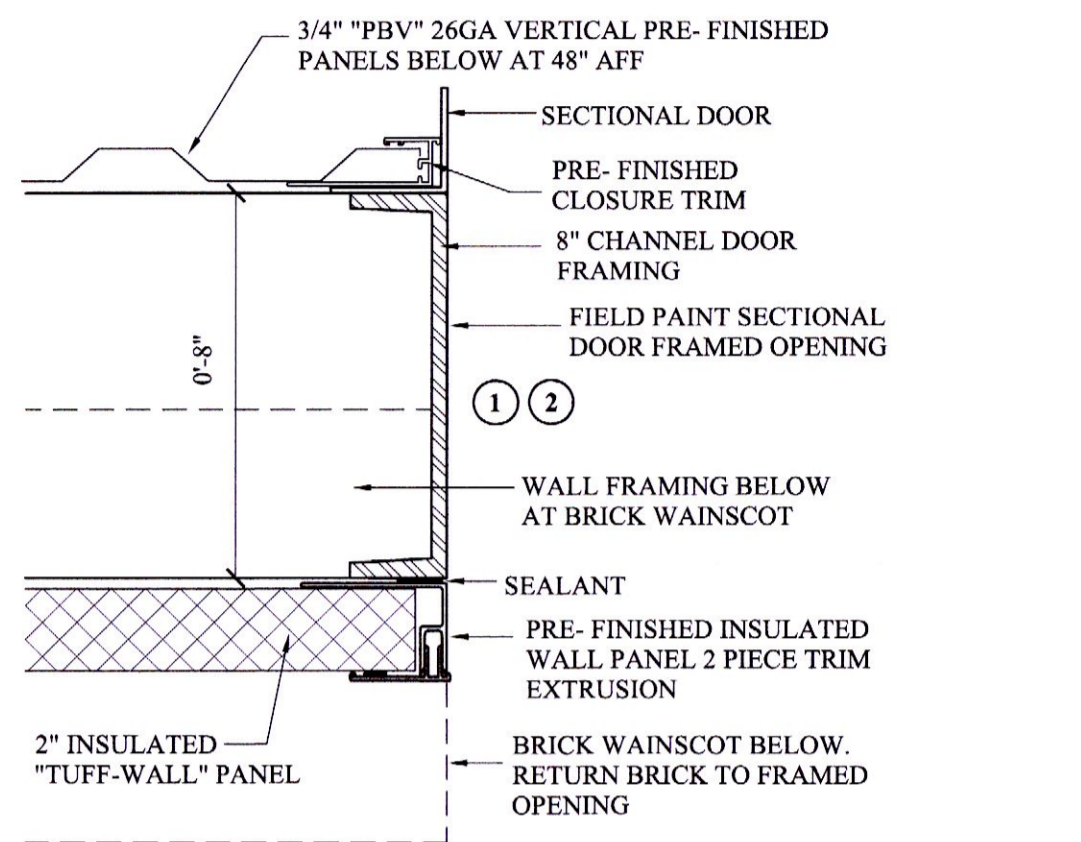
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ARCHITECT
LA #4206 MS #3020 AL #8724 FL #AR95908 TX #24294
105 EVANGELINE DRIVE, SLIDELL, LOUISIANA 70460
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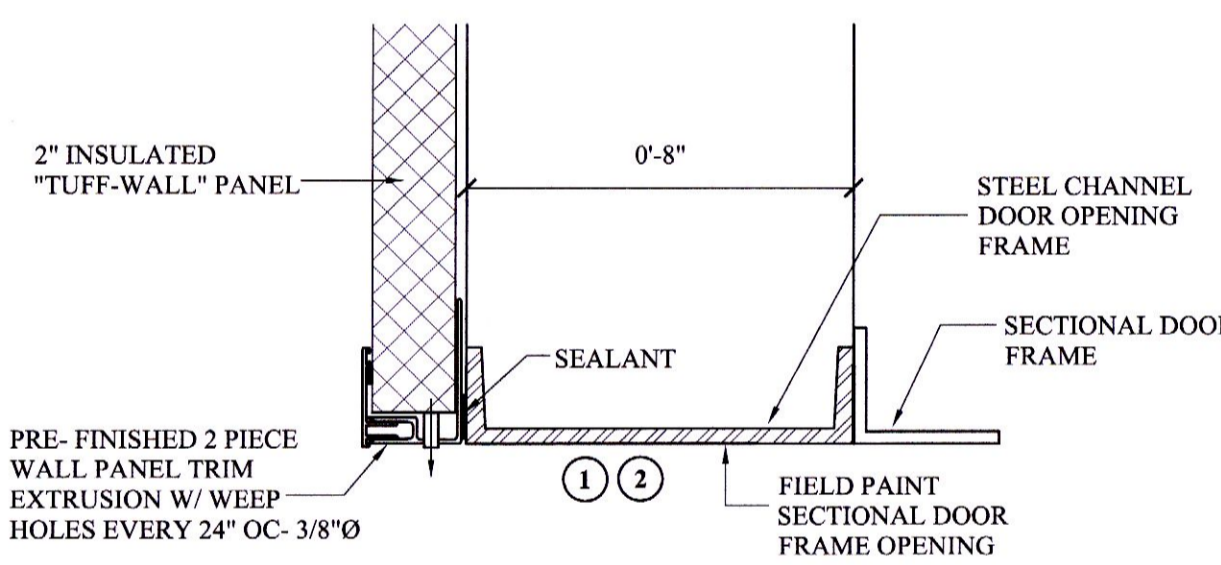
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SHEET A-16
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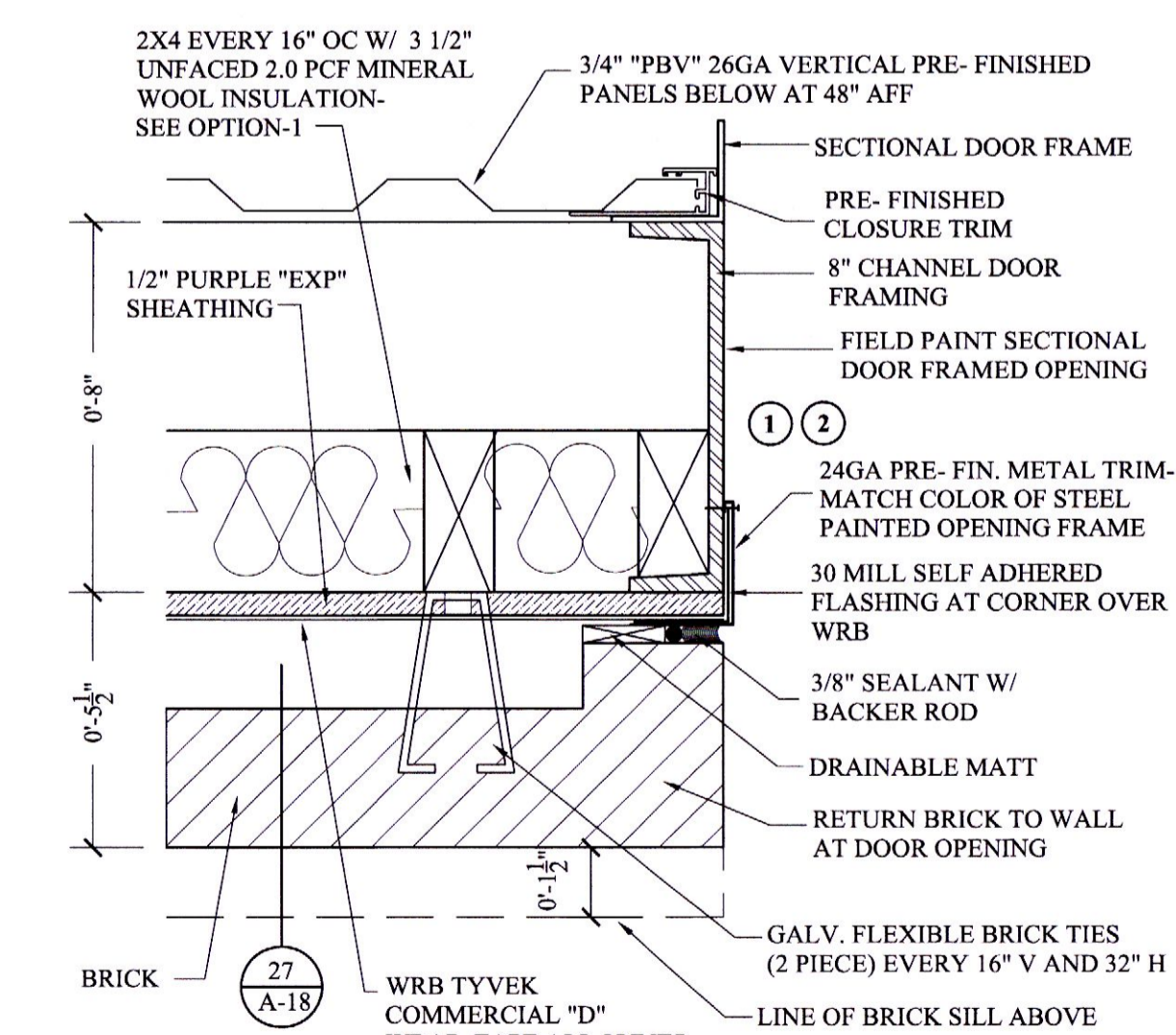
DETAIL- JAMB/ HEAD - DOORS 3, 4
SCALE: 3" = 1'-0"
D-1
A-17



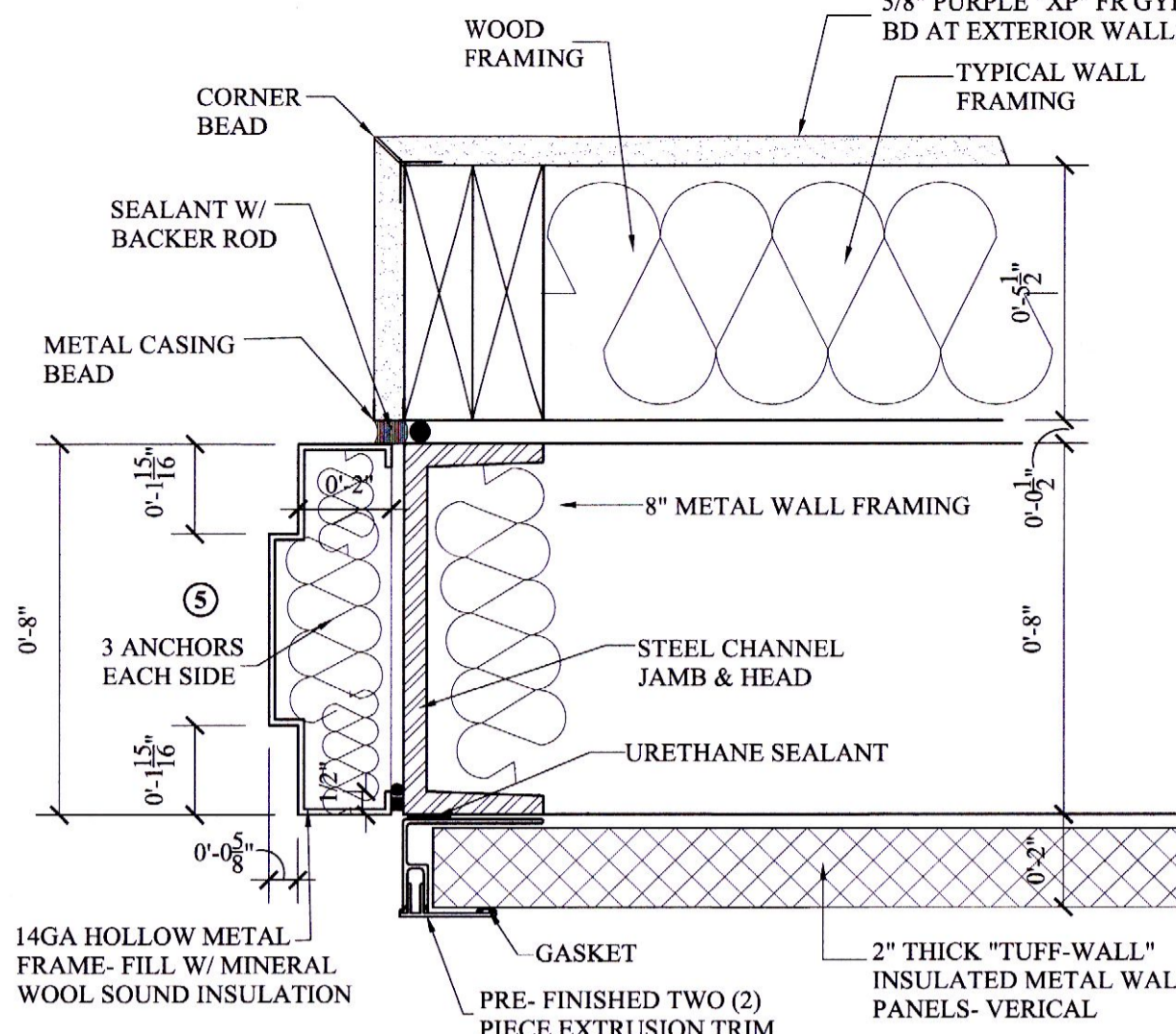
DETAIL- JAMB - DOORS 1, 2
SCALE: 3" = 1'-0"
D-2
A-17



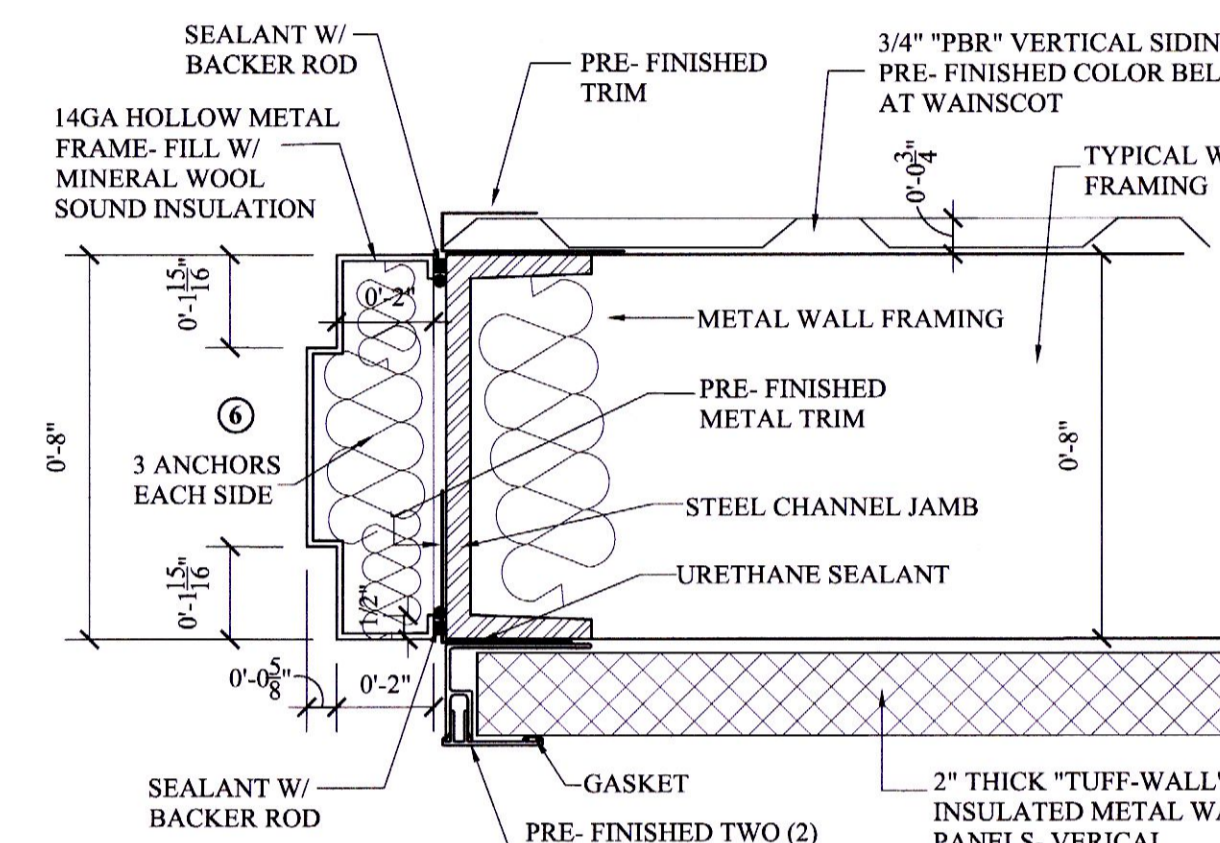
DETAIL- HEAD - DOORS 1, 2
SCALE: 3" = 1'-0"
D-3
A-17



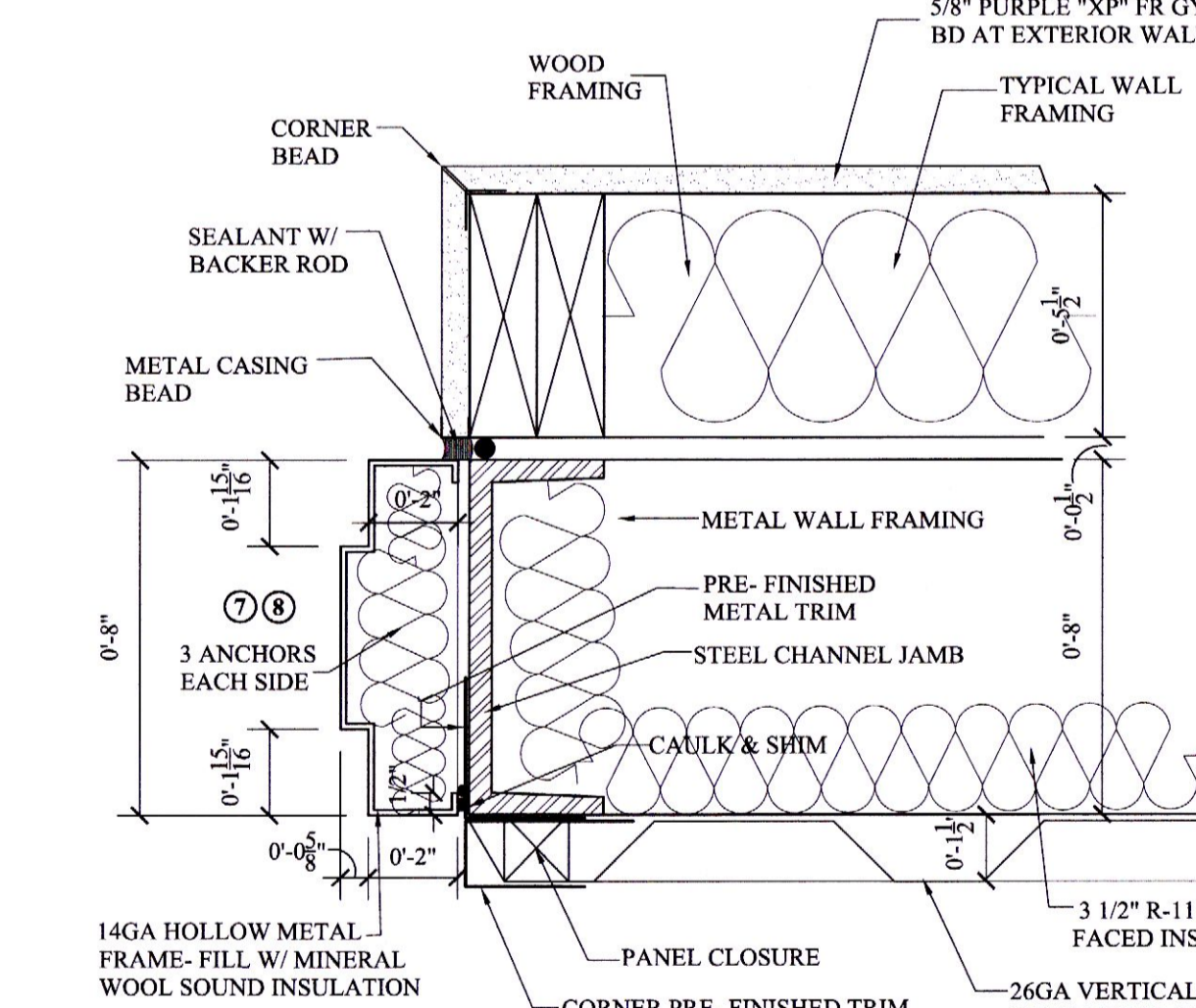
DETAIL- DOORS 1, 2
SCALE: 3" = 1'-0"
D-4
A-17



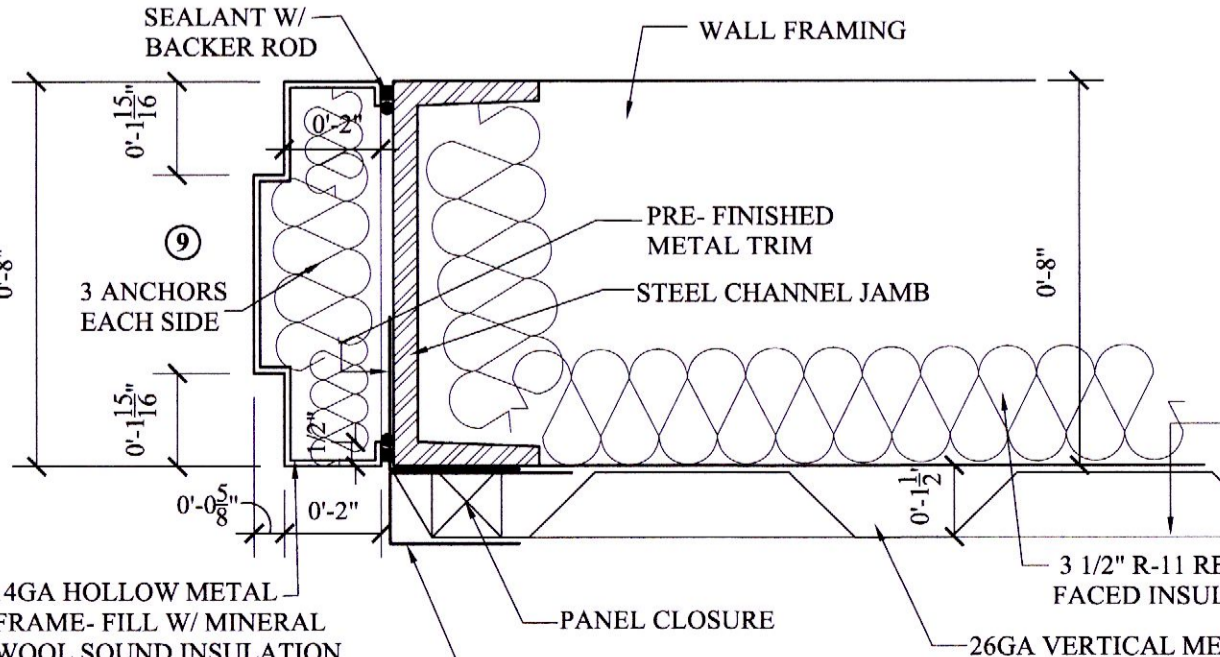
DETAIL- DOOR 5
SCALE: 3" = 1'-0"
D-5
A-17



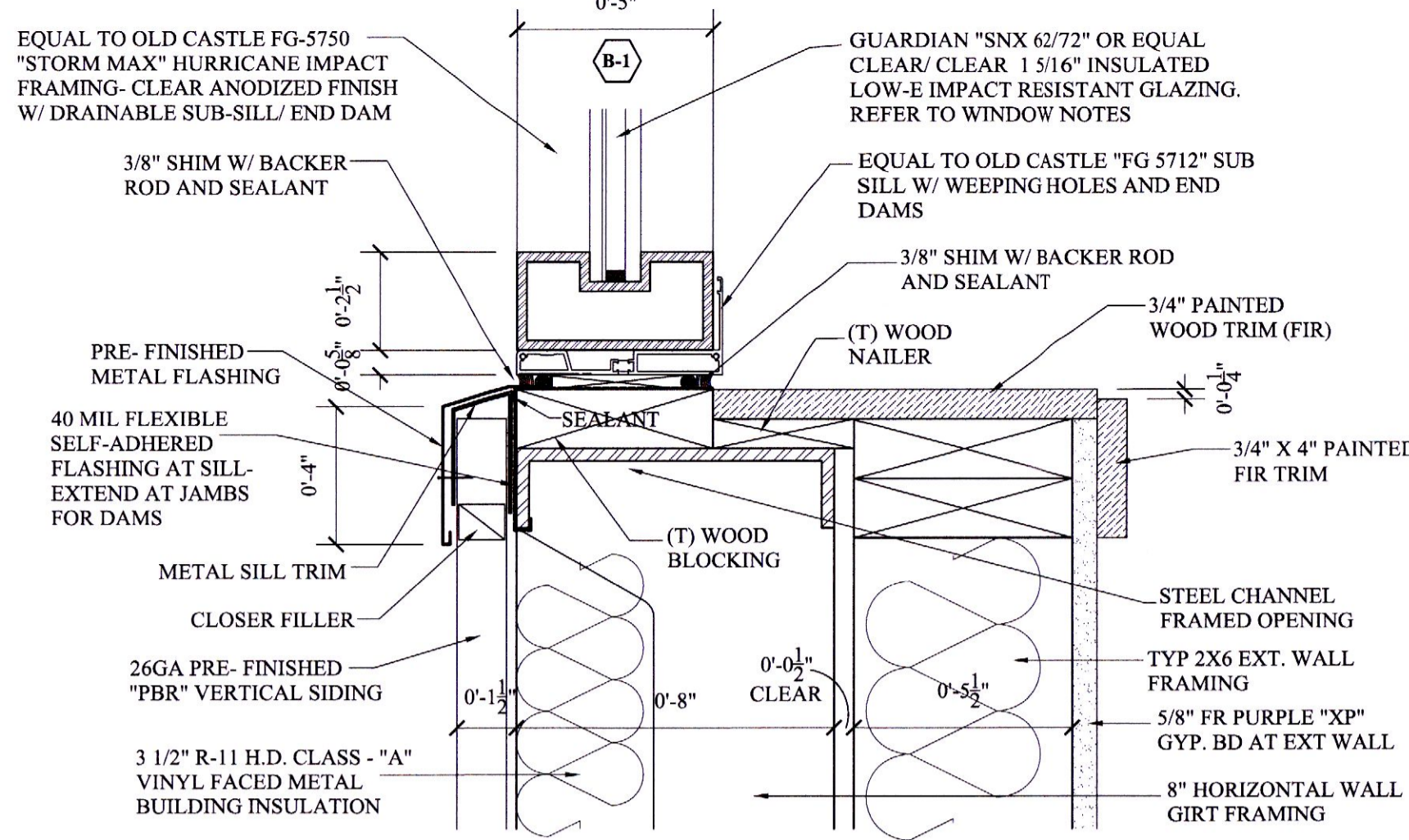
DETAIL- JAMB - DOOR 6
SCALE: 3" = 1'-0"
D-6
A-17



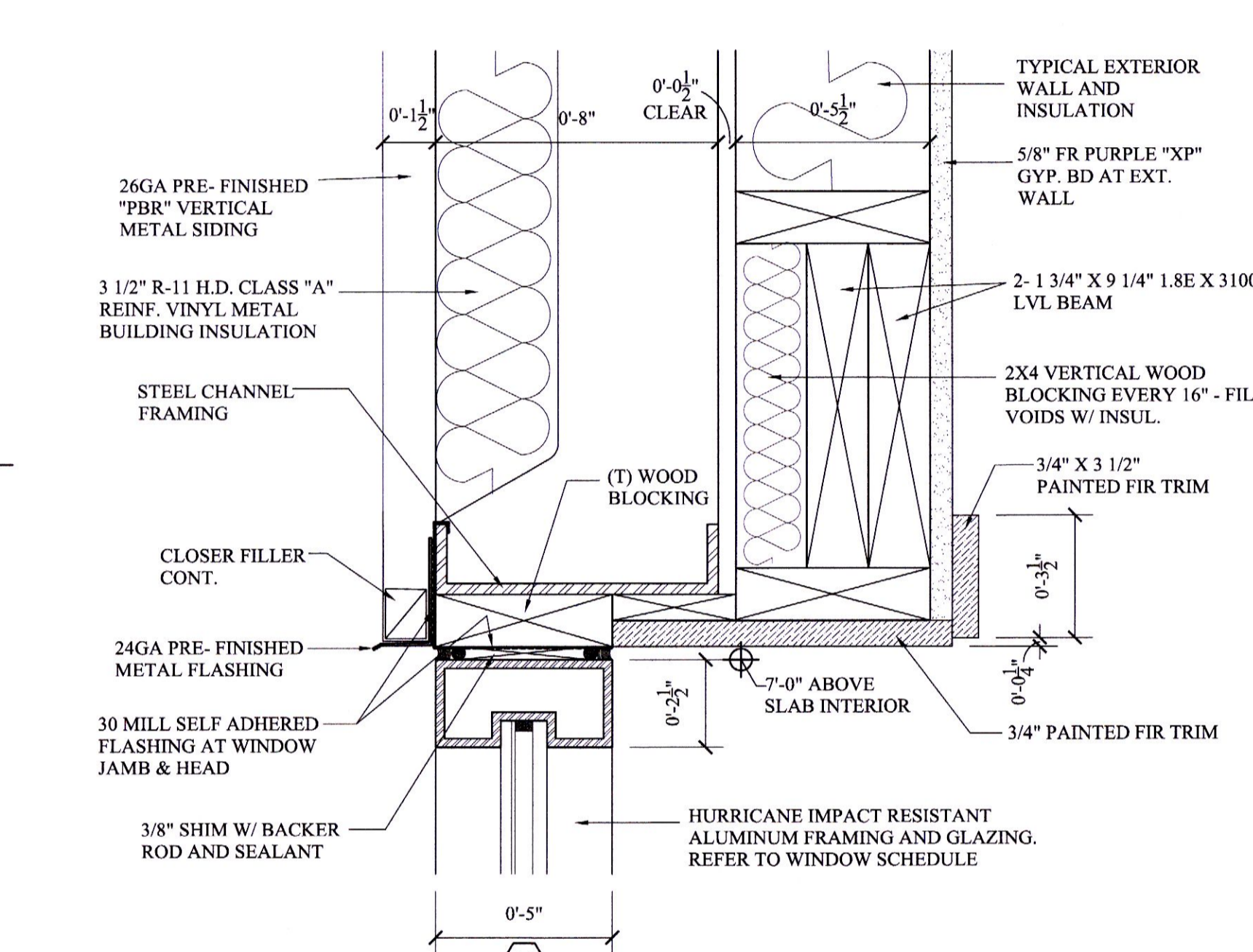
DETAIL- JAMB - DOORS 7, 8
SCALE: 3" = 1'-0"
D-7
A-17



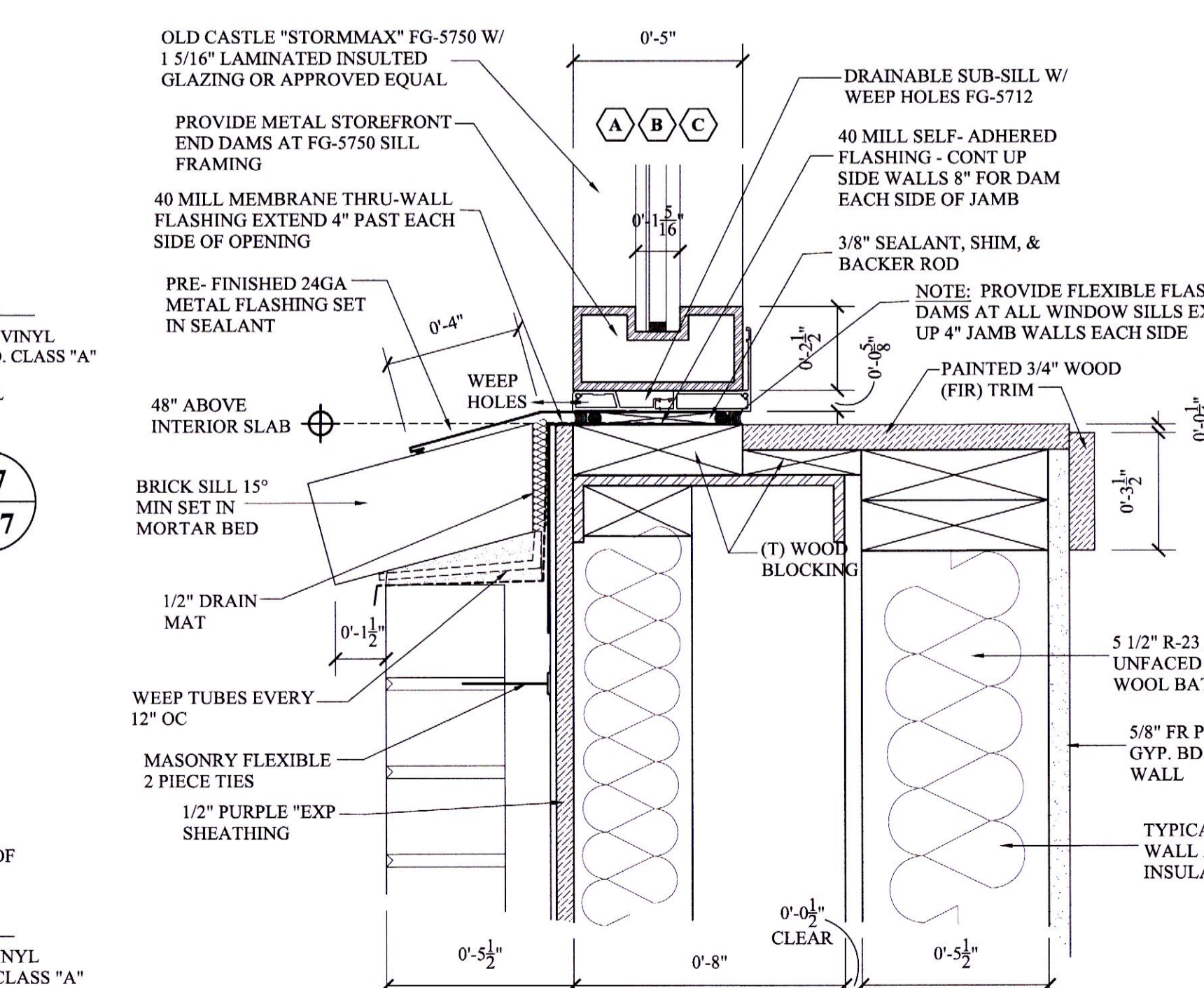
DETAIL- JAMB - DOOR 9
SCALE: 3" = 1'-0"
D-8
A-17



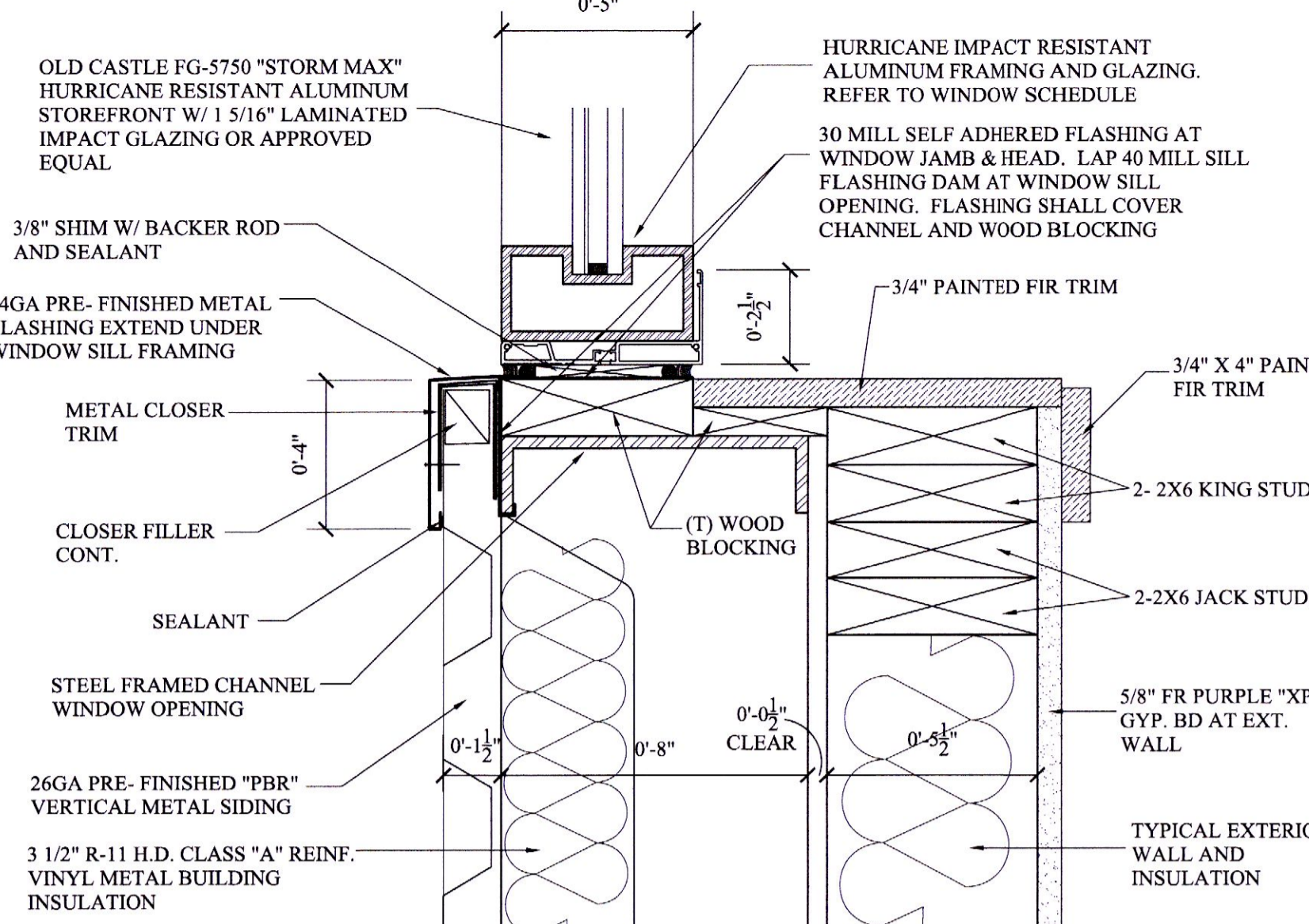
DETAIL- SILL - WINDOW B-1
SCALE: 3" = 1'-0"
W-1
A-17



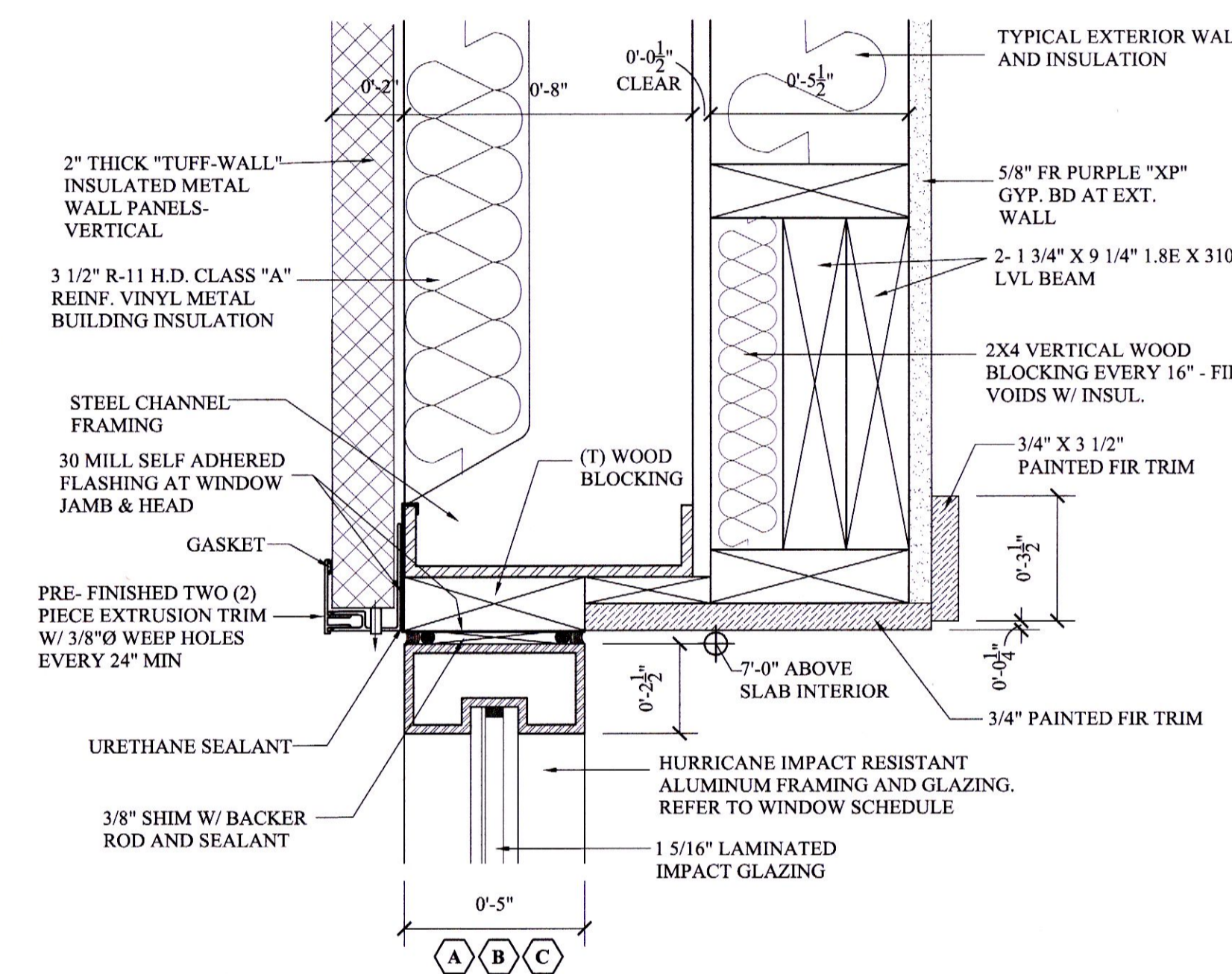
DETAIL- HEAD - WINDOW B-1
SCALE: 3" = 1'-0"
W-3
A-17



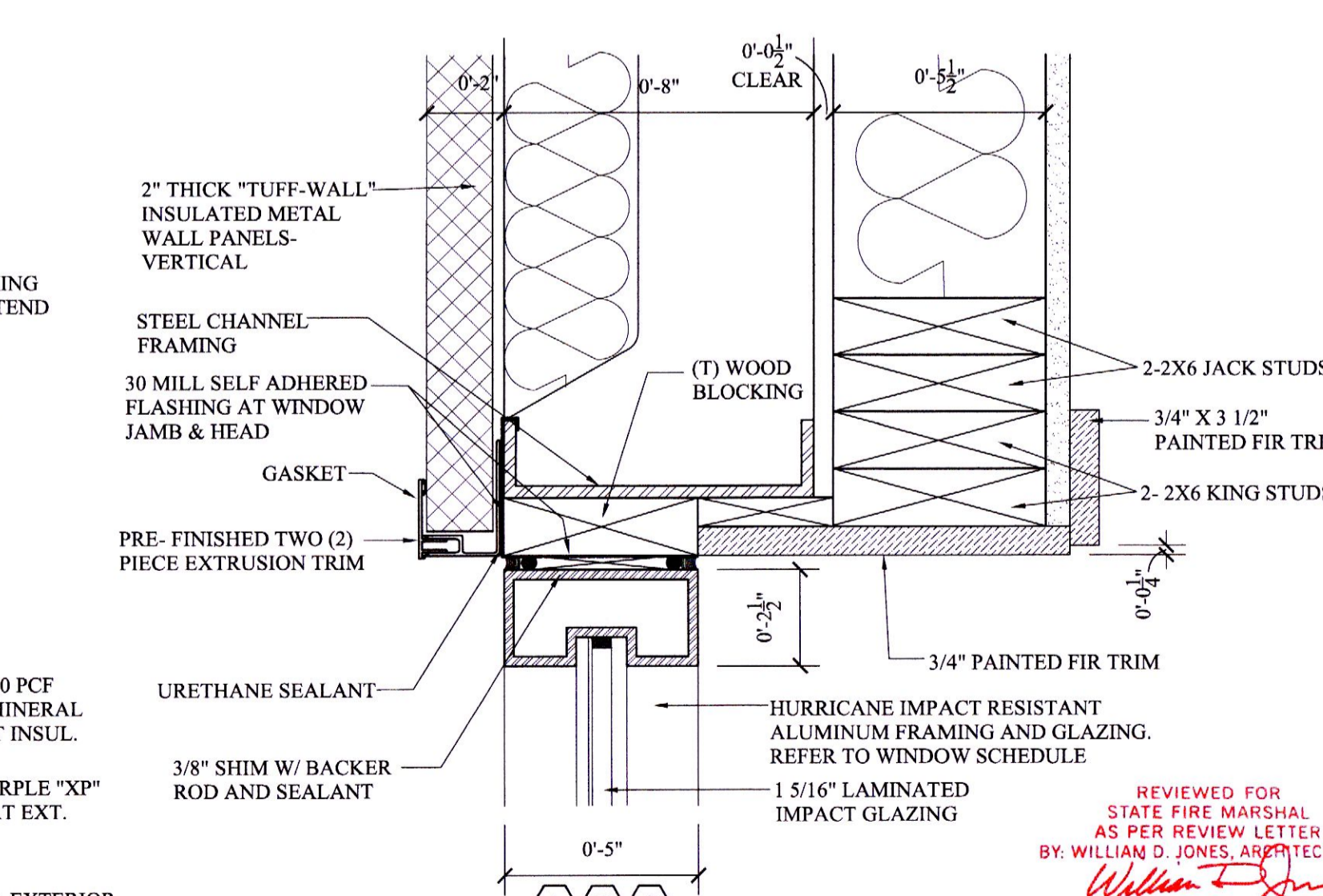
DETAIL- SILL - WINDOWS A, B, & C
SCALE: 3" = 1'-0"
W-6
A-17



DETAIL- JAMB - WINDOW B-1
SCALE: 3" = 1'-0"
W-2
A-17



DETAIL- HEAD - WINDOWS A, B, & C
SCALE: 3" = 1'-0"
W-4
A-17



DETAIL- JAMB - WINDOWS A, B, & C
SCALE: 3" = 1'-0"
W-5
A-17

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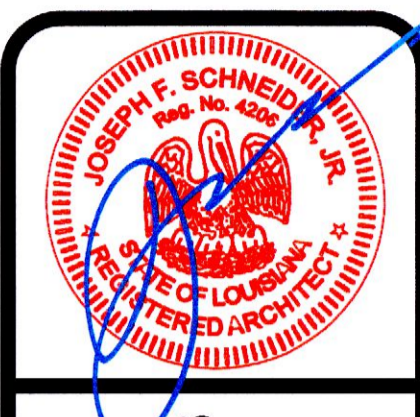


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DRAWN H. SCHNEIDER
CHECKED J. SCHNEIDER
DATE 03/20/2024
SCALE AS NOTED
JOB NO.
SHEET **A-17** OF SHEETS

REVISIONS	BY



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 J. SCHNEIDER
 DATE
 03/20/2024
 SCALE
 AS NOTED
 JOB NO.

SHEET
A-18
 OF SHEETS

HARDWARE SCHEDULE:

ACCEPTED MANUFACTURERS- HAGER, IVES, PEMKO, YALE, FALCON, SCHLAGE, VON DUPRIN, ADAM RITE, SARGENT, RUSSWIN-CORBIN, LCN, GYLN-JOHNSON, DORMA. ALL HARDWARE TO COMPLY WITH ANSI AND BHMA STANDARDS. SUBMIT TO ARCHITECT DURING CONSTRUCTION STAGE.

- HW-1:** DOOR NO.5 -(NON-RATED) EXTERIOR DOOR
- 1 1/2 PAIR 4 1/2" X 4 1/2" "BB" HD NON REMOVABLE PIN HINGES STEEL US26D
 - 3- DOOR SILENCERS
 - 1- LEVER CYLINDER LOCKSET US26D HEAVY DUTY GRADE-1, F-82 FUNCTION.
 - 1- HEAVY DUTY SURFACE MOUNT CLOSER US26D, GRADE-1
 - 1- DOOR STOP
 - 2- 10" 18GA STAINLESS STEEL KICK PLATES US26D (1 EACH DOOR SIDE)
 - 1- ADA THRESHOLD
 - 1- SET WEATHERSTRIPPING
 - 1- (BASE) DOOR SWEEP W/ RAIN CAP MILL FINISH ALUMINUM
 - 1- RAIN DRIP TOP OF DOOR- MILL FINISH ALUMINUM.
 - 1- DOOR ADA SIGN (ALLOWANCE) "EXIT"

- HW-2:** DOOR NO. 6, 7, 8, 9- (NON-RATED) EXTERIOR ENTRY
- 1 1/2 PAIR 4 1/2" X 4 1/2" "BB" HD NON REMOVABLE PIN HINGES STEEL US26D
 - 3- DOOR SILENCERS
 - 1- LEVER CYLINDER LOCKSET US26D HEAVY DUTY GRADE-1, F-82 FUNCTION.
 - 1- HEAVY DUTY SURFACE MOUNT CLOSER US26D, GRADE-1
 - 1- DOOR STOP
 - 1- 10" 18GA STAINLESS STEEL KICK PLATES US32D (INTERIOR SIDE)
 - 1- ADA THRESHOLD
 - 1- SET WEATHERSTRIPPING
 - 1- (BASE) DOOR SWEEP W/ RAIN CAP MILL FINISH ALUMINUM
 - 1- RAIN DRIP TOP OF DOOR- MILL FINISH ALUMINUM.
 - 1- DOOR SIGN EACH DOOR (ALLOWANCE) "EXIT"- ADA

- HW-3:** DOOR NO. 10, 10A (90 MIN RATED) INTERIOR ENTRY TO LIVING ROOM
- 1 1/2 PAIR 4 1/2" X 4 1/2" "BB" HD NON REMOVABLE PIN HINGES STEEL US26D
 - 3- DOOR SILENCERS
 - 1- LEVER CYLINDER LOCKSET US26D HEAVY DUTY GRADE-1, F-82 FUNCTIONS.
 - 1- HEAVY DUTY SURFACE MOUNT CLOSER US26D MAGNETIC WITH LEVER OPERATION. INSIDE LIVING QUARTERS LEVER FUNCTION OVER RIDE FUNCTION
 - 1- SURFACE MOUNT HEAVY DUTY CLOSER US26D, GRADE-1
 - 1- DOOR STOP
 - 2- 10" 18GA STAINLESS STEEL KICK PLATES US32D (1 EACH DOOR SIDE)
 - 1- SET WEATHERSTRIPPING
 - 1- BASE DOOR SWEEP
 - 1- RAIN DRIP TOP OF DOOR- MILL FINISH LIVING AREA SIDE

- HW-3A:** DOOR NO. 19- (90 MINUTE RATED) MECHANICAL ROOM
- 1 1/2 PAIR 4 1/2" X 4 1/2" "BB" HD HINGES STEEL US26D
 - 3- DOOR SILENCERS
 - 1- LEVER CYLINDER LOCKSET US26D HEAVY DUTY GRADE-1, F-86 STOREROOM FUNCTION.
 - 1- SURFACE MOUNT HEAVY DUTY CLOSER US26D, GRADE-1
 - 1- DOOR STOP
 - 1- SET WEATHERSTRIPPING
 - 1- DOOR BASE SWEEP

- HW-4, 4A:** DOOR NO. 11, 14, 17, 18- (NON-RATED) WORK AREA, MEN'S TOILET ROOMS (20 MINUTE DOOR 4A) - BUNK ROOMS 1, 2
- 1 1/2 PAIR 4 1/2" X 4 1/2" "BB" HD HINGES STEEL US26D
 - 3- DOOR SILENCERS
 - 1- LEVER CYLINDER LOCKSET US26D HEAVY DUTY GRADE-1, F-75 PASSAGE FUNCTION.
 - 1- SURFACE MOUNT HEAVY DUTY CLOSER US26D, GRADE-1
 - 1- DOOR STOP
 - 2- 10" 18GA STAINLESS STEEL KICK PLATES US32D
 - 1- DOOR SIGN (ALLOWANCE)

- HW-5:** DOOR NO. 12, 16- (NON-RATED) TOILET-1, WOMEN'S TOILET
- 1 1/2 PAIR 4 1/2" X 4 1/2" "BB" HD HINGES STEEL US26D
 - 3- DOOR SILENCERS
 - 1- LEVER CYLINDER LOCKSET US26D HEAVY DUTY GRADE-1, F-76 PRIVACY FUNCTION.
 - 1- SURFACE MOUNT HEAVY DUTY CLOSER US26D, GRADE-1
 - 1- 10" 18GA STAINLESS STEEL KICK PLATES US32D
 - 1- DOOR STOP
 - 1- DOOR SIGN (ALLOWANCE)

- HW-6:** DOOR NO. 13, 15, 20 (NON-RATED) LINEN, SPRINKLER ROOM, SERVER ROOM
- 1 1/2 PAIR 4 1/2" X 4 1/2" "BB" HD HINGES STEEL US26D
 - 3- DOOR SILENCERS
 - 1- LEVER CYLINDER LOCKSET US26D HEAVY DUTY GRADE-1, F-8 STOREROOM FUNCTION.
 - 1- SURFACE MOUNT HEAVY DUTY CLOSER US26D, GRADE-1
 - 1- DOOR STOP
 - 1- DOOR SIGN "SPRINKLER" ROOM

NOTE:
 DOORS NO. 1 & 2 EQUAL TO CLOPAY MODEL EX3729 "EXTREME" SERIES SECTIONAL DOORS. DOORS SHALL BE INSULATED STEEL FULL VIEW DOORS, 2" THICK, 3 LAYER POLYURETHANE, MINOR RIB, STUCCO EMBOSS FINISH, 27 GA. INTERIOR AND EXTERIOR, R-18.4 SOLID PANELS, R-8.0 W/ GLAZING, THREMA BRAIL DOOR. DOOR SHALL BE W6 WIND RATING REINFORCED. PROVIDE WITH STANDARD LIFT OPERATION. COLOR SHALL BE "RED" POWDER COAT FINISH.

OPERATION SPEED UPWARD 24" PER SECOND. PROVIDE WITH CLOPAY EXTREME SERIES HIGH PERFORMANCE DOOR SYSTEM BY LIFTMASTER, 1.25 HP, 120/230V/1 PHASE. TRACK SHALL BE 2" STANDARD FRAMING. PROVIDE DOOR OPERATOR WITH AUXILIARY CHAIN HOIST, LIMIT SWITCH, AUTOMATIC SAFETY SENSOR (ELECTRIC). PROVIDE WITH DISCONNECT SWITCH, NEMA-1, AND NEMA-1 CONTROL STATION. PROVIDE WITH 3 BUTTON OPERATOR PANEL.

DOORS NO. 3 & 4 EQUAL TO CLOPAY EXTREME SERIES NO. EX3724. W6 WIND LOADING AND DOOR REINFORCING. COLOR (STANDARD) RANGE SELECTED BY OWNER. STEEL DOOR SECTIONS 2" THICK R18.4, MINOR RIB WITH STUCCO EMBOSSED FINISH. DOOR OPERATIONS SAME AS DOORS NO. 1 & 2.

ITEMS FURNISHED AND INSTALLED BY OWNERS:

NOTE: ALL LOCKERS, BUNKS, BEDS, AND MATTRESSES SHALL BE FURNISHED AND INSTALLED BY OWNER.

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DOOR NOTES:

- ALL DOOR HARDWARE SHALL BE HEAVY DUTY GRADE-1/ FINISHED SELECTED BY OWNER AS INDICATED ON PLANS.
- THE MAIN EXTERIOR DOORS ARE PERMITTED TO BE EQUIPPED WITH KEY- OPERATED LOCK DEVICE FROM THE EGRESS SIDE. PROVIDE A READILY VISIBLE DURABLE SIGN IS POSTED ON THE EGRESS SIDE ON OR ADJACENT TO THE LOCKING DOOR STATING "THIS DOOR TO REMAIN UNLOCKED WHEN BUILDING IS OCCUPIED". THE SIGN SHALL BE IN LETTERS 1" HIGH IN CONTRASTING BACKGROUND.
- THRESHOLDS AT DOORWAYS SHALL NOT EXCEED 1/2" RAISED THRESHOLD AND FLOOR LEVEL CHANGES THAN 1/4" AT DOORWAYS SHALL BE BEVELED WITH A SLOPE NOT GREATER THAN 1 UNIT VERTICAL AND 2 UNITS HORIZONTAL.
- EGRESS DOORS SHALL BE READILY OPERABLE FROM THE EGRESS SIDE WITHOUT THE USE OF A KEY OR SPECIAL KNOWLEDGE OR EFFORT.
- UNLESS OTHERWISE SPECIALLY PERMITTED, SINGLE FIRE DOORS AND BOTH LEAVES OF PAIRS OF SIDE HINGED SWINGING FIRE DOOR SHALL BE PROVIDED WITH AN ACTIVE LATCH BOLT THAT WILL SECURE THE DOOR WHEN IT IS CLOSED. NO HARDWARE ARE ALLOWED ON BOLTED LEAF.
- ACCESSIBLE DOORS SHALL BE OPERABLE WITH A TYPE OF HARDWARE DESIGNED TO PROVIDE PASSAGE WITHOUT REQUIRING THE ABILITY TO GRASP THE OPENING HARDWARE. THE UNLATCHING OF MEANS OF EGRESS DOORS SHALL NOT REQUIRE MORE THAN ONE OPERATION.
- LEVER OPERATED MECHANISMS AND U-SHAPED HANDLES ARE ACCEPTABLE DESIGNS.
- ALL FIRE RATED DOOR AND FRAME ASSEMBLES SHALL HAVE RATED LABELS BY UL, FM, OR WH. ALL LABELS SHALL B ATTACHED PERMANENTLY AND NO PAINTING ALLOWED OVER THE LABELS.
- ALL HOLLOW METAL FRAMES SHALL BE WELDED CENTER EQUAL RABBIT STOP. REFER TO DOOR SCHEDULE FOR GAUGE OF DOORS AND FRAMES. ALL FRAMES AND DOORS BE PREPARED FOR HARDWARE AS SPECIFIED. DOORS AND FRAMES EQUAL TO CECO, CURRIES, & REPUBLIC. FRAME TO BE EQUAL TO CECO "SQ" SERIES.
- ALL INTERIOR HOLLOW METAL FRAMES WRAP AROUND TYPE. NO KNOCK DOWN FRAMES ALLOWED. SUBMIT SHOP DRAWINGS FOR ALL HOLLOW METAL WORK TO ARCHITECT FOR REVIEW AND APPROVAL.
- ALL BUILDING HARDWARE SHOP DRAWINGS SHALL SUBMITTED TO ARCHITECT FOR APPROVAL.
- ALL PLAIN SLICED PRE- FINISHED INTERIOR SOLID CORE WOOD DOORS SHALL BE EQUAL TO MARSHFIELD "A" GRADE 1 3/4" THICK PARTICLE BOARD CORE "SIGNATURE SERIES" BIRCH VENEER. COLOR SELECTED B OWNER FROM STANDARD COLOR RANGE. DOORS SHALL BE FLUSH HEAVY DUTY GRADE 5-PLY "WDM-A" PREMIUM GRADE NATURAL BIRCH. DOOR EQUAL TO GRAHAM, MASONITE, EGGERS, AND MOHAWK ALLOWED. DOORS PLAIN SLICED 5 PLY WHITE BIRCH PARTICLE CORE.
- ALL HARDWARE GRADE-1 HEAVY DUTY- US26D
- COORDINATE WITH OWNER MASTER AND GRANDMASTER KEYING.
- ALL EXTERIOR DOORS PROVIDE WITH NON REMOVABLE "BB" HINGES.
- ALL EXTERIOR THRESHOLDS SHALL BE "ADA" COMPLIANT.

PROJECT ALLOWANCES:

ALLOWANCES ARE FOR PURCHASE OF MATERIAL ONLY. ALLOWANCES SHALL NOT INCLUDE COST OF DELIVERY AND ANY APPLICABLE TAXES.

ALLOWANCES DO NOT INCLUDE ANDY COST FOR LABOR , INSTALLATION, OR TRANSPORTATION TO SITE. CONTRACTORS SHALL PROVIDE DOCUMENTING FOR ALL COST RELATING TO ITEMS BASED ON ALLOWANCES.

KITCHEN ALLOWANCES - \$10,000

- ONE (1) 30" WIDE ELECTRIC SLIDE IN RANGE
- ONE (1) 24" WIDE UNDER COUNTER DISHWASHER
- ONE (1) 1/2 HP GARBAGE DISPOSAL
- ONE (1) ELECTRIC COUNTER TOP 120V MICROWAVE OVEN
- THREE (3) 36" WIDE REFRIGERATORS W/ ICE MAKER CONNECTIONS.
- ONE (1) TOP LOAD MOUNT HEAVY DUTY WASHER MACHINE 120V
- ONE (1) FRONT LOAD ELECTRIC HEAVY DUTY DRYER W/ VENTING (240V) DUCTING AND WALL CAP

- NOTE:**
- ALLOWANCE FOR KITCHEN APPLIANCES IS FOR PURCHASE OF MATERIAL ONLY, NOT INCLUDING TAXES.
 - CONTRACTOR SHALL INCLUDE IN THEIR BID THE COST TO INSTALL ALL APPLIANCES SEPARATE FROM ALLOWANCE COST.
 - COLOR OF ALL APPLIANCES SELECTED BY OWNER.
 - KITCHEN HOOD AND WET EXTINGUISHER SYSTEM FURNISHED AND INSTALLED BY GENERAL CONTRACTOR. REFER TO NOTES REGARDING THE 36" HOOD AND EXTINGUISHER SYSTEM.

SIGNAGE ALLOWANCES - \$1,500

- ONE (1) MEN (HC) ADA
- ONE (1) WOMEN (HC) ADA
- ONE (1) BUNK ROOM-1
- ONE (1) BUNK ROOM -2
- ONE (1) UNI-SEX TOILET (HC) ADA
- FIVE (5) NON LUMINATED ADA WALL MOUNTED "EXIT" SIGNS

KITCHEN CABINETS (NOT INCLUDING COUNTERTOPS) & KITCHEN PANTRIES (3) THREE EACH ALLOWANCES - \$25,000

KITCHEN CABINETS AND PANTRIES SHALL BE "KCMMA" FRAMED CERTIFICATION CONSTRUCTION WITH FULL OVERLAY. CABINETS SHALL HAVE PAINT FINISH. OPTIONAL SHOP FABRICATED PAINT WOOD CABINETS CONFORMING TO AWI "CUSTOM" STANDARDS ACCEPTABLE. MILL WORK SHOP DRAWINGS FOR ALL CABINETS REQUIRED FOR APPROVAL. COLOR AND FINISHED APPROVED BY ARCHITECT.

KITCHEN COUNTER TOPS ALLOWANCES - \$85.00 SF

COUNTER TOP INCLUDING BACK SPLASHES. EQUAL TO SILESTONE QUARTZ SOLID SURFACE TOP AND SPLASH. MATERIAL TO BE 3 CM THICK. TOP EDGE TO BE STRAIGHT BEVEL. BACK SPLASH SQUARE FINISHED EDGE.

BUILDING HARDWARE ALLOWANCES - \$18,000

GRADE 1 HEAVY DUTY US26D AS SPECIFIED. REFER TO HARDWARE SCHEDULE.

BUNK ROOM STORAGE / WARDROBE CABINETS (8) EIGHT EACH ALLOWANCES - \$20,000

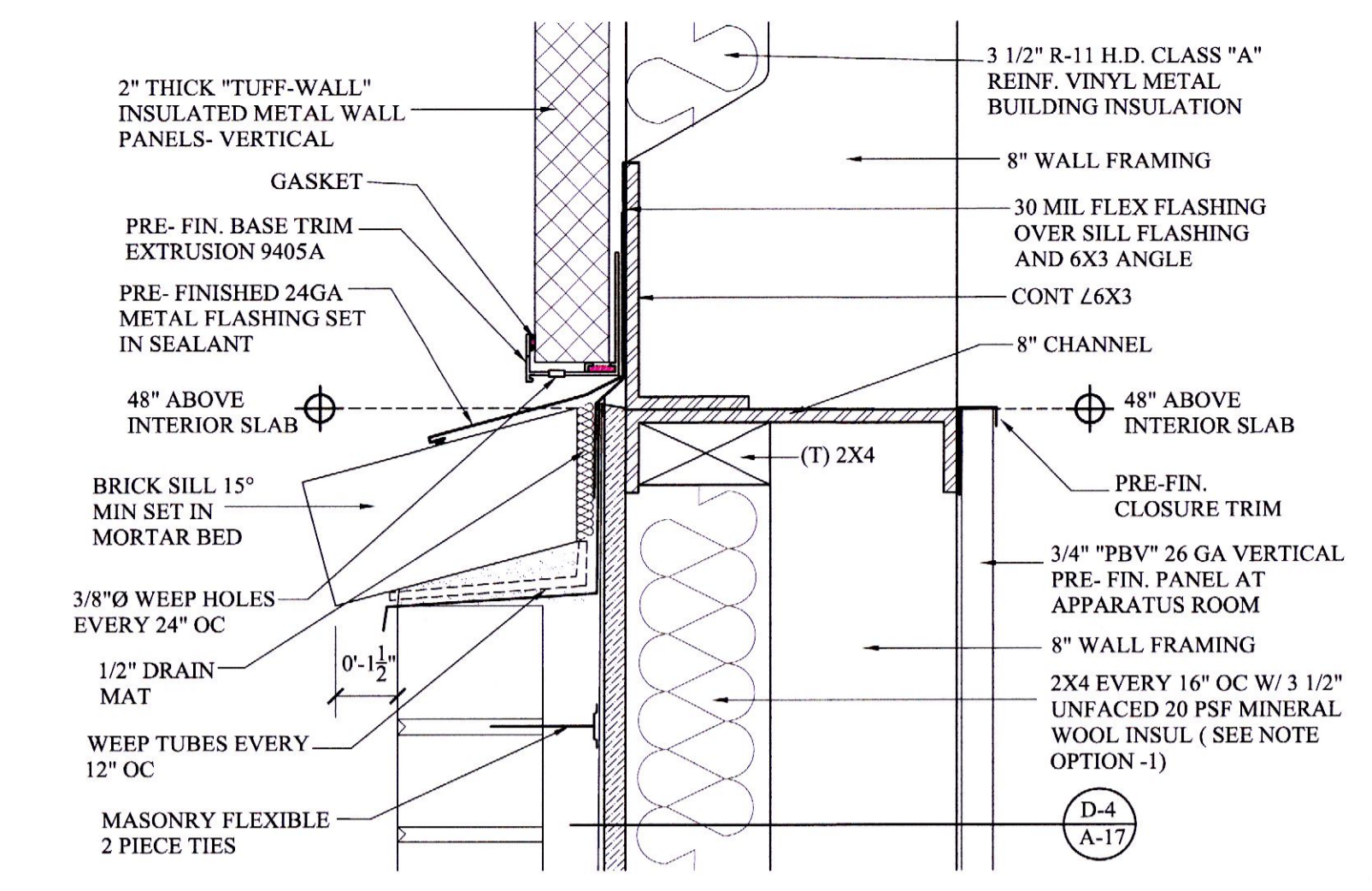
- ITEMS FURNISHED AND INSTALLED BY OWNER.
- METAL HALL LOCKERS
 - BEDDING
 - BED FRAMES
 - CABLE TV CONNECTIONS, RADIO, TELEPHONE.

NOTE: CONTRACTOR SHALL PROVIDE ALL JUNCTION BOXES AND CONDUITS REQUIRED FOR CABLE, RADIO, TELEPHONE. CONTRACTOR SHALL COORDINATE LOCATION WITH OWNER.

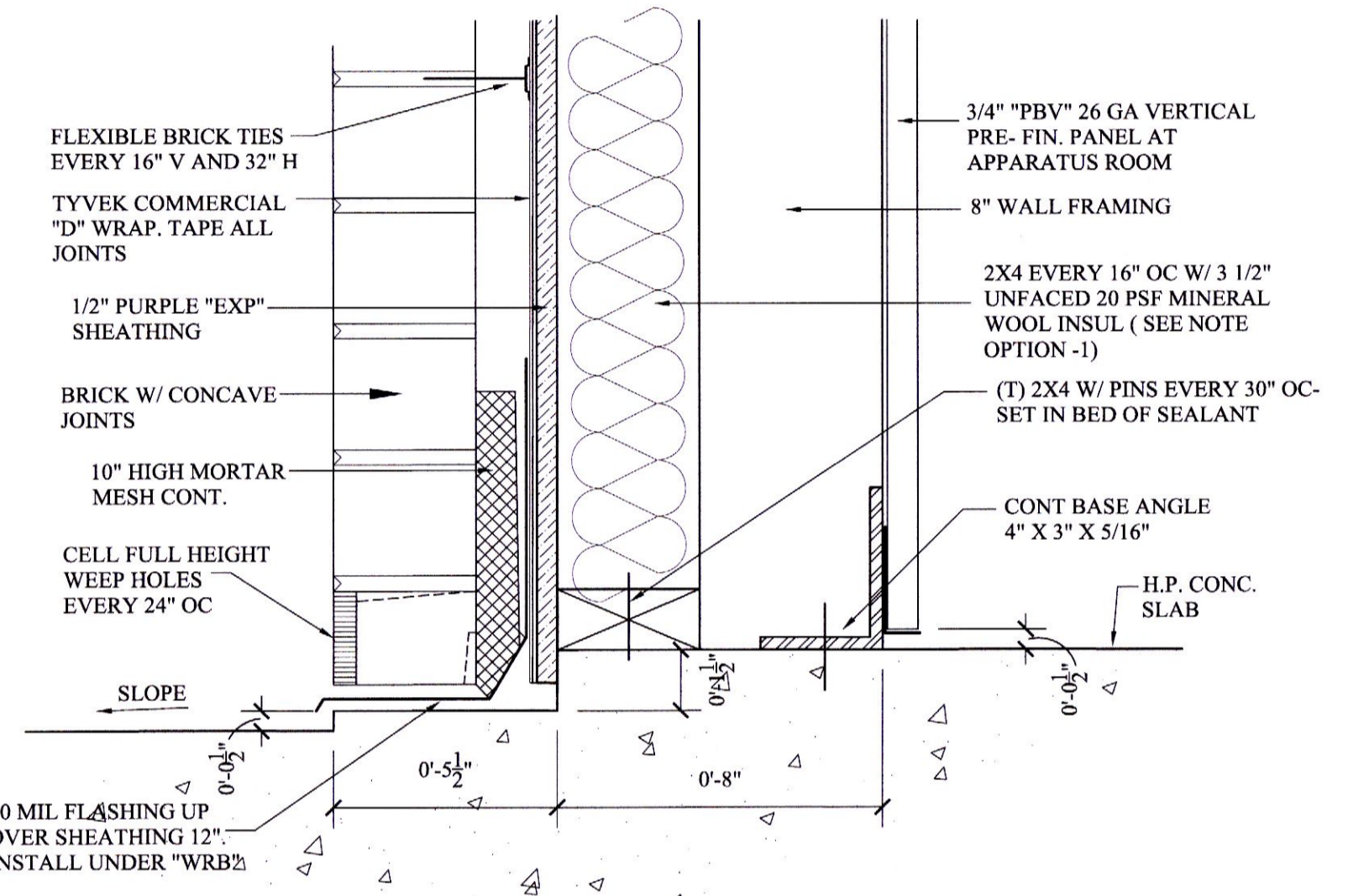
BRICK ALLOWANCES - \$850 PER THOUSAND

QUEEN SIZE BRICK. COLOR OF BRICK AND MORTAR BY OWNER.

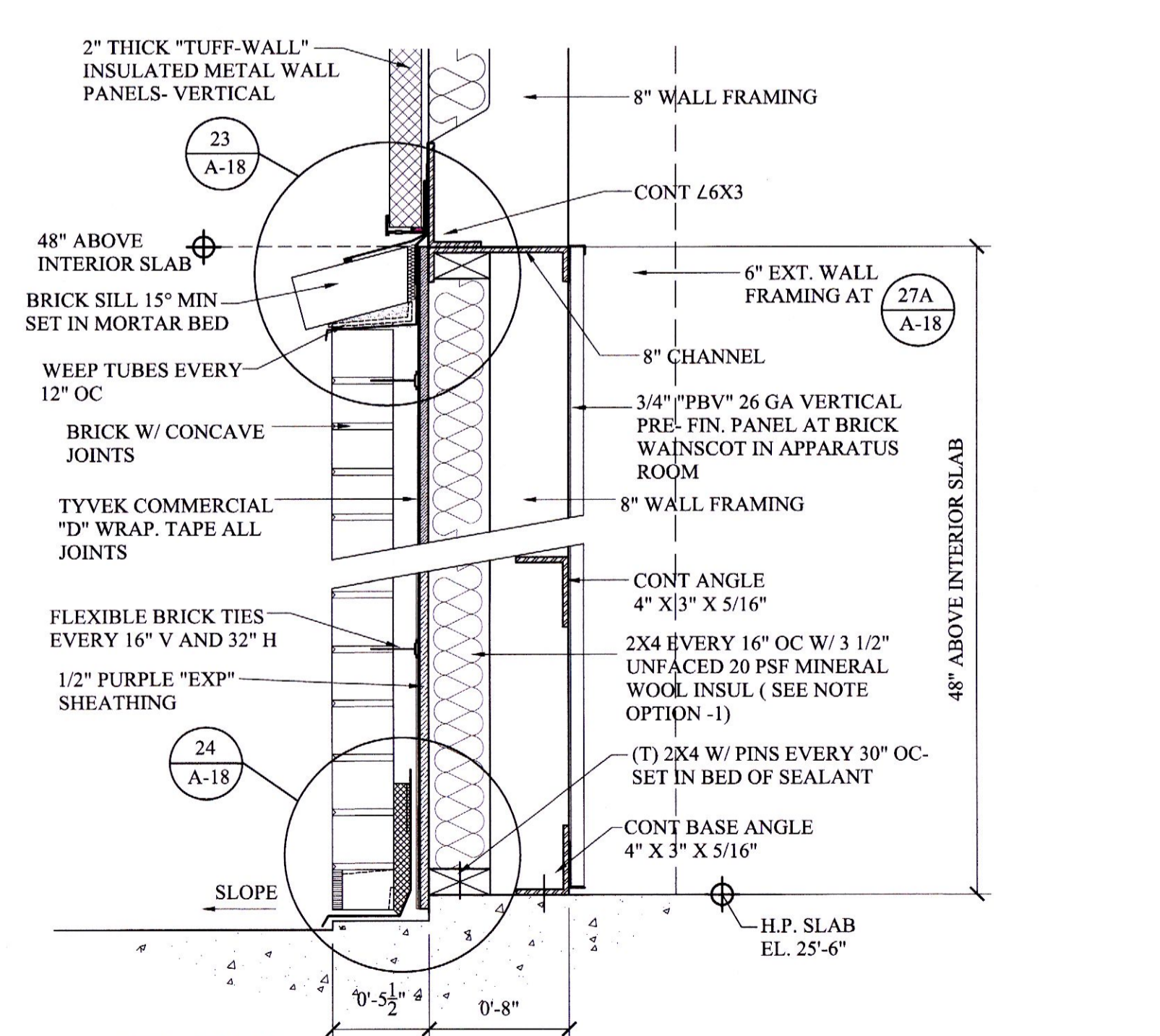
REVIEWED FOR
 STATE FIRE MARSHAL
 AS PER REVIEW LETTER
 BY: WILLIAM D. JONES, ARCHITECT, CBO
William D. Jones



DETAIL- 23
 SCALE: 3" = 1'-0"
A-18



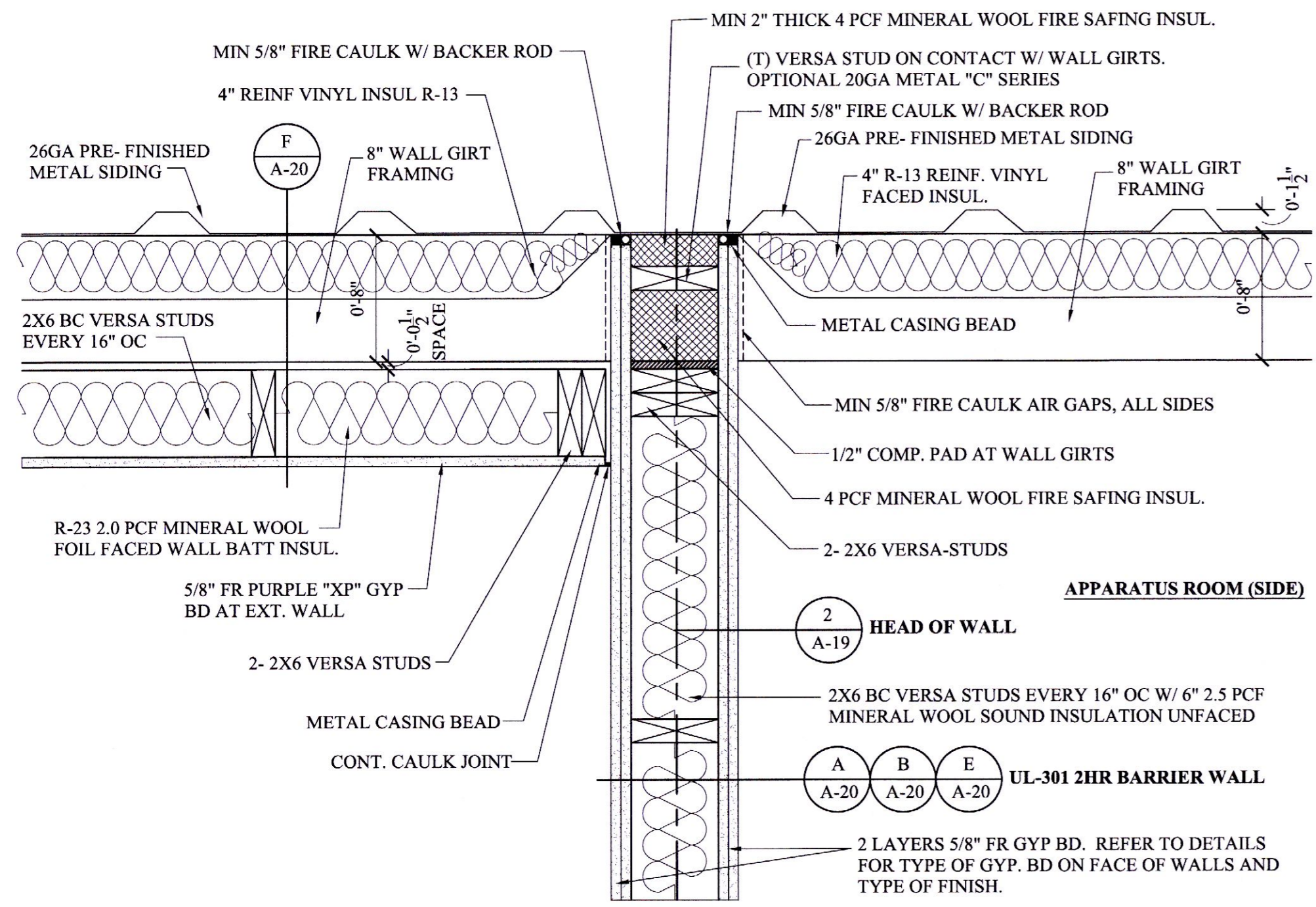
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 SCALE: 3" = 1'-0"
A-18



NOTE: OPTION-1
 IN LIEU OF 2X4 FRAMING W/ MINERAL WOOL INSULATION, CONTRACTOR CAN INSTALL REVERSE ROLL 3/4" "PBV" 26 GA METAL PANELS ON THE EXTERIOR W/ 3 1/2" R-11 VINYL FACED INSULATION. ALL WALL SHEATHING AND WRB SHALL REMAIN. PROVIDE HORIZONTAL FRAMING AS REQUIRED FOR OPTIONAL "PBV" BACKING

DETAIL- 27 27A SIM W/ 6" EXT. WALL FRAMING
 SCALE: 1 1/2" = 1'-0"
A-18 A-18

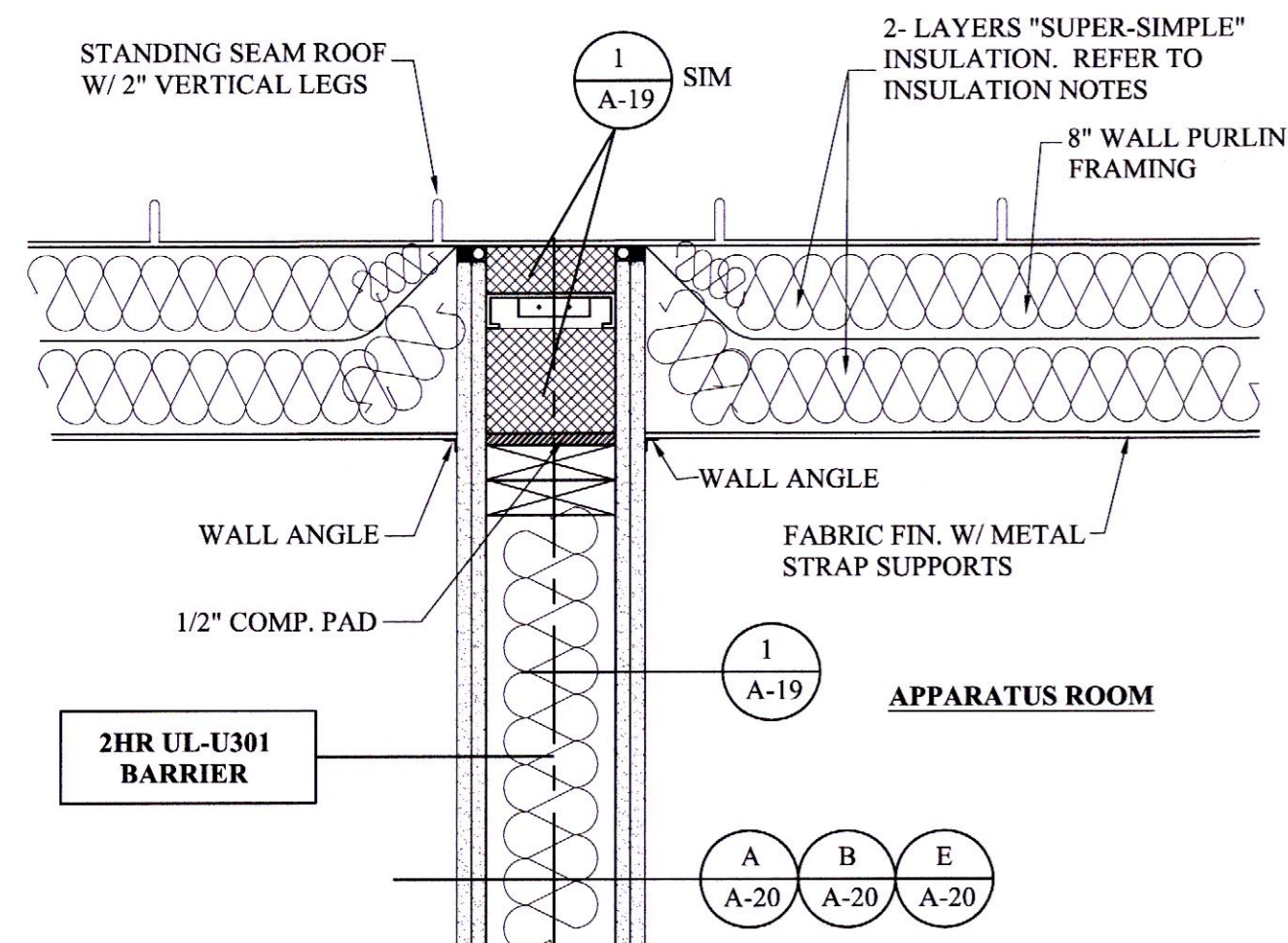
DETAIL-
 SCALE: 1 1/2" = 1'-0"



DETAIL- 1

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

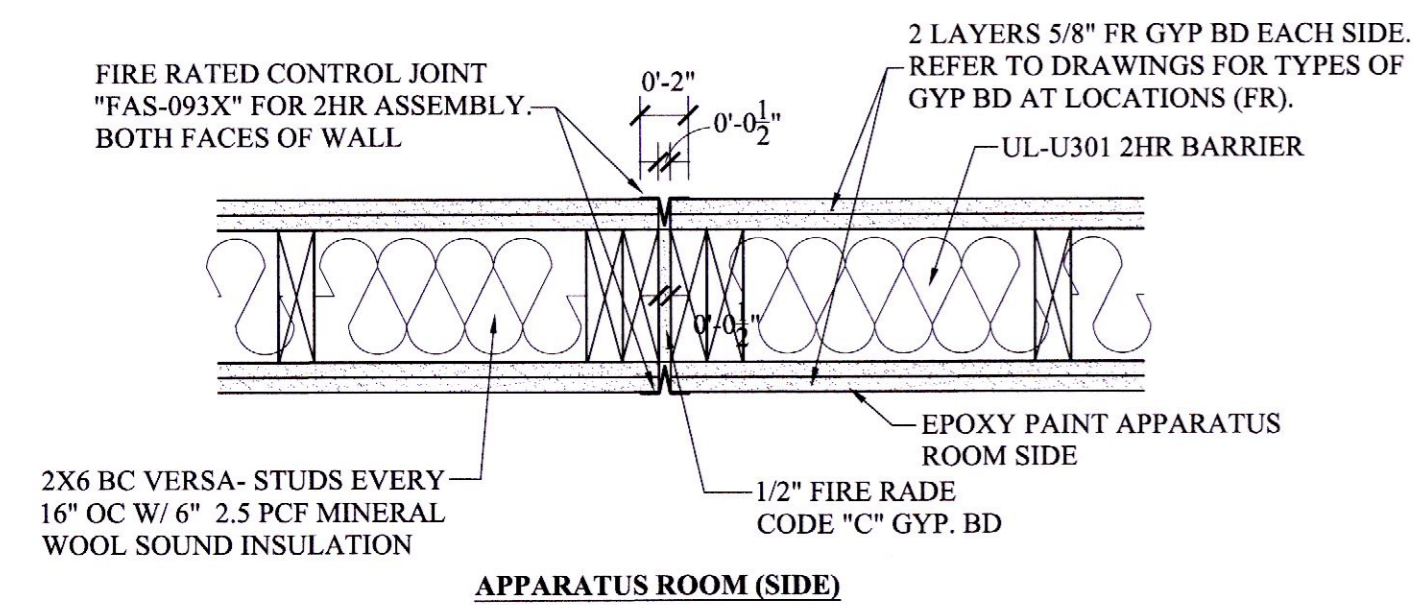
A-19



SECTION- K

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

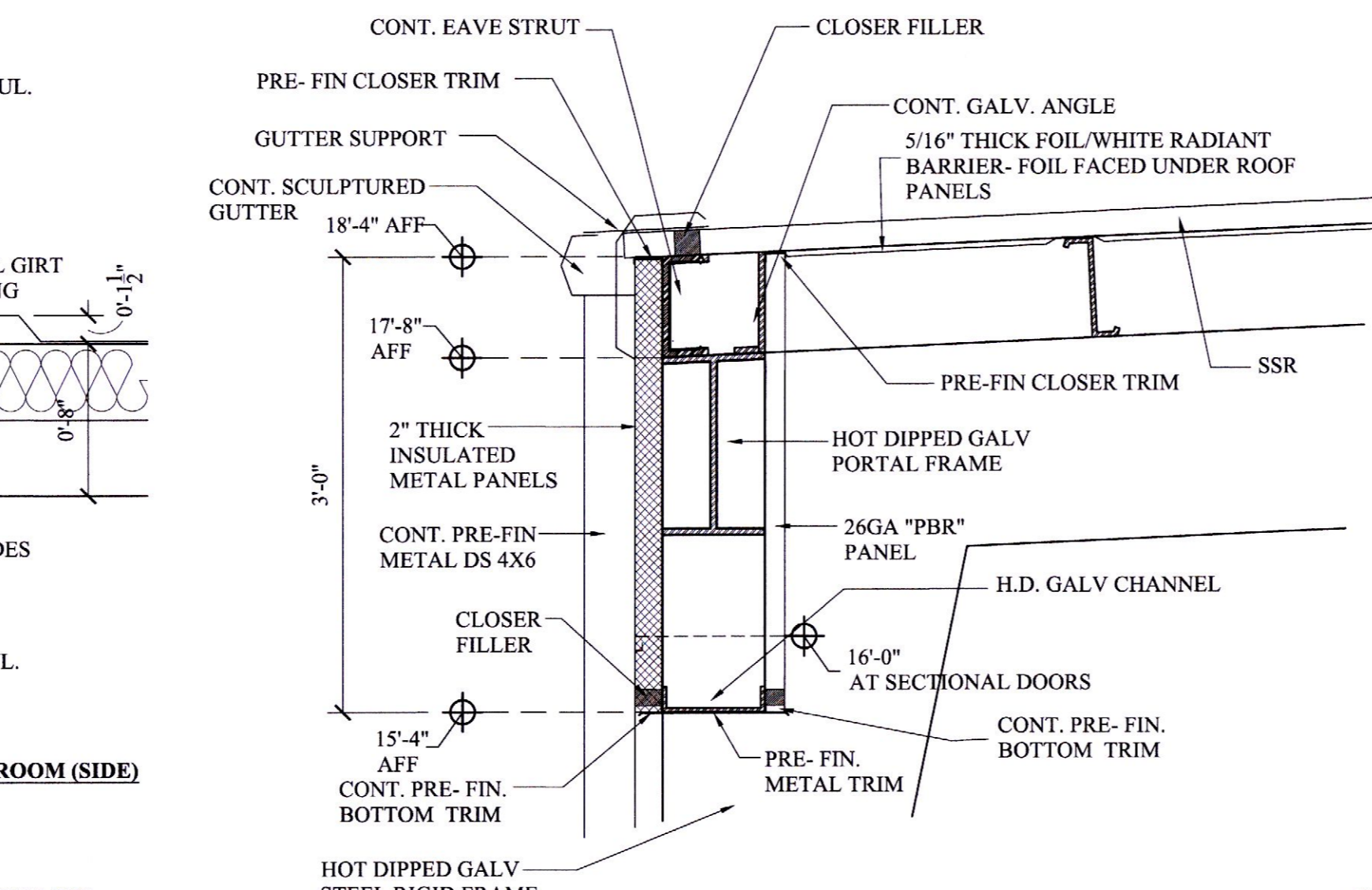
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DETAIL- CONTROL JOINT (2HR UL-U301 BARRIER)

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

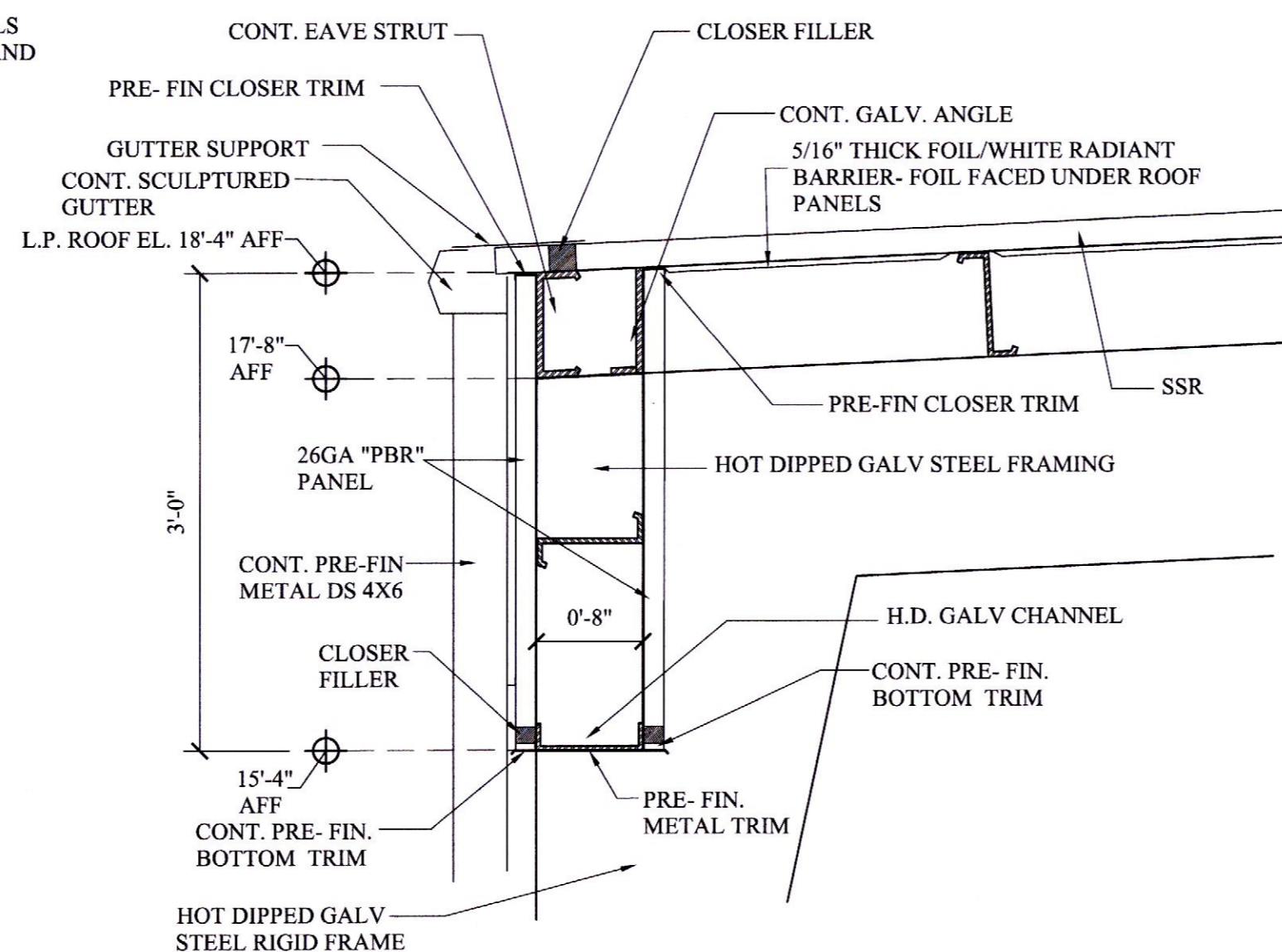
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SECTION- L

SCALE: 1" = 1'-0"

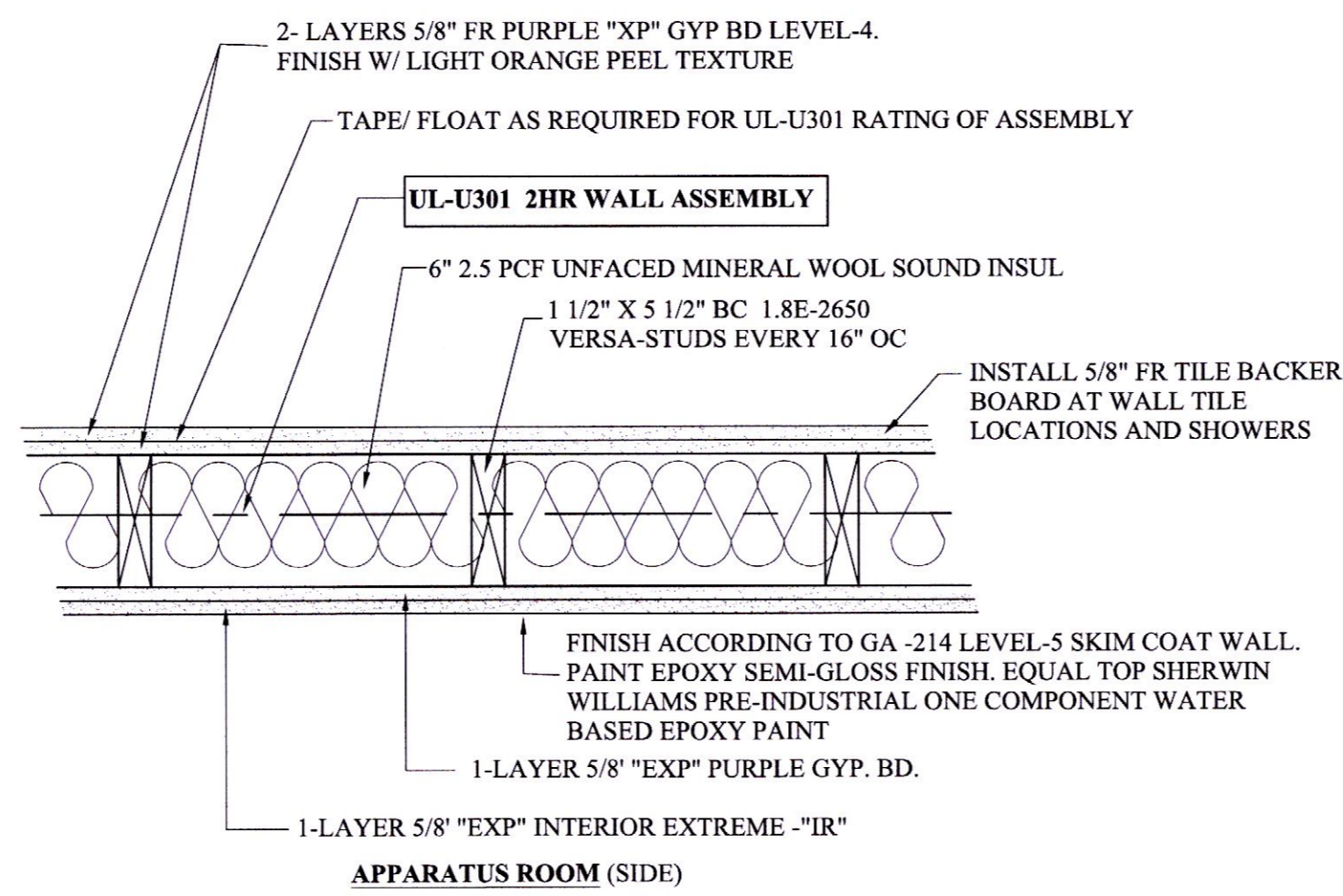
A-19



SECTION- M

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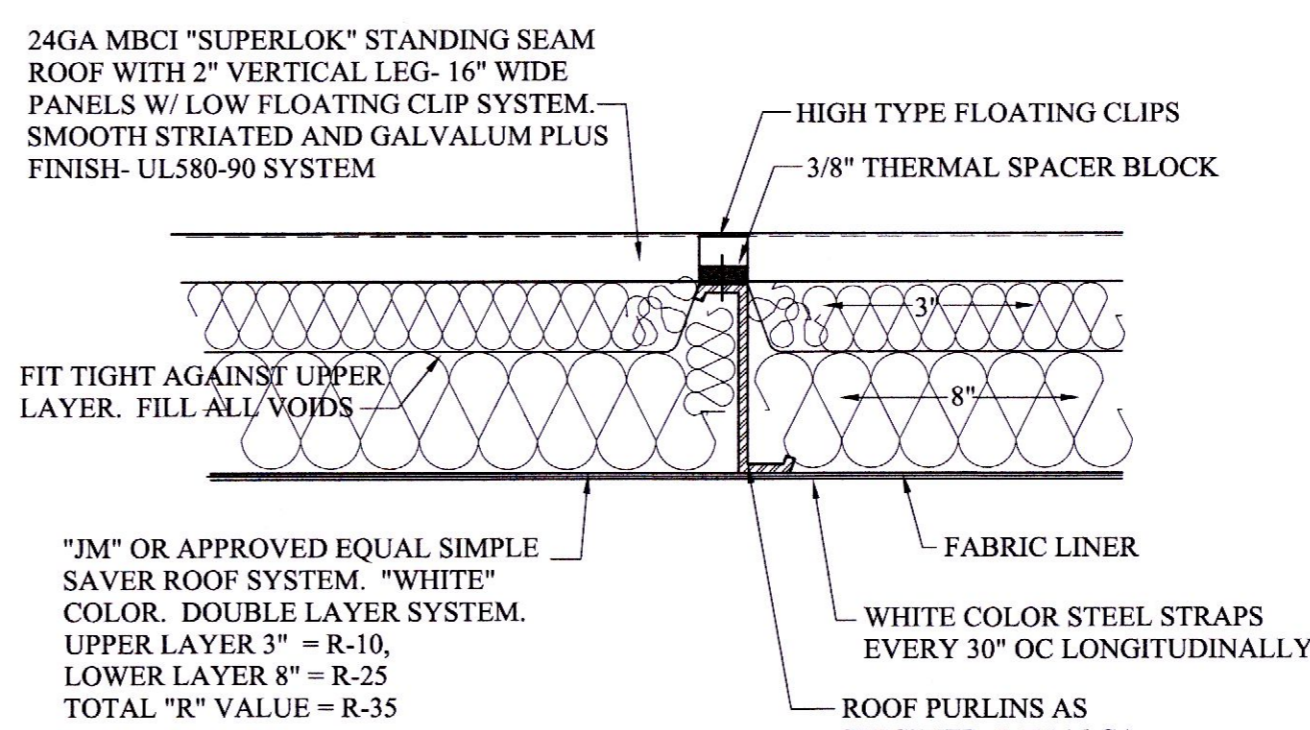
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DETAIL- 2HR UL-U301 BARRIER

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

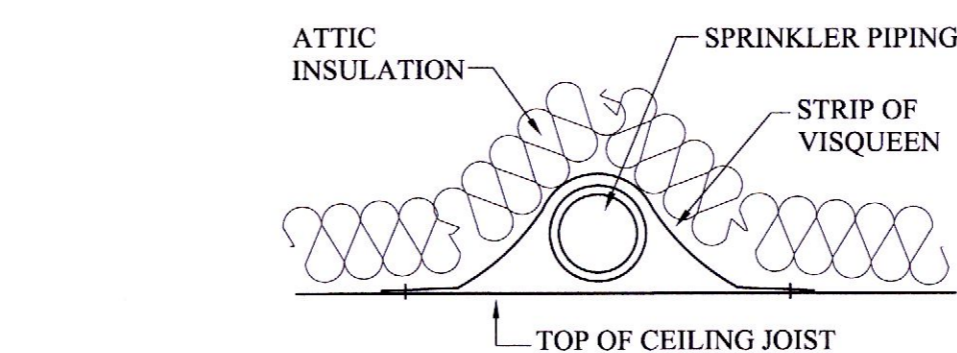
A-A
A-19



DETAIL- 3

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

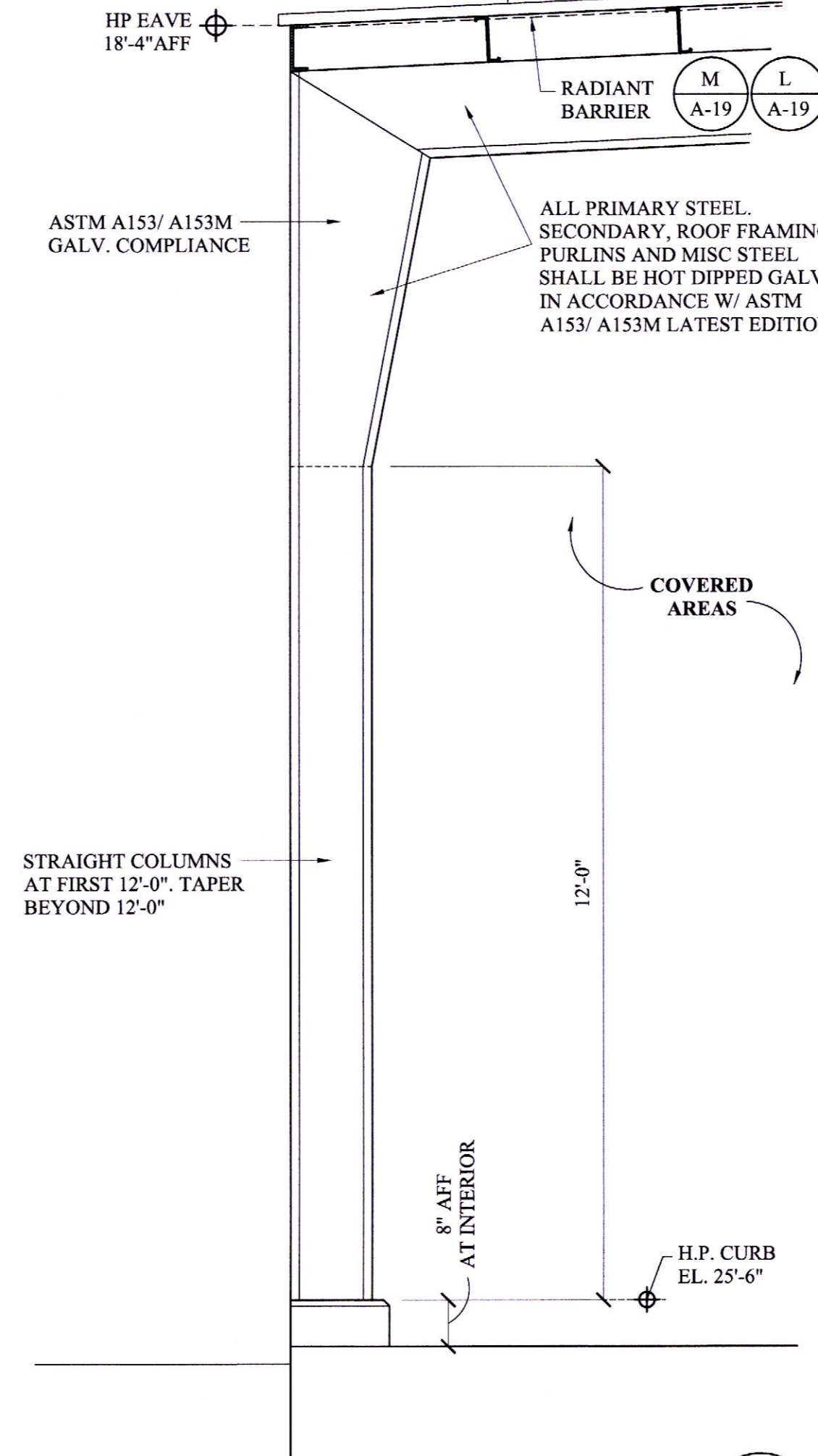
A-19



DETAIL- TYPICAL SPRINKLER PIPING PROTECTION

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

A-19

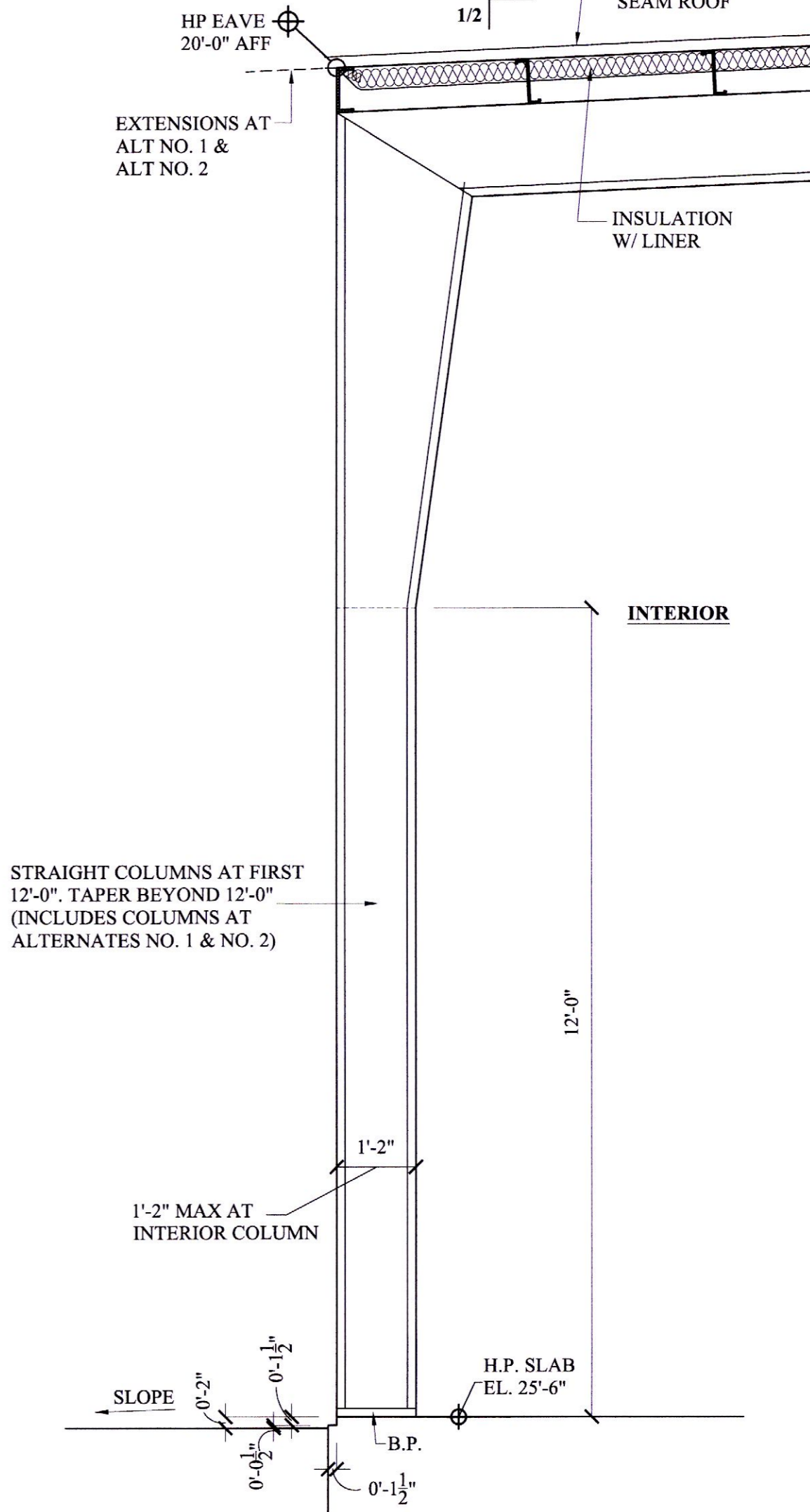


DETAIL- TYPICAL EXTERIOR COLUMN

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

(ALTERNATES NO. 1 & 2)

A-19



DETAIL- TYPICAL INTERIOR COLUMN

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

A-19

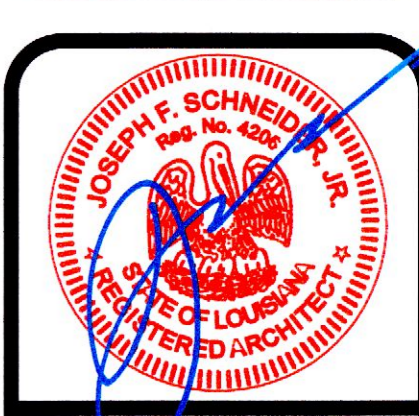
NOTE:

- LAP AND SEAL ALL METAL TRIMS, GUTTERS, RAKE TRIMS, AND FLASHINGS.
- LAP AND SEAL MEMBRANE FLASHING AT DOOR AND WINDOW JAMBS, HEAD, AND SILL LOCATIONS, INCLUDING ALL BASE DETAILS FLASHINGS.

REVIEWED FOR
STATE FIRE MARSHAL
AS PER REVIEW LETTER
BY: WILLIAM D. JONES, ARCHITECT, CBO
William D. Jones

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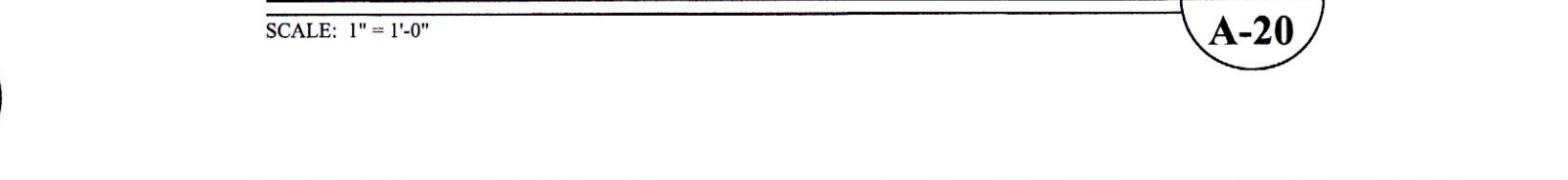
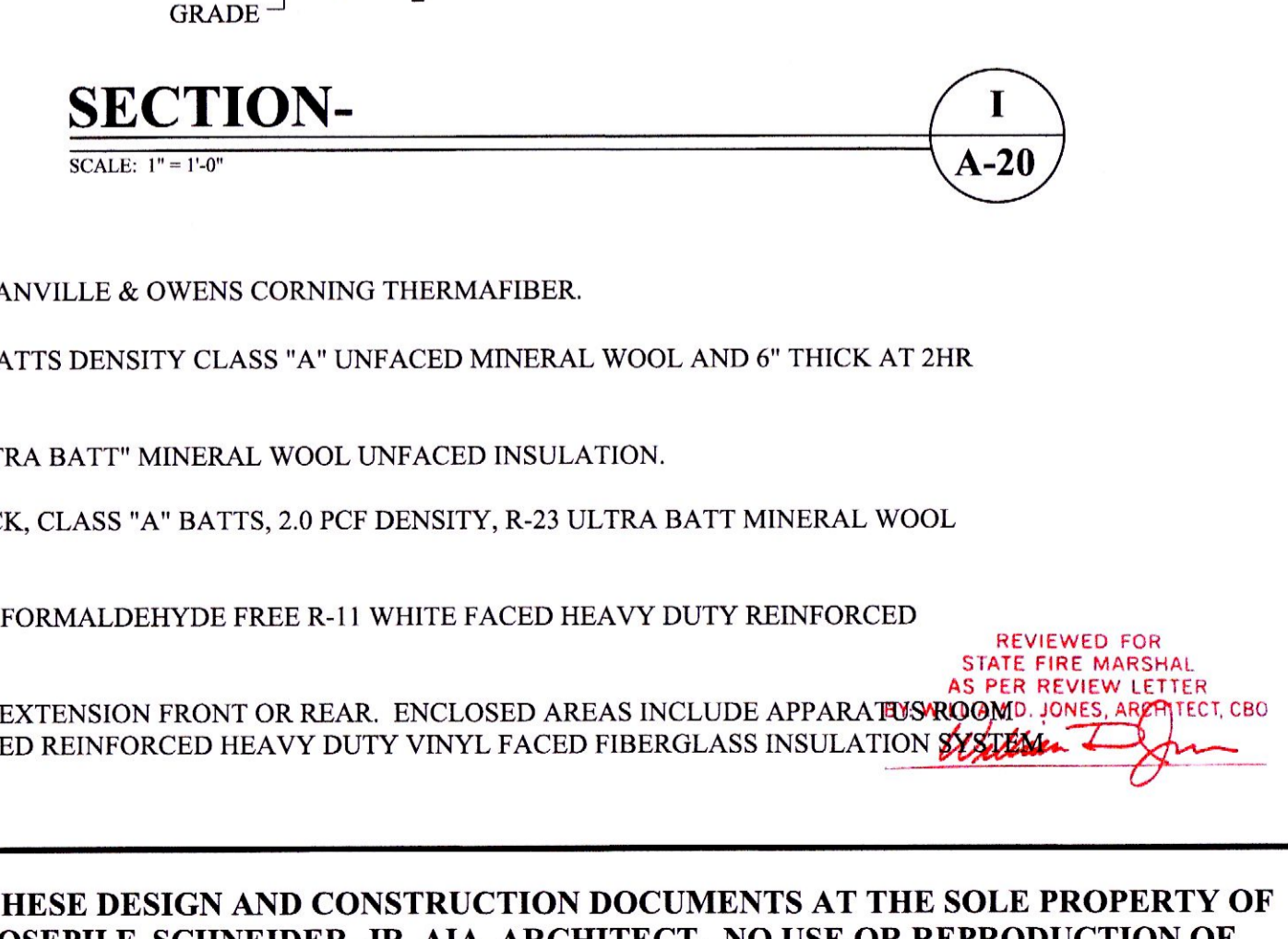
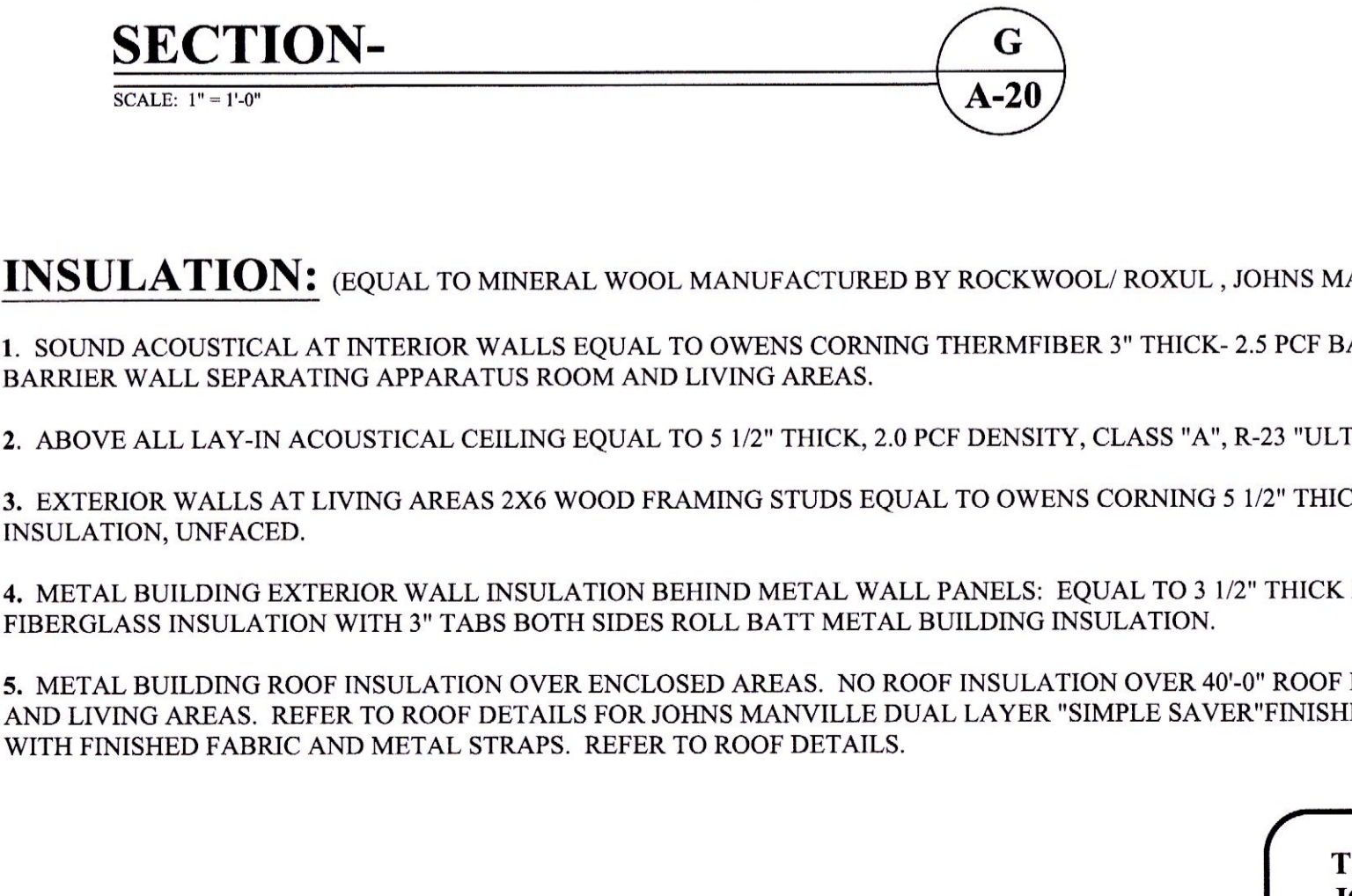
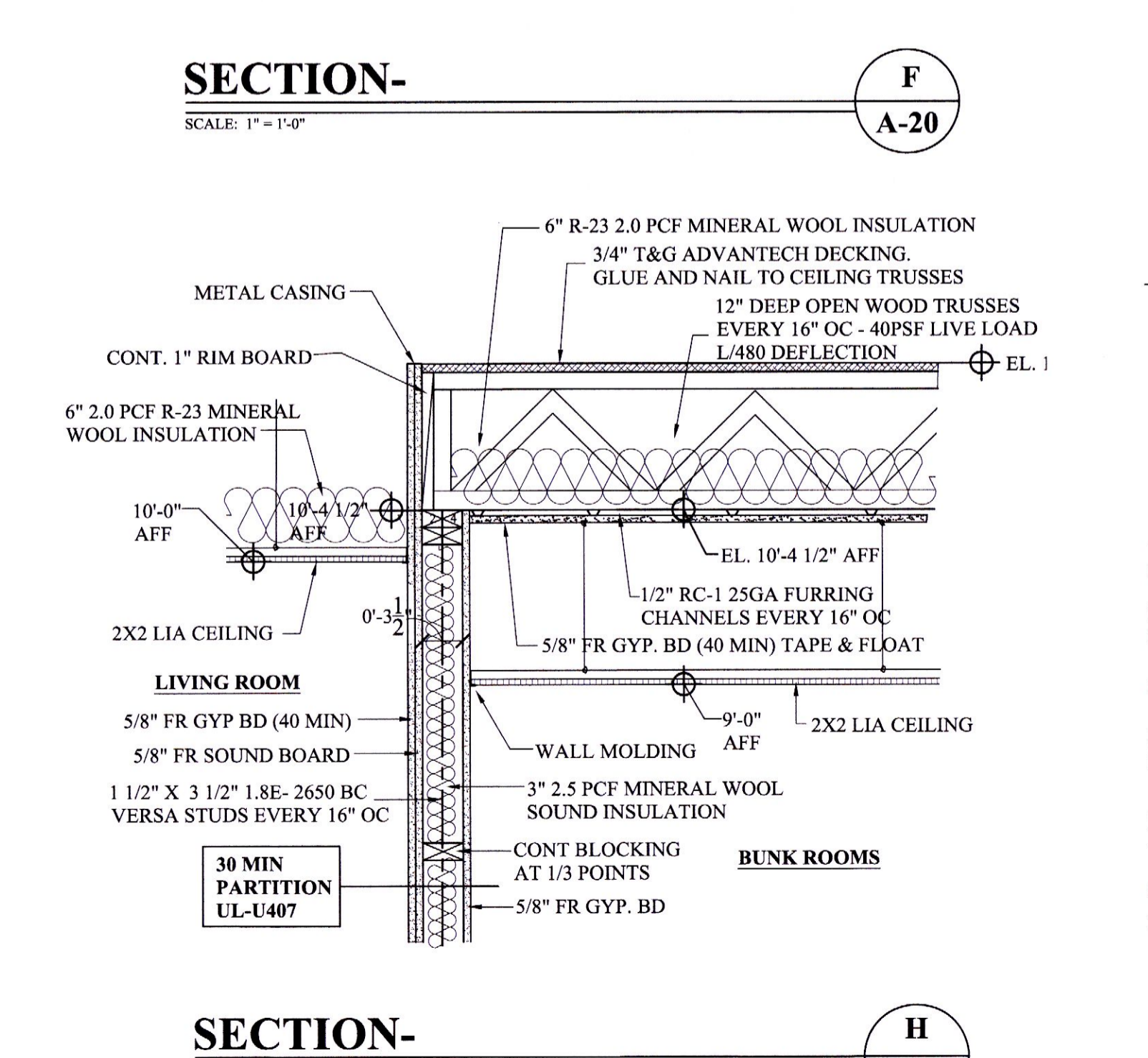
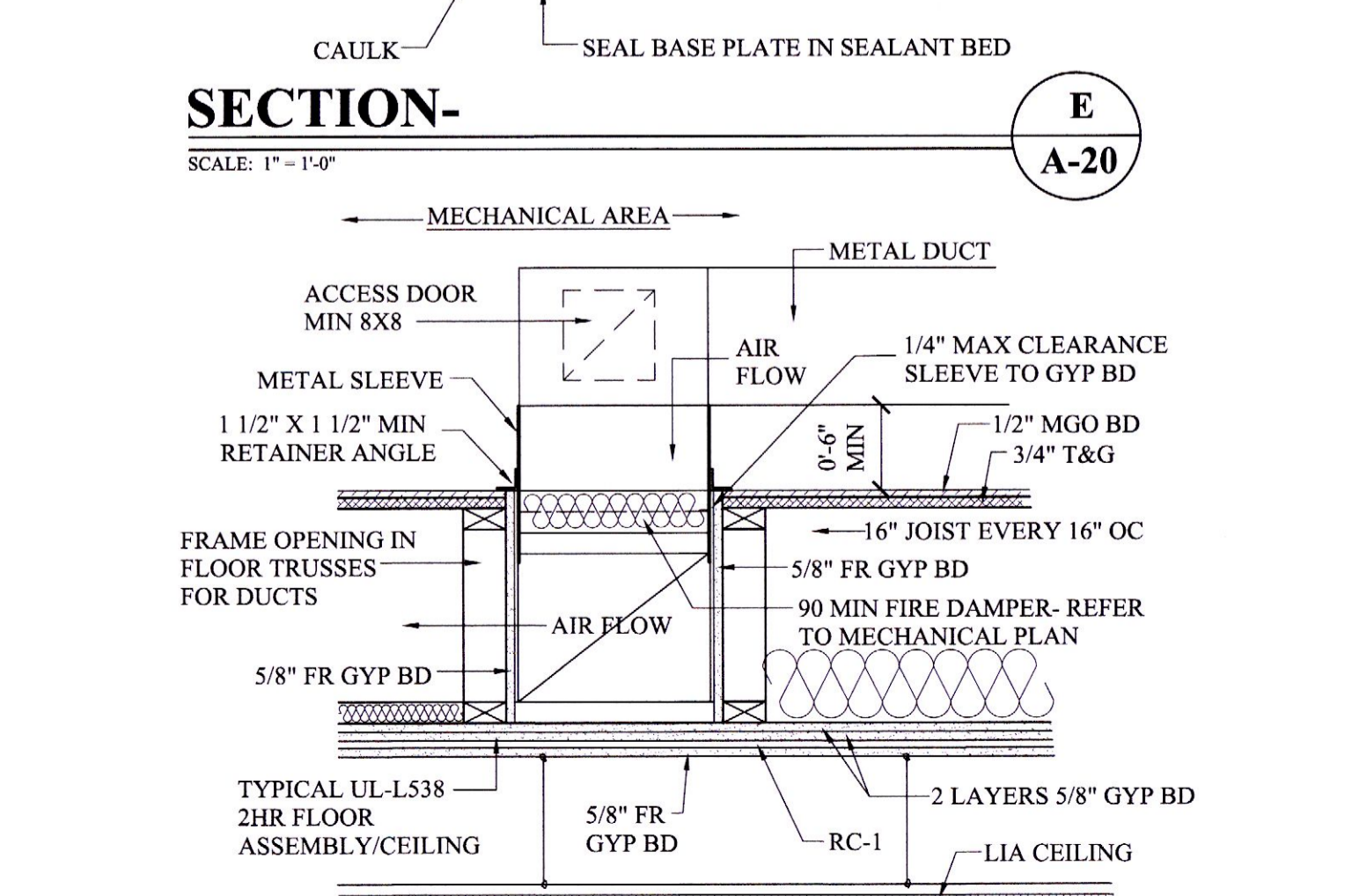
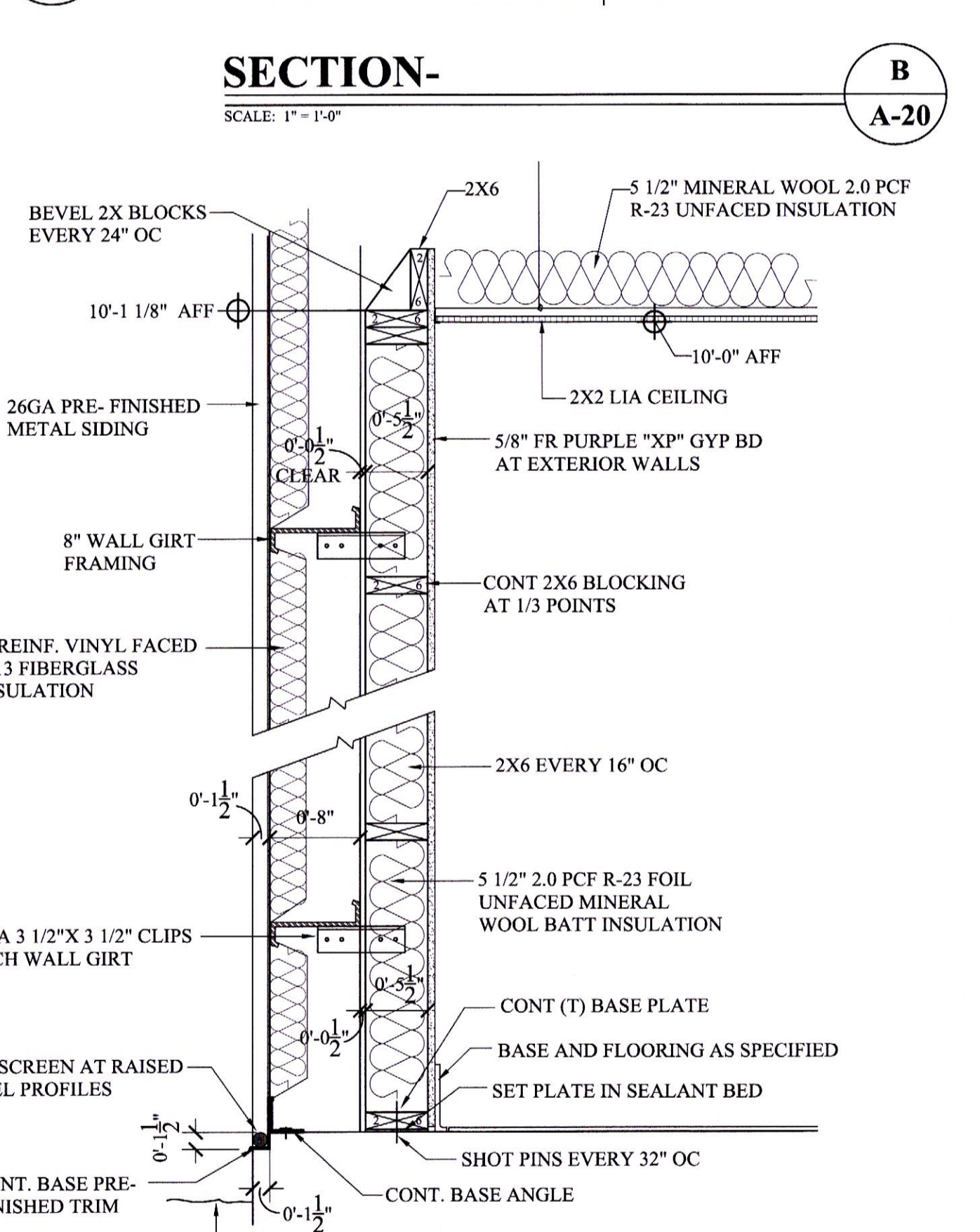
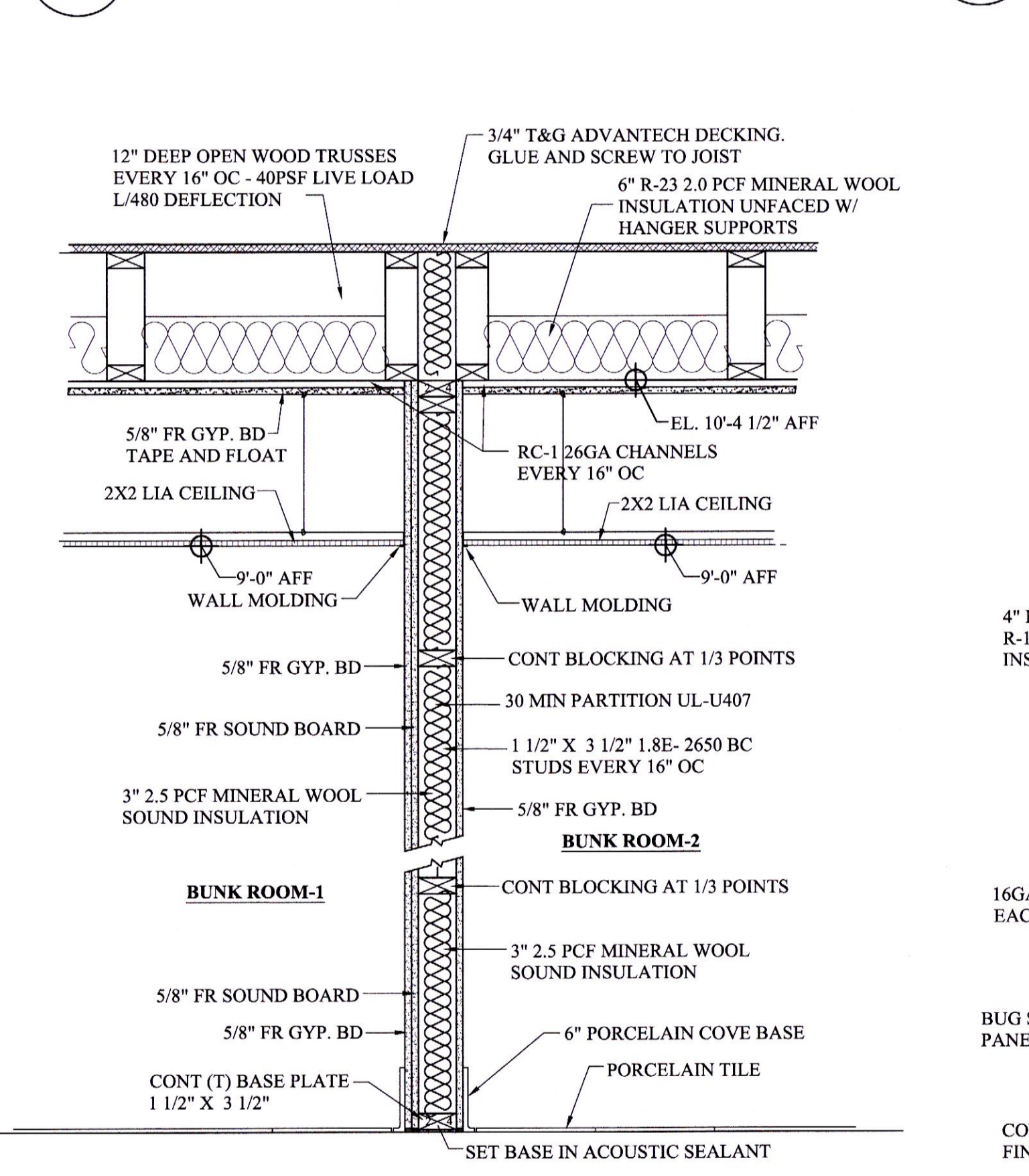
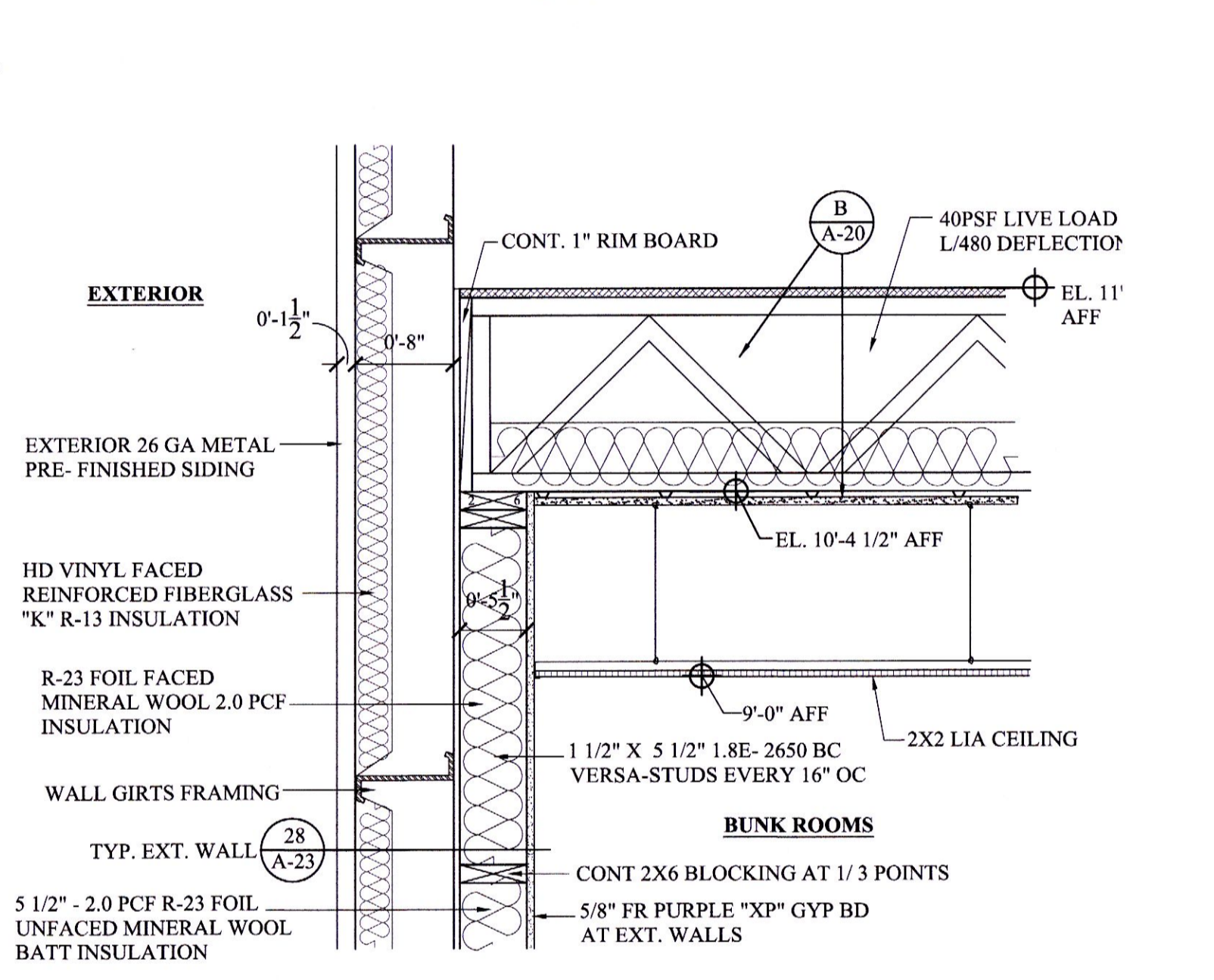
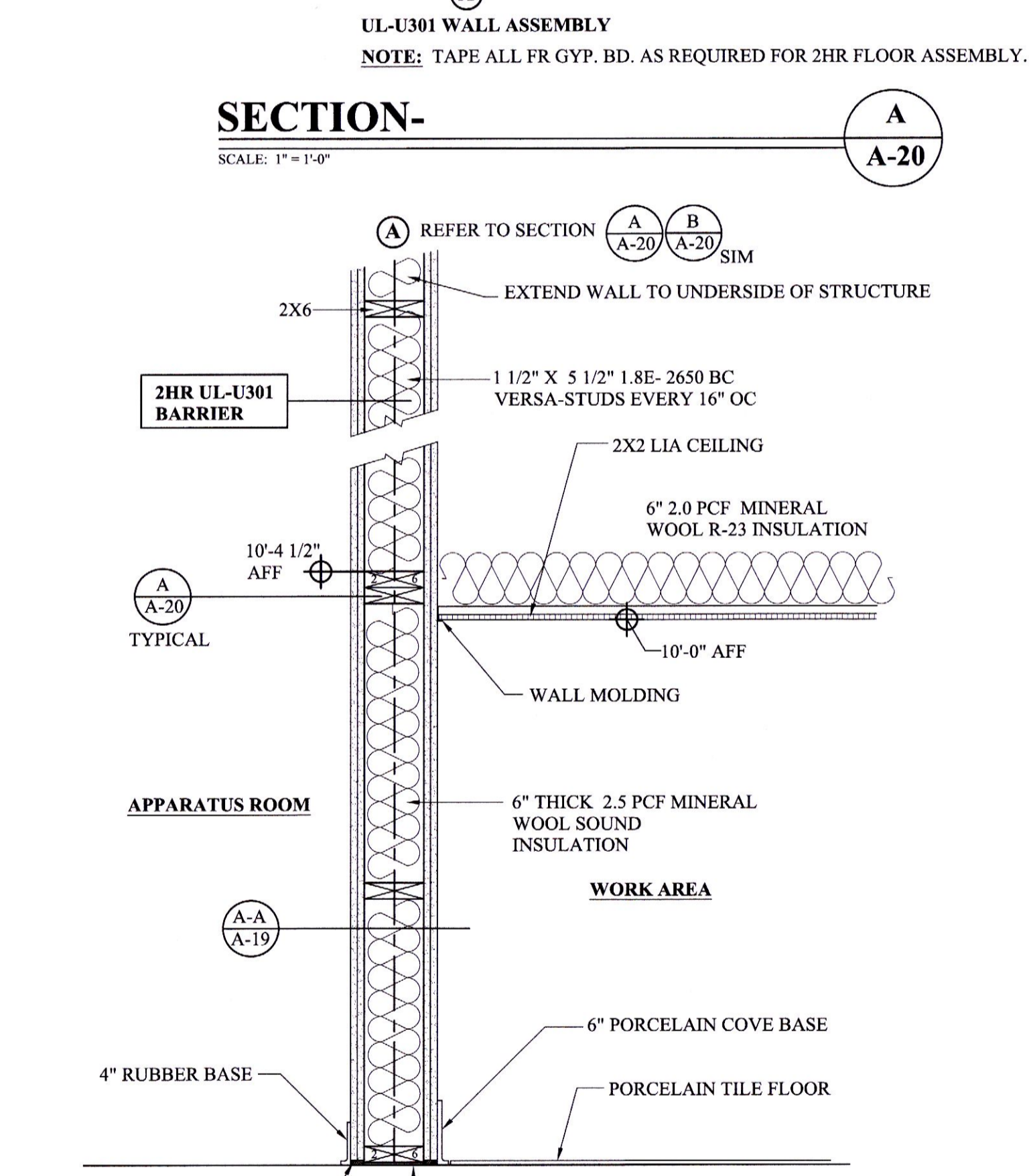
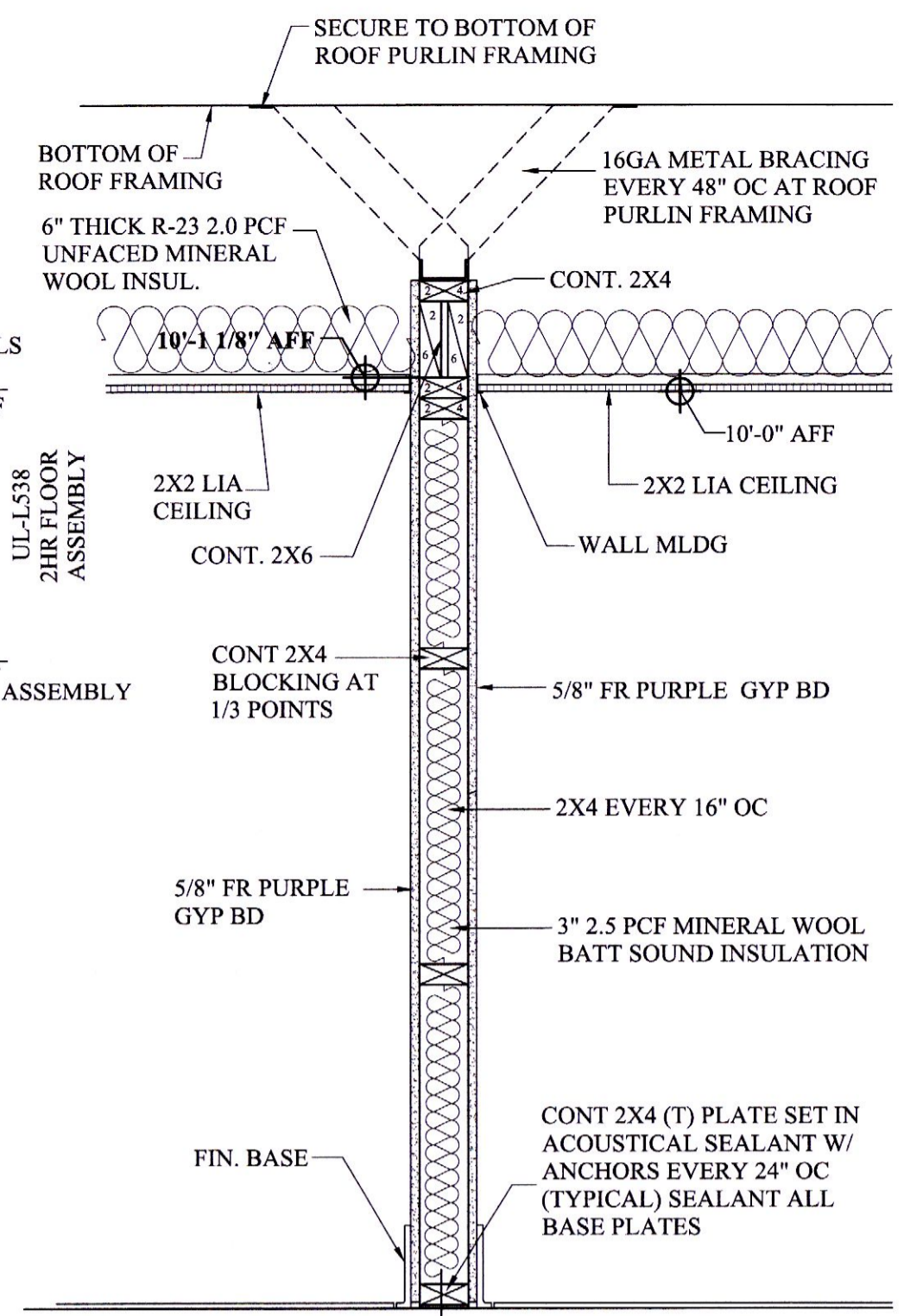
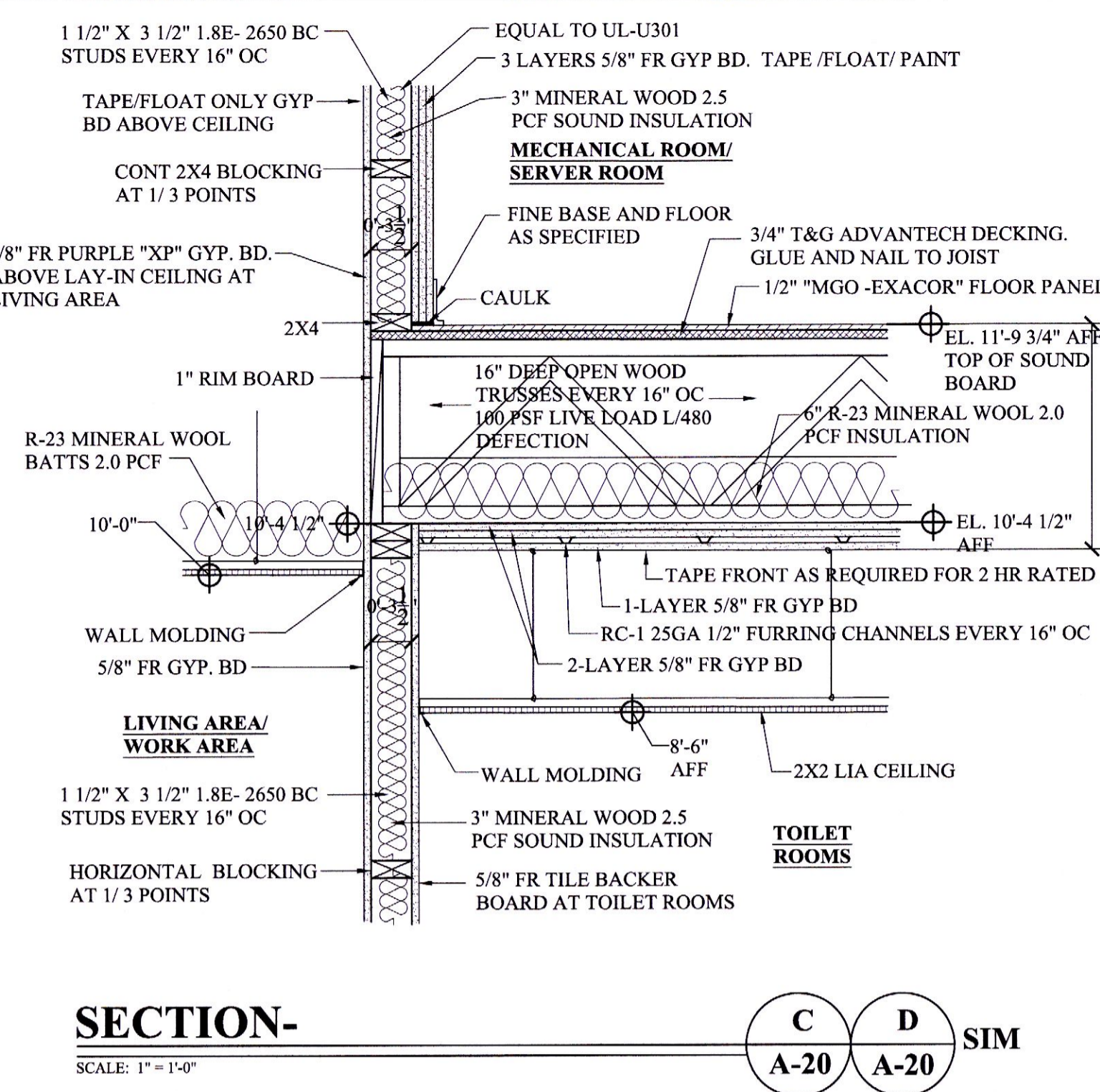
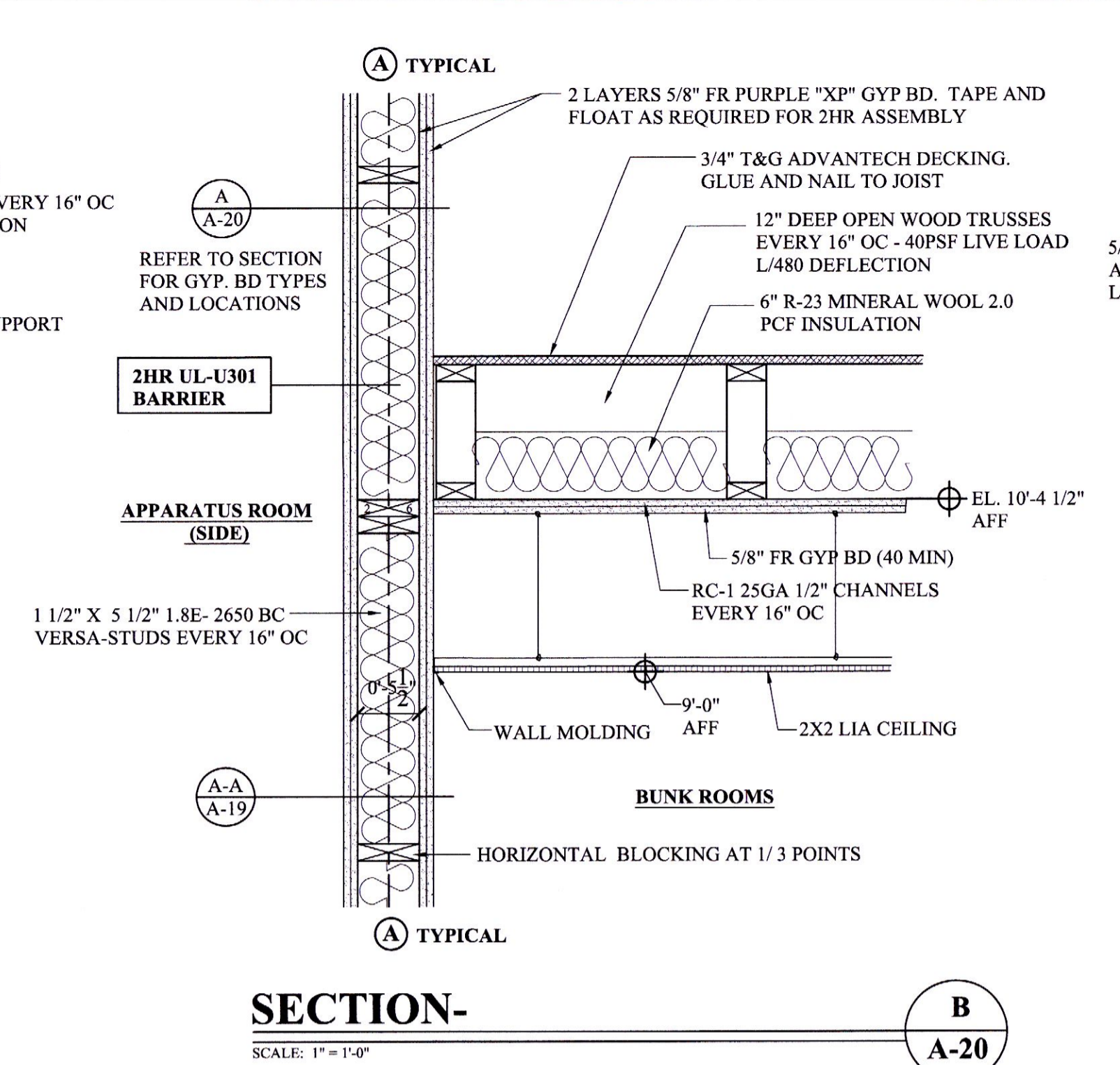
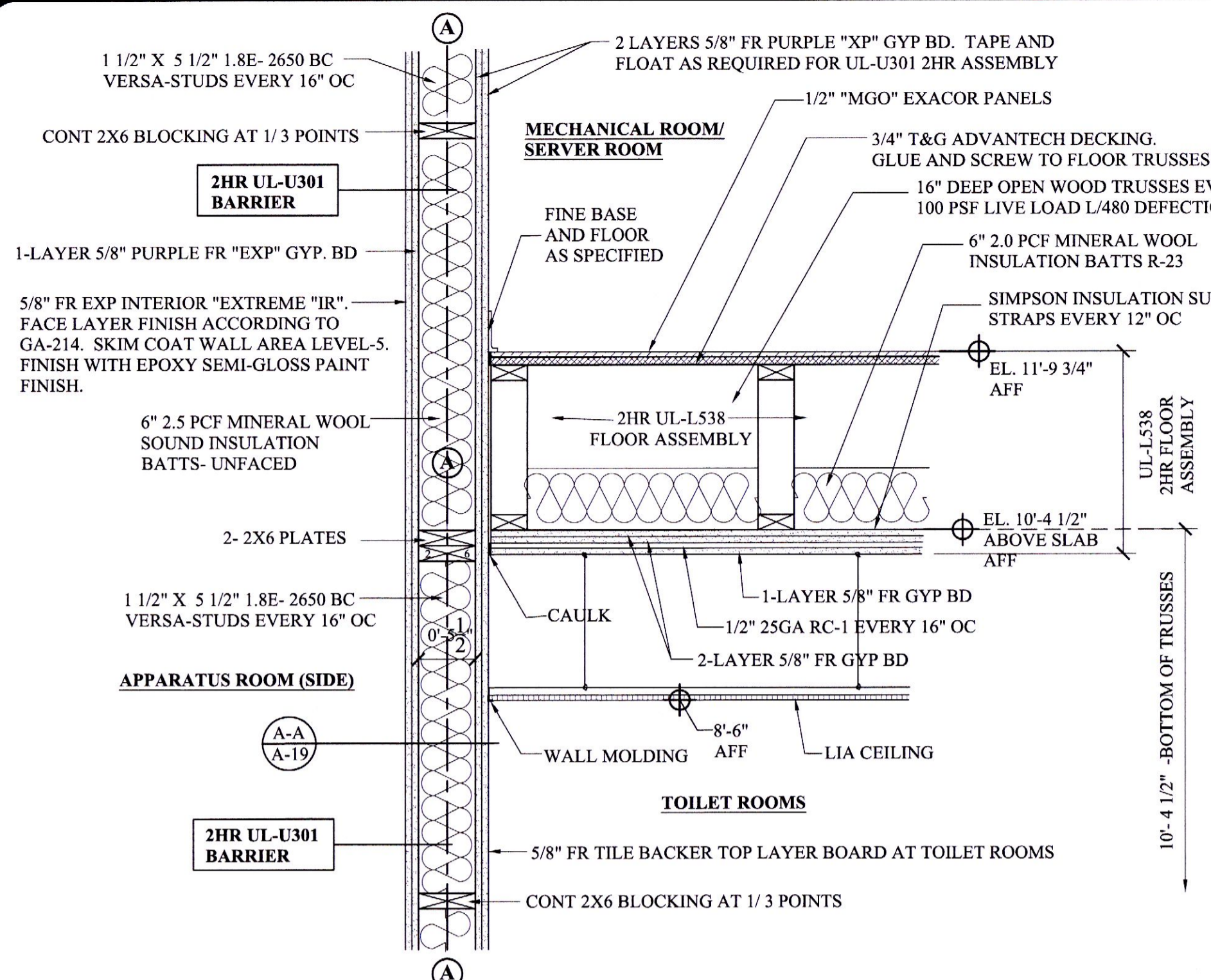
REVISIONS	BY



**NEW FIRE STATION NO. 134 FOR
ST. TAMMANY FIRE DISTRICT NO. 13**
425 LEEWARD LOOP ST. TAMMANY PARISH
COVINGTON, LOUISIANA 70433

JOSEPH F. SCHNEIDER JR., AIA
ARCHITECT
LA #4206 MS #3020 AL #8724 FL #AR95908 TX #24294
105 EVANGELINE DRIVE, SLIDELL, LOUISIANA 70460
(985) 290-5648
jfsarchitect@charter.net

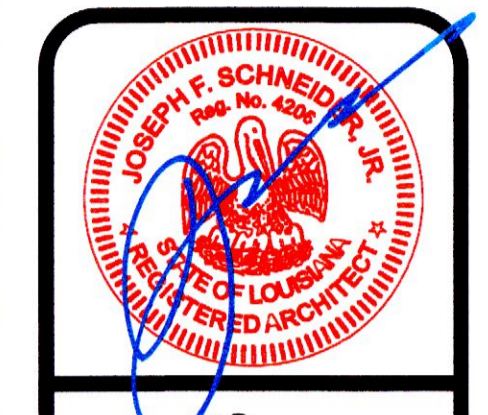
DRAWN H. SCHNEIDER
CHECKED J. SCHNEIDER
DATE 03/20/2024
SCALE AS NOTED
JOB NO.
SHEET A-19
OF SHEETS



- INSULATION:** (EQUAL TO MINERAL WOOL MANUFACTURED BY ROCKWOOL/ ROXUL , JOHNS MANVILLE & OWENS CORNING THERMAFIBER.
- SOUND ACOUSTICAL AT INTERIOR WALLS EQUAL TO OWENS CORNING THERMAFIBER 3" THICK- 2.5 PCF BATTS DENSITY CLASS "A" UNFACED MINERAL WOOL AND 6" THICK AT 2HR BARRIER WALL SEPARATING APPARATUS ROOM AND LIVING AREAS.
 - ABOVE ALL LAY-IN ACOUSTICAL CEILING EQUAL TO 5 1/2" THICK, 2.0 PCF DENSITY, CLASS "A", R-23 "ULTRA BATT" MINERAL WOOL UNFACED INSULATION.
 - EXTERIOR WALLS AT LIVING AREAS 2X6 WOOD FRAMING STUDS EQUAL TO OWENS CORNING 5 1/2" THICK, CLASS "A" BATTS, 2.0 PCF DENSITY, R-23 ULTRA BATT MINERAL WOOL INSULATION, UNFACED.
 - METAL BUILDING EXTERIOR WALL INSULATION BEHIND METAL WALL PANELS: EQUAL TO 3 1/2" THICK FORMALDEHYDE FREE R-11 WHITE FACED HEAVY DUTY REINFORCED FIBERGLASS INSULATION WITH 3" TABS BOTH SIDES ROLL BATT METAL BUILDING INSULATION.
 - METAL BUILDING ROOF INSULATION OVER ENCLOSED AREAS. NO ROOF INSULATION OVER 40'-0" ROOF EXTENSION FRONT OR REAR. ENCLOSED AREAS INCLUDE APPARATUS ROOM AND LIVING AREAS. REFER TO ROOF DETAILS FOR JOHNS MANVILLE DUAL LAYER "SIMPLE SAVER" FINISHED REINFORCED HEAVY DUTY VINYL FACED FIBERGLASS INSULATION SYSTEM.

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REVISIONS	BY

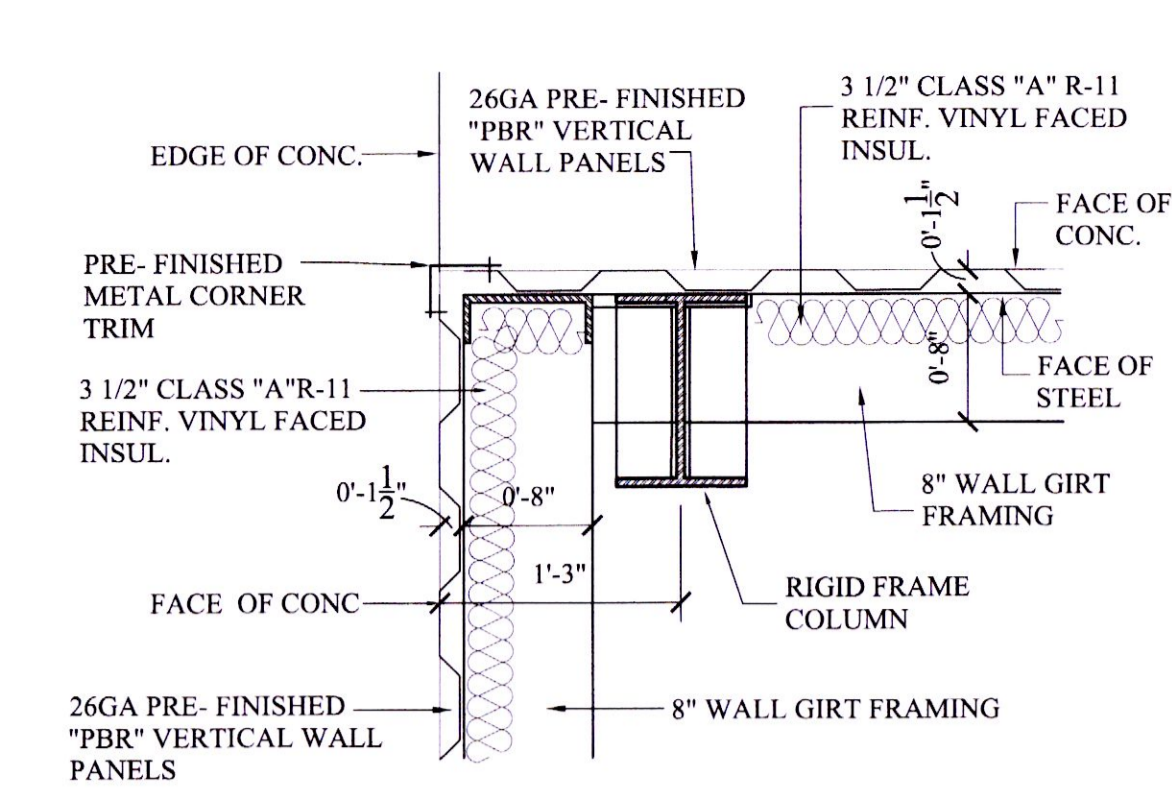


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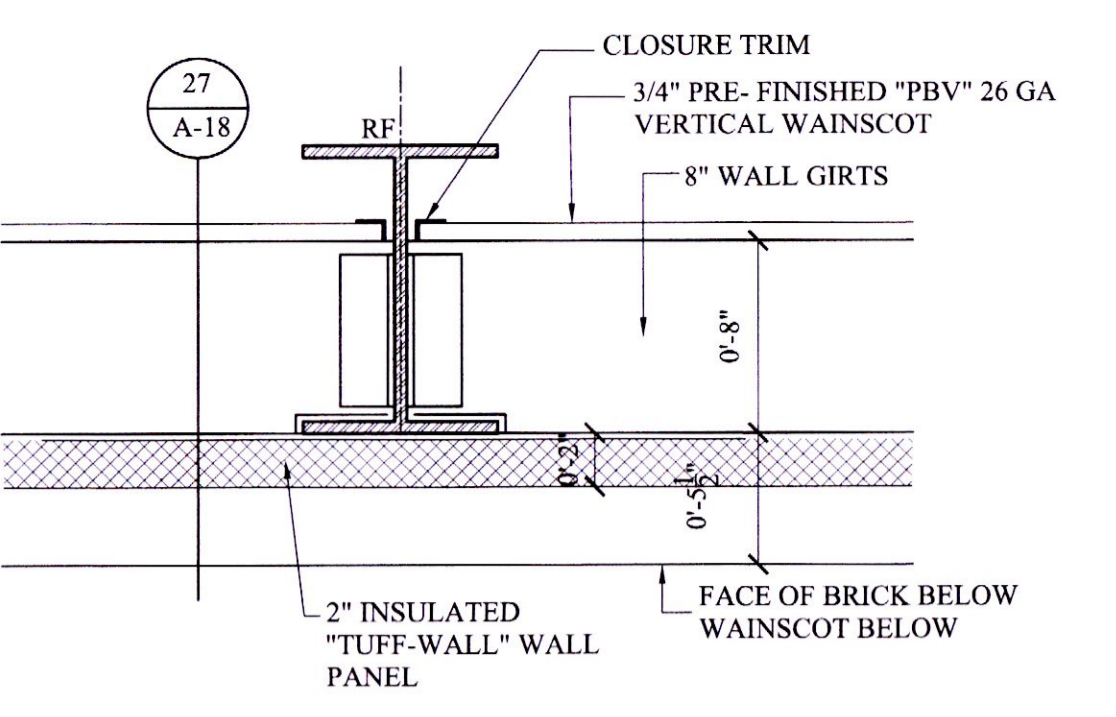
JOSEPH F. SCHNEIDER JR., AIA
 ARCHITECT
 LA #4206 MS #3020 AL #8724 FL #AR95908 TX #24294
 105 EVANGELINE DRIVE, SLIDELL, LOUISIANA 70460
 (985) 290-6648
 jfsarchitect@chartr.net

DRAWN H. SCHNEIDER
CHECKED J. SCHNEIDER
DATE 03/20/2024
SCALE AS NOTED
JOB NO.
SHEET A-20
OF SHEETS

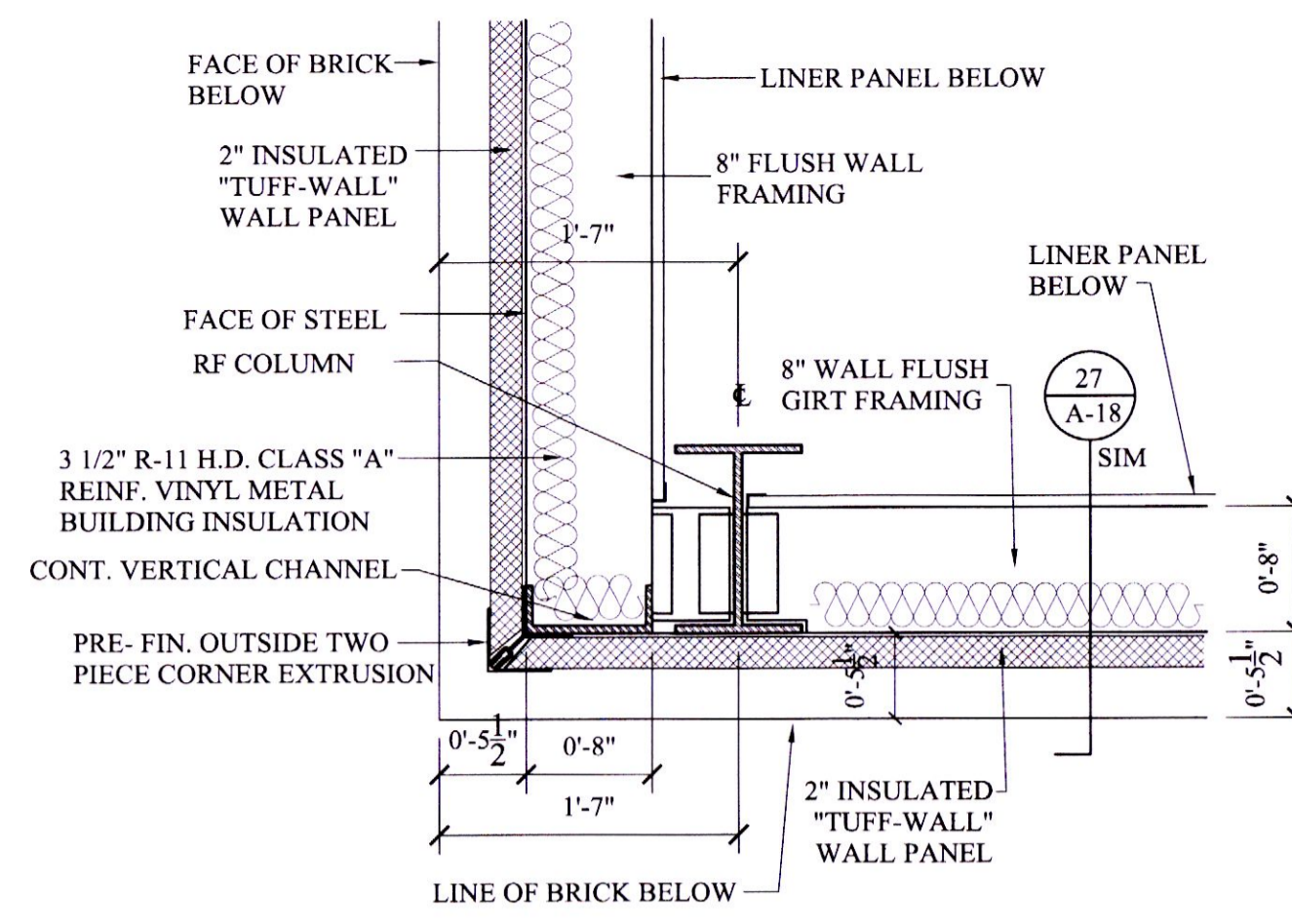
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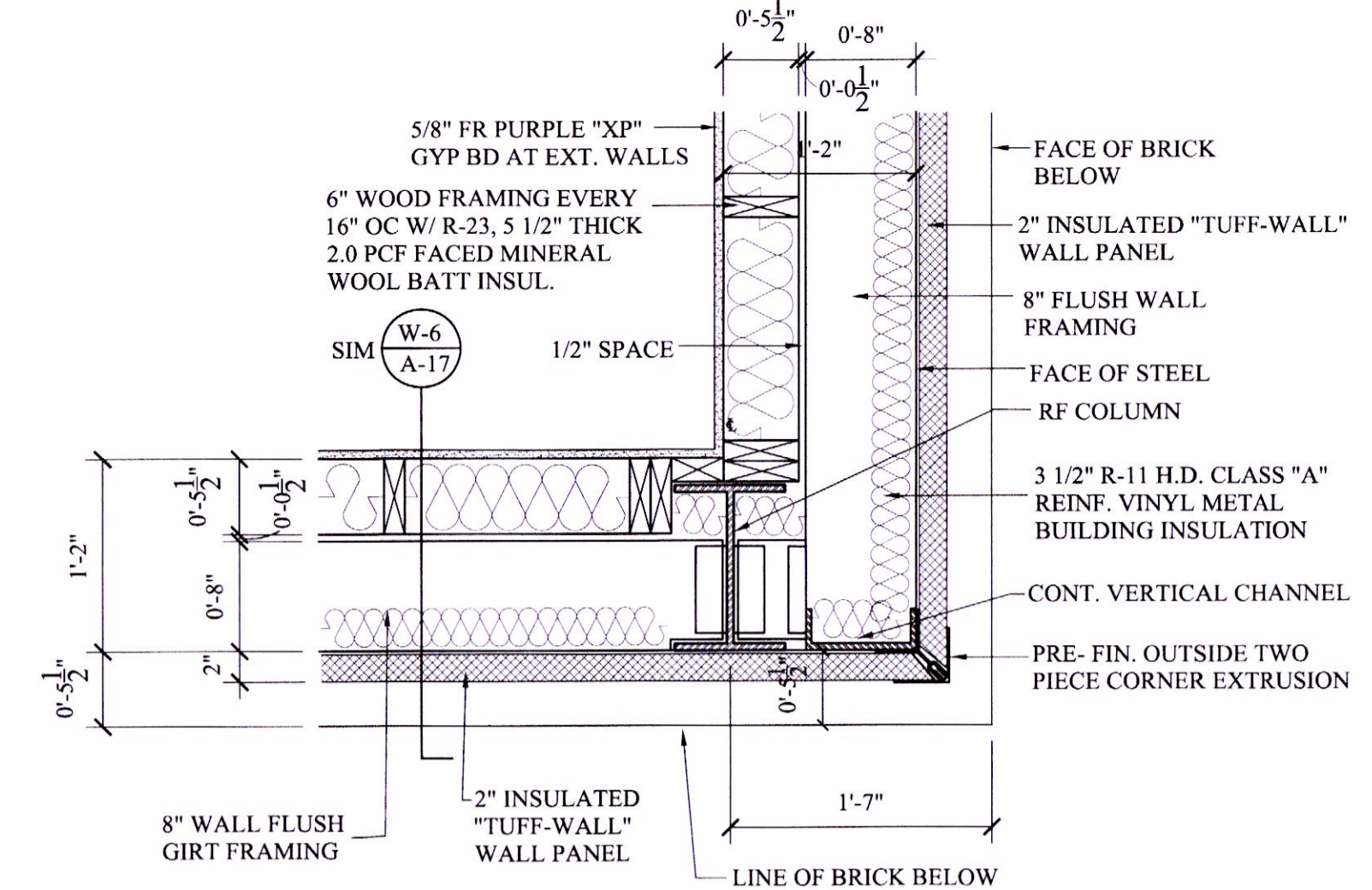
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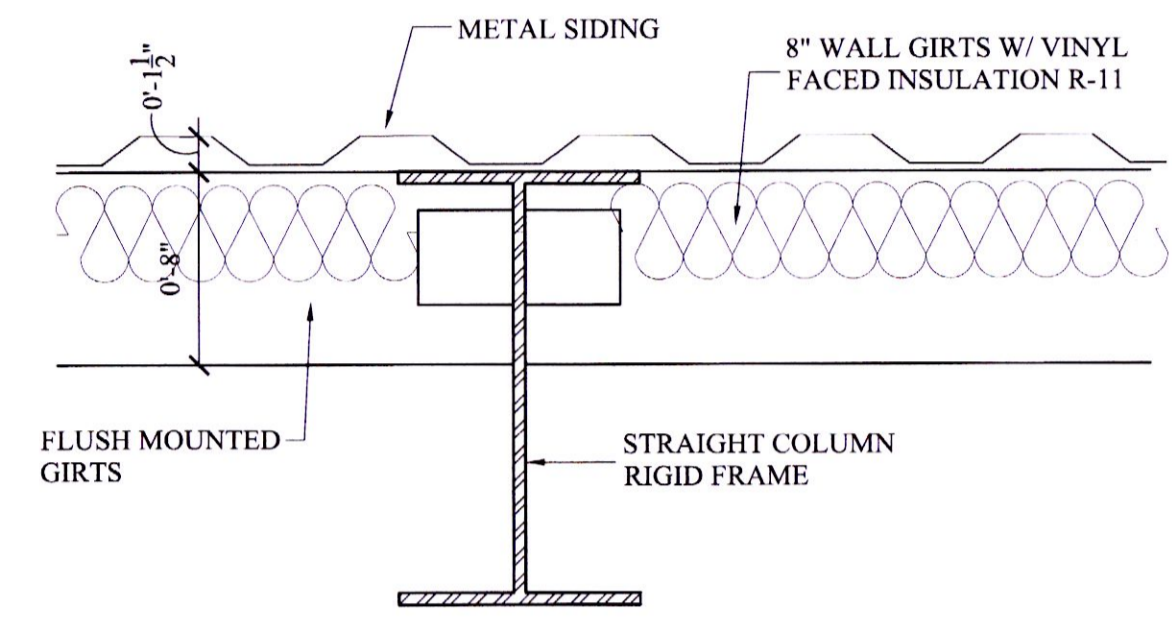
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SCALE: 1" = 1'-0"
A-21



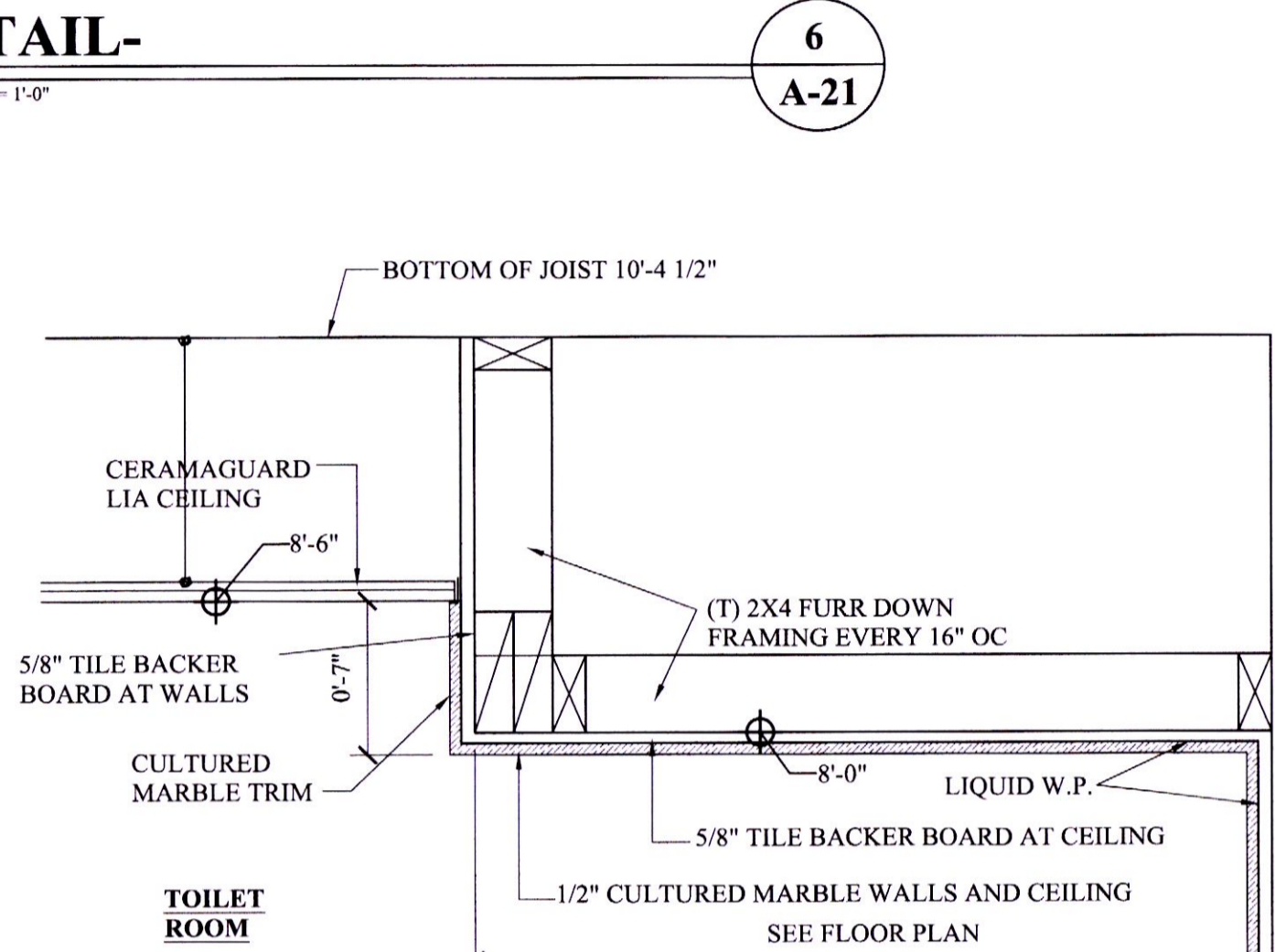
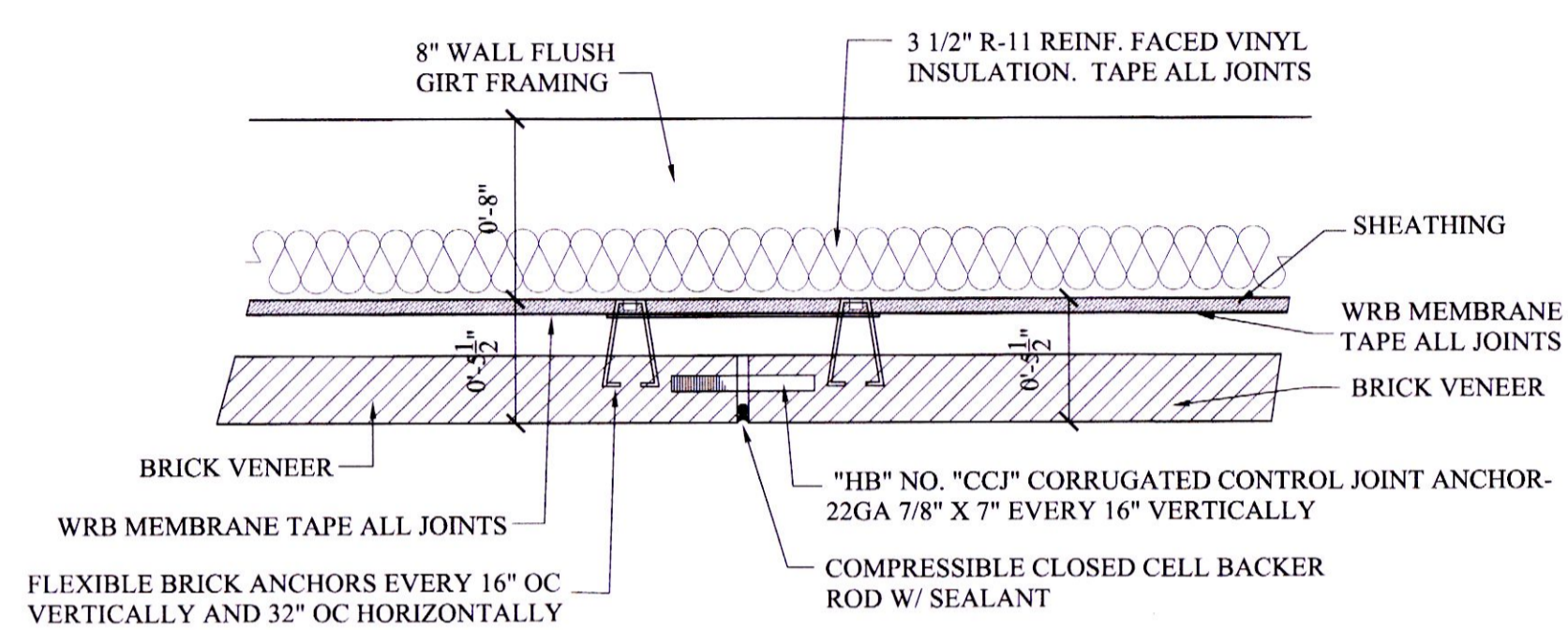
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SCALE: 1" = 1'-0"
A-21



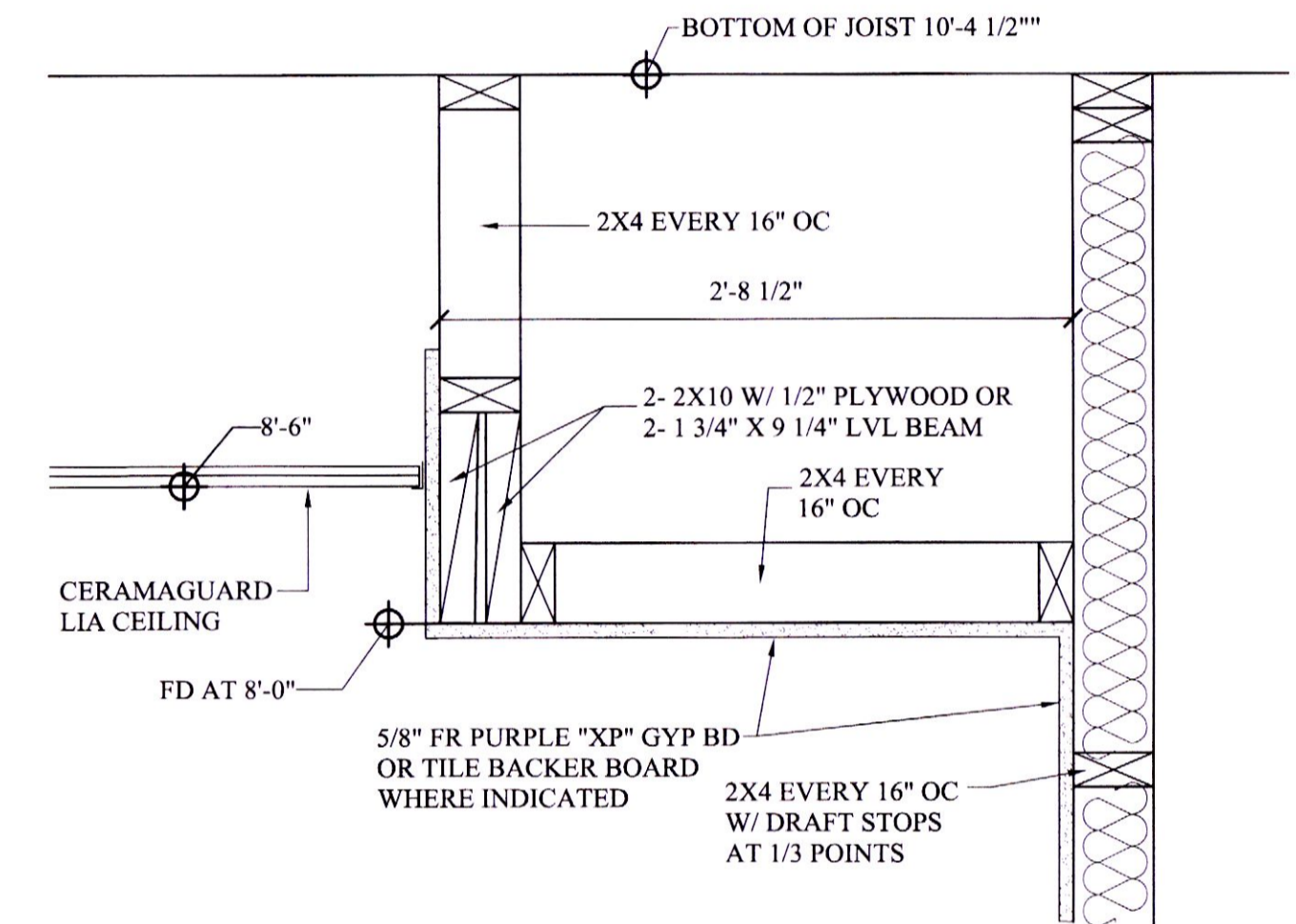
DETAIL- 8
SCALE: 1 1/2" = 1'-0"
A-21



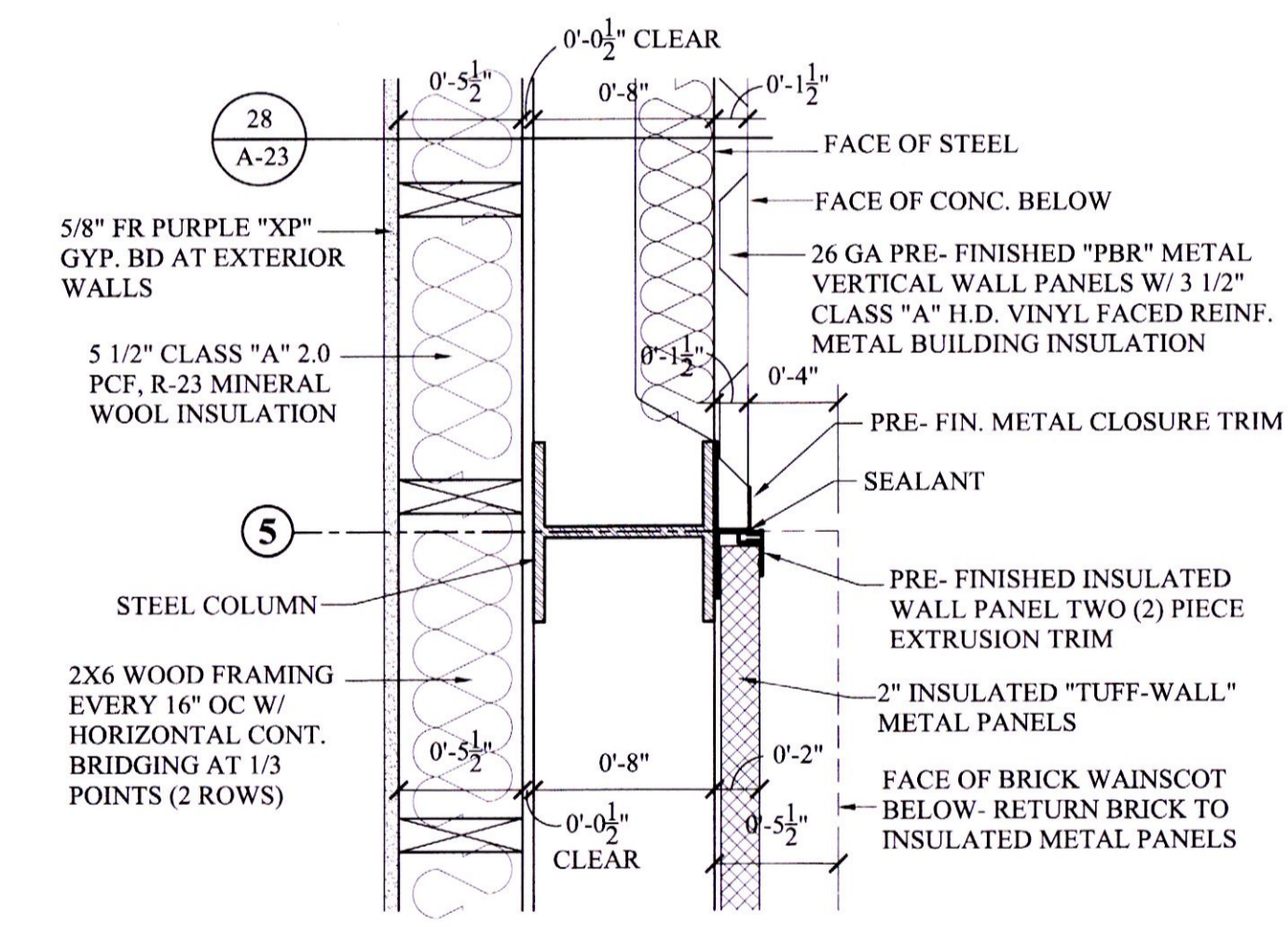
DETAIL- CONTROL JOINT 9
SCALE: 1 1/2" = 1'-0"
A-21



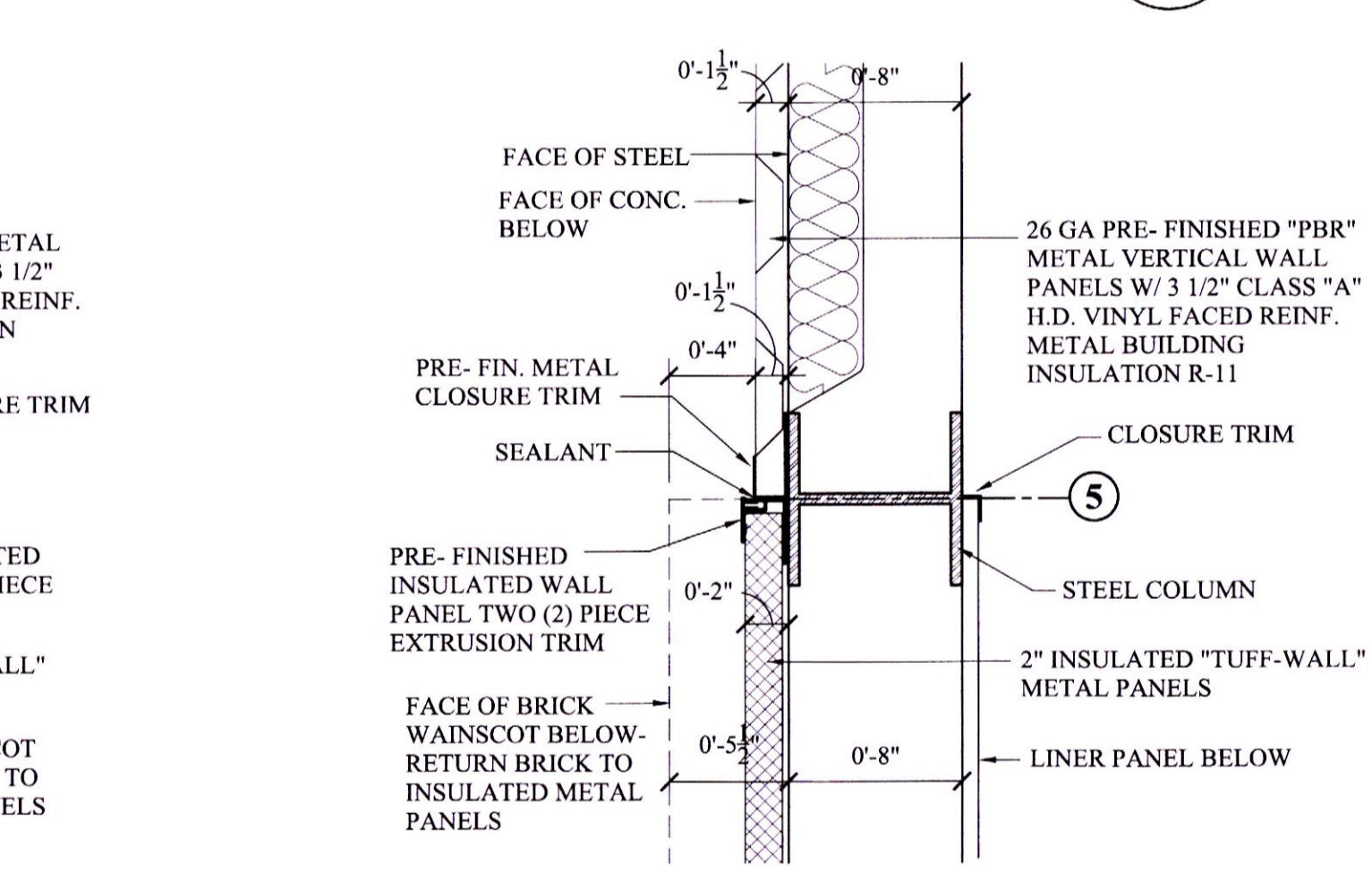
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A-21



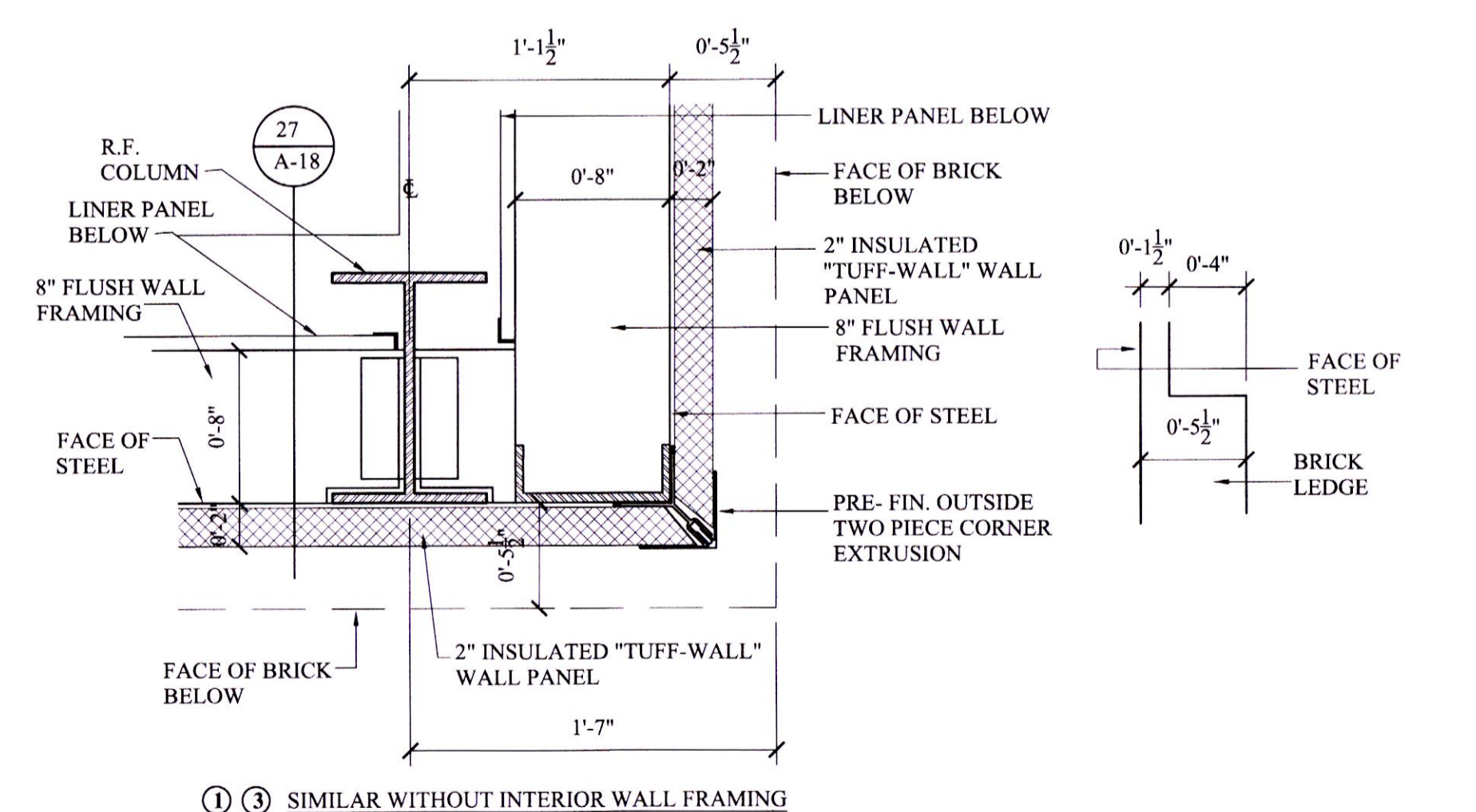
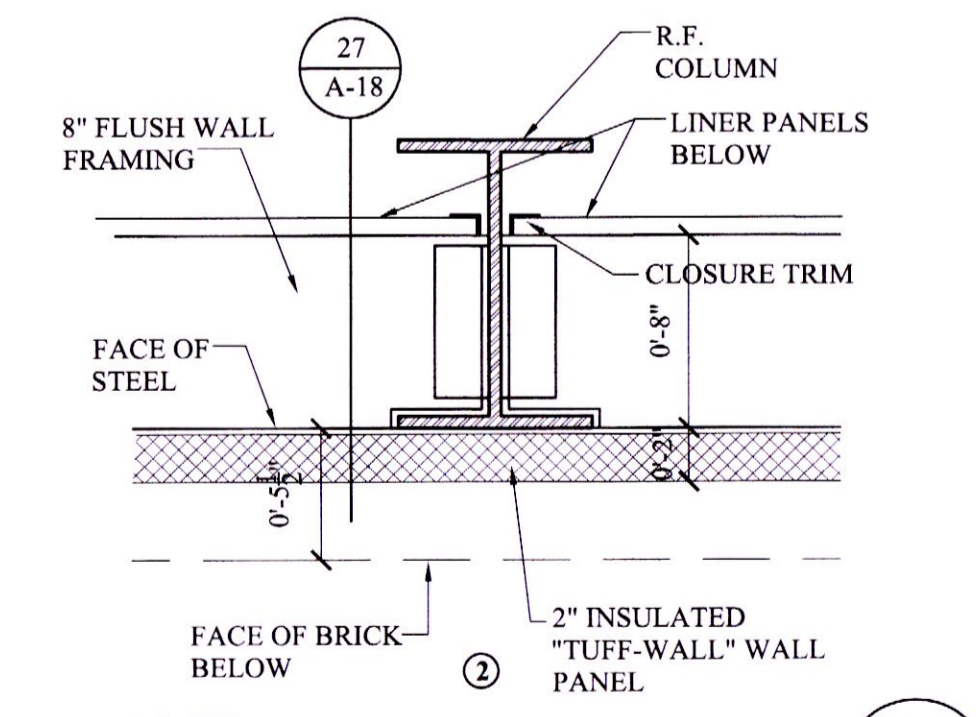
DETAIL- 10
SCALE: 1 1/2" = 1'-0"
A-21



DETAIL- 11
SCALE: 1 1/2" = 1'-0"
A-21

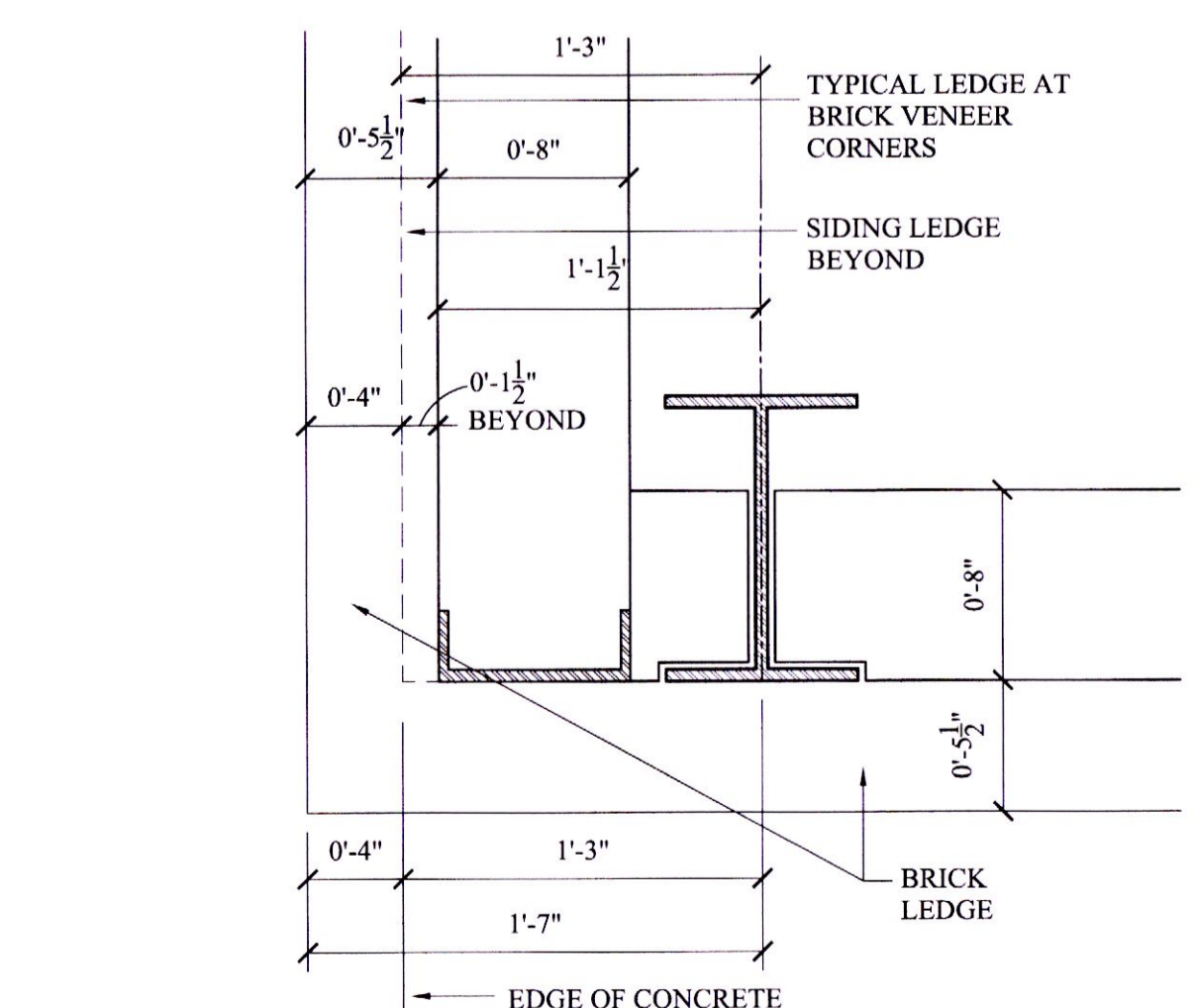


DETAIL- 12
SCALE: 1 1/2" = 1'-0"
A-21

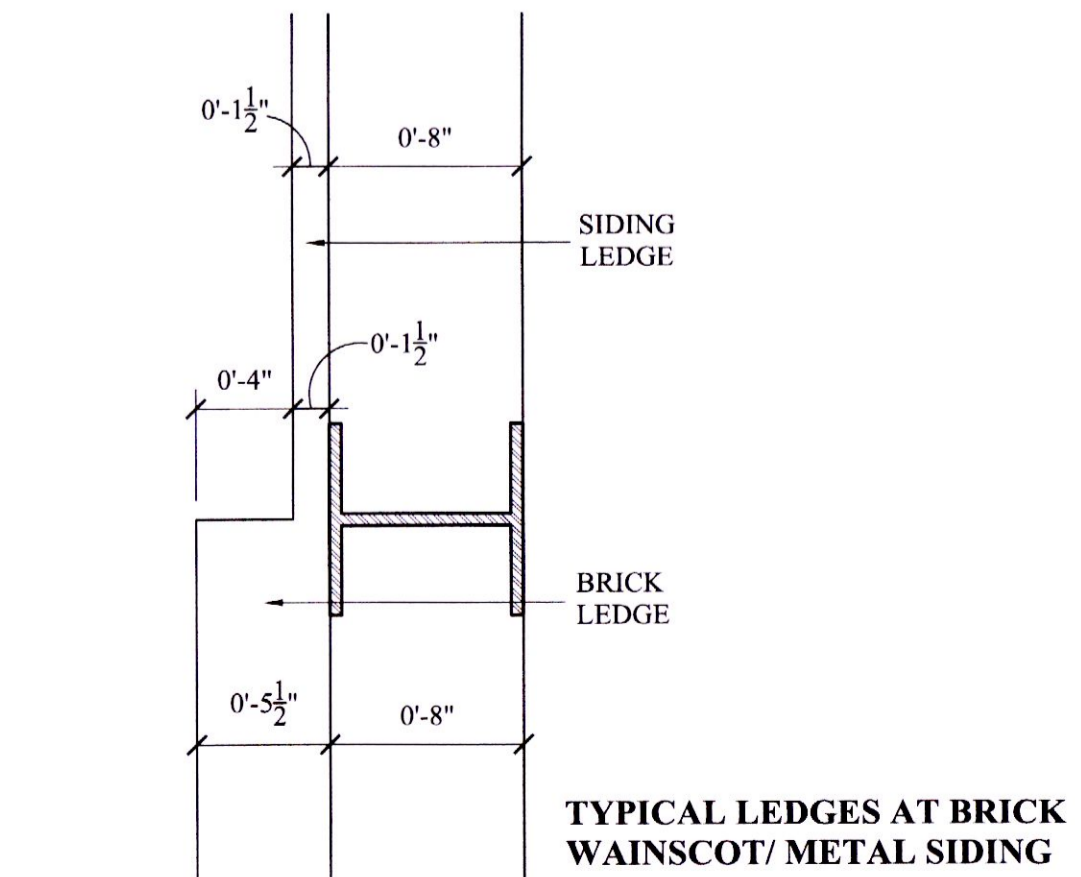


DETAIL- 13
SCALE: 1 1/2" = 1'-0"
A-21

DETAIL- 14
SCALE: 1 1/2" = 1'-0"
A-21

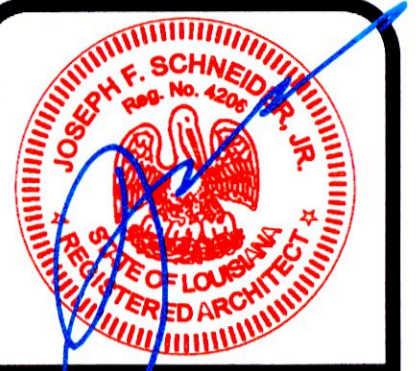


DETAIL- 15
SCALE: 1 1/2" = 1'-0"
A-21



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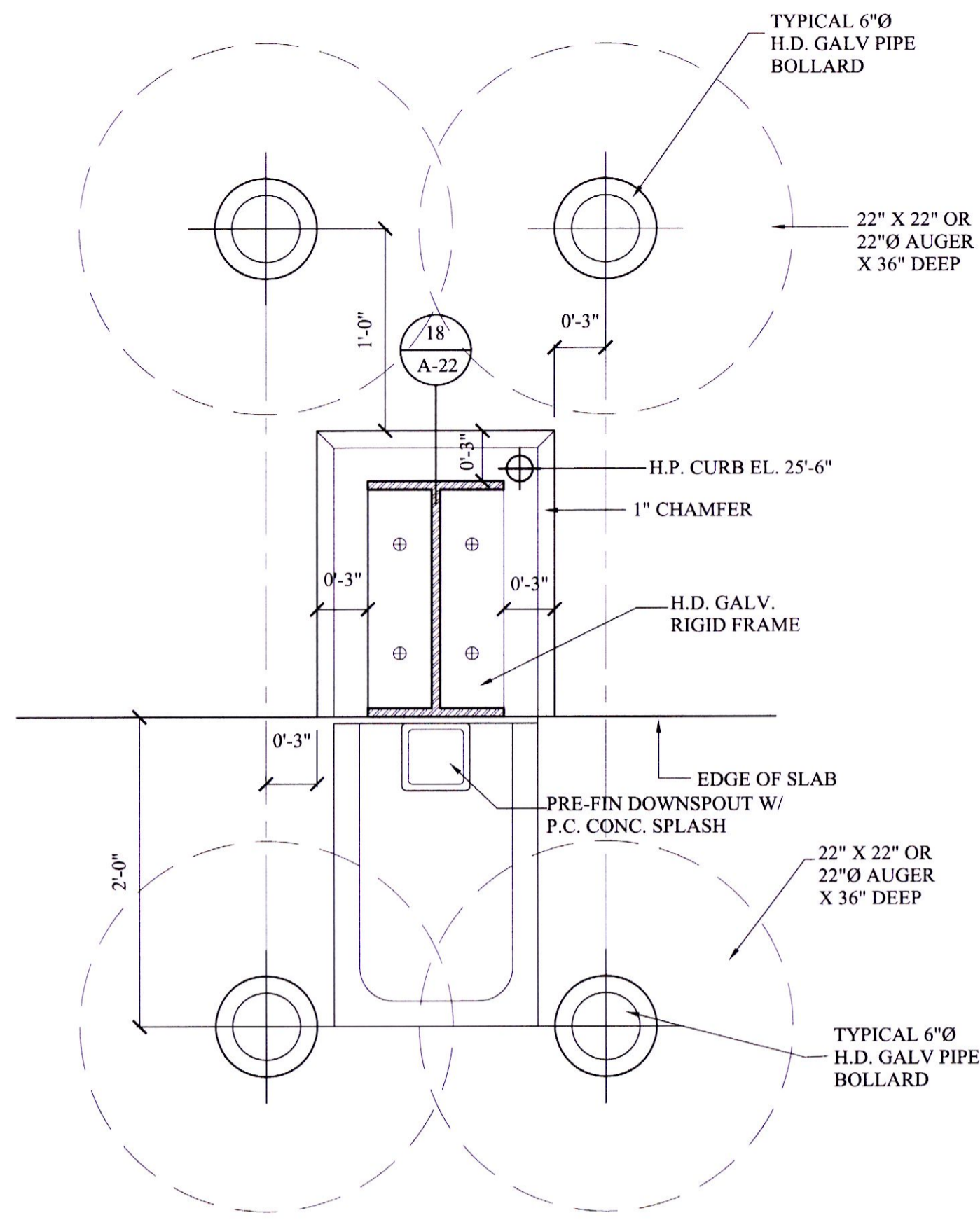
NEW FIRE FIRE STATION NO. 134 FOR ST. TAMMANY FIRE DISTRICT NO. 13
425 LEWARD LOOP
COVINGTON, LOUISIANA 70433

JOSEPH F. SCHNEIDER JR., AIA
ARCHITECT
L.A. #4206 MS #3020 AL #8724 FL #AR95908 TX #24294
105 EVANGELINE DRIVE, SLIDELL, LOUISIANA 70460
(985) 290-6648 jfsarchitect@charter.net

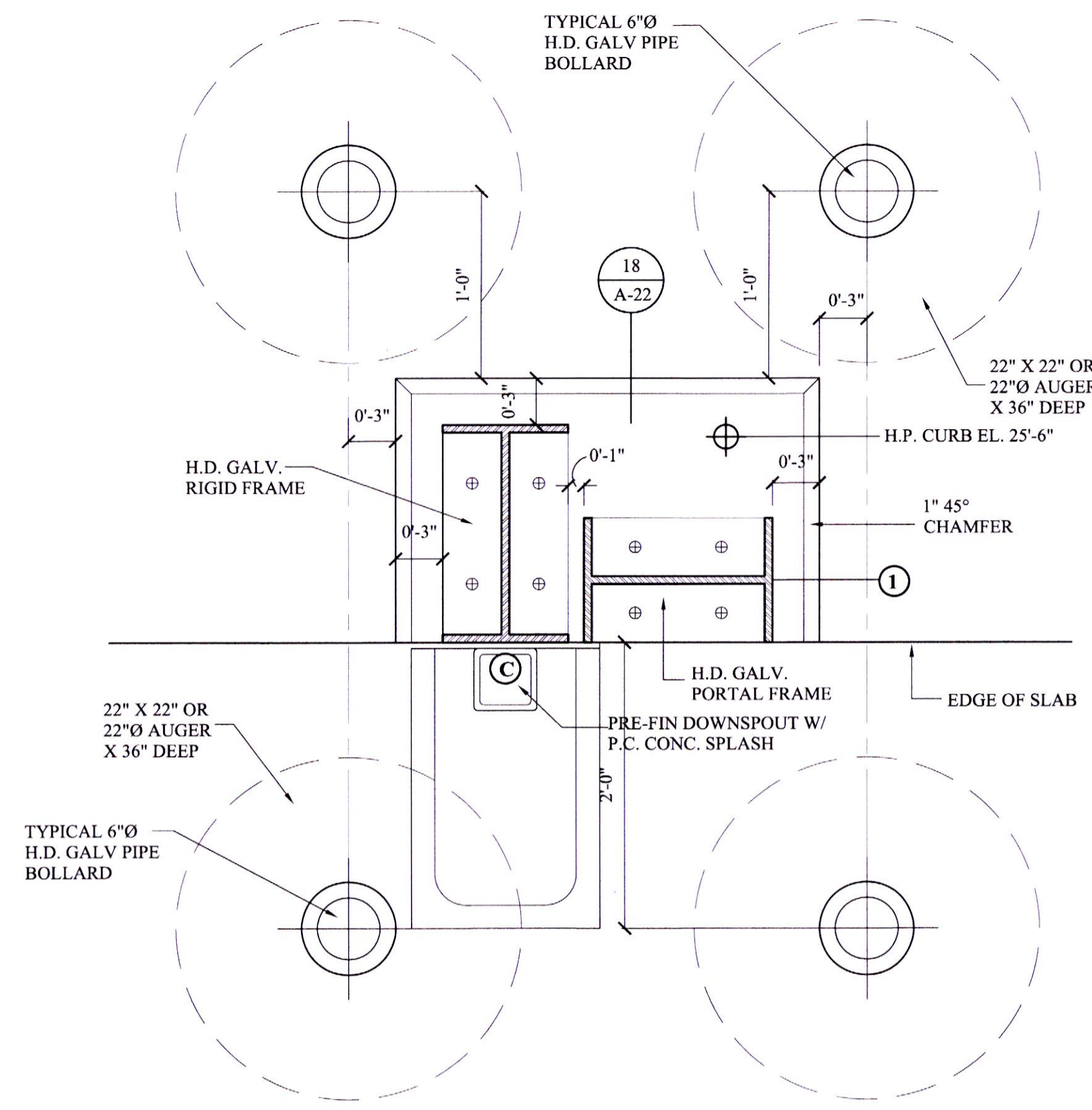
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H. SCHNEIDER
CHECKED
J. SCHNEIDER
DATE
03/20/2024
SCALE
AS NOTED
JOB NO.

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OF SHEETS

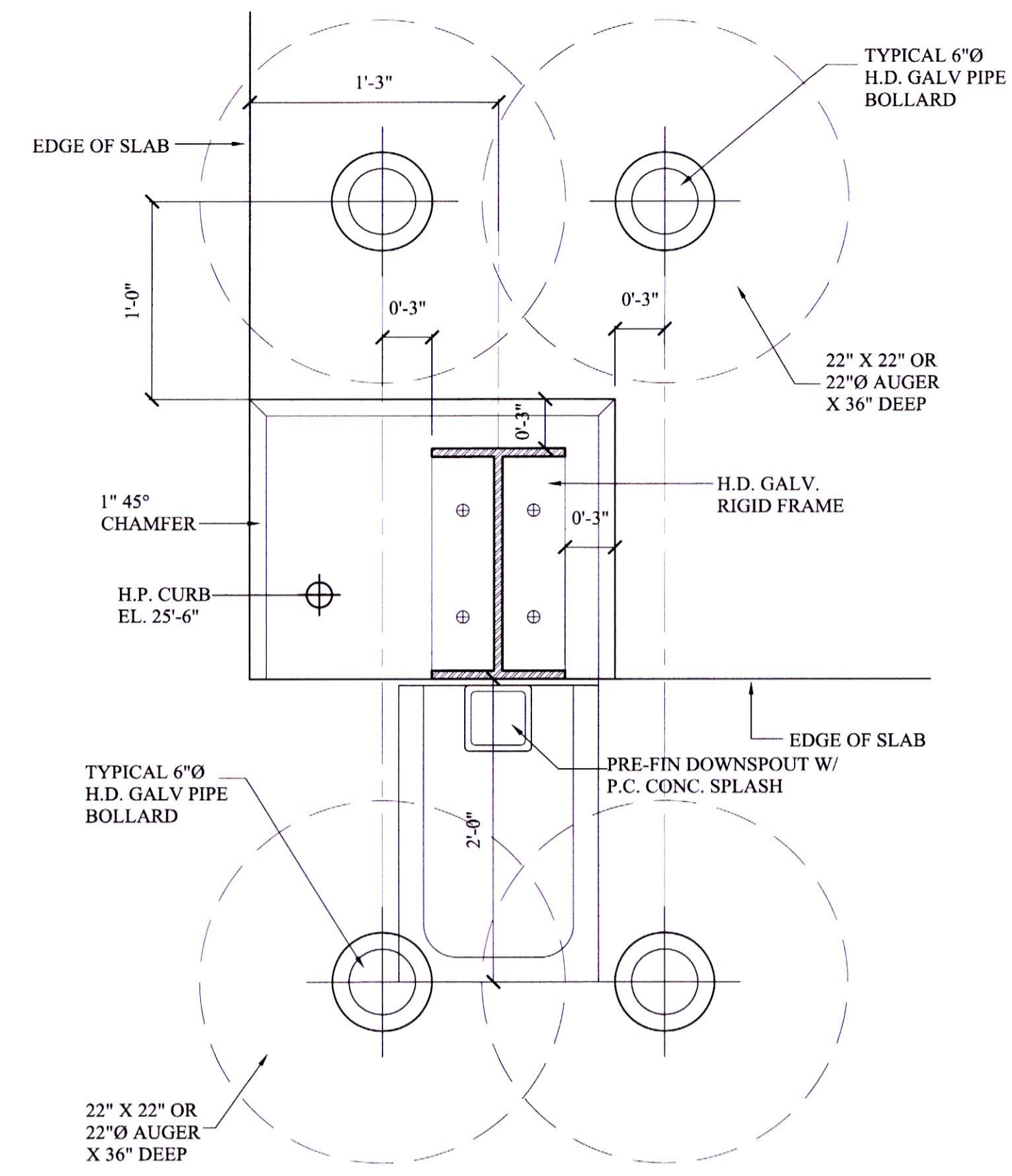
REVIEWED FOR STATE FIRE MARSHAL AS PER REVIEW LETTER BY WILLIAM D. JONES, ARCHITECT, CBO
William D. Jones



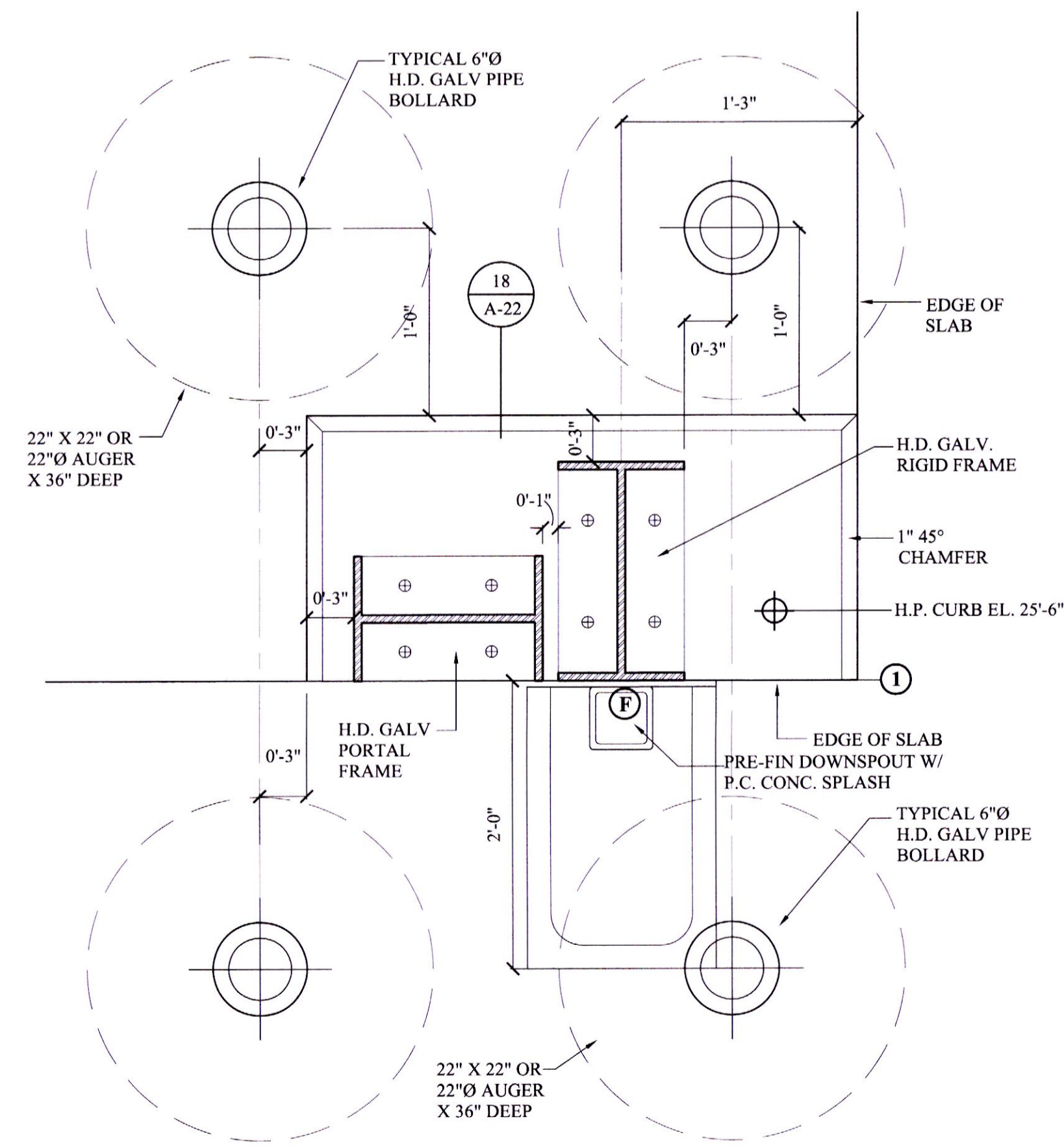
DETAIL- **A-A**
SCALE: 1 1/2" = 1'-0"
A-22



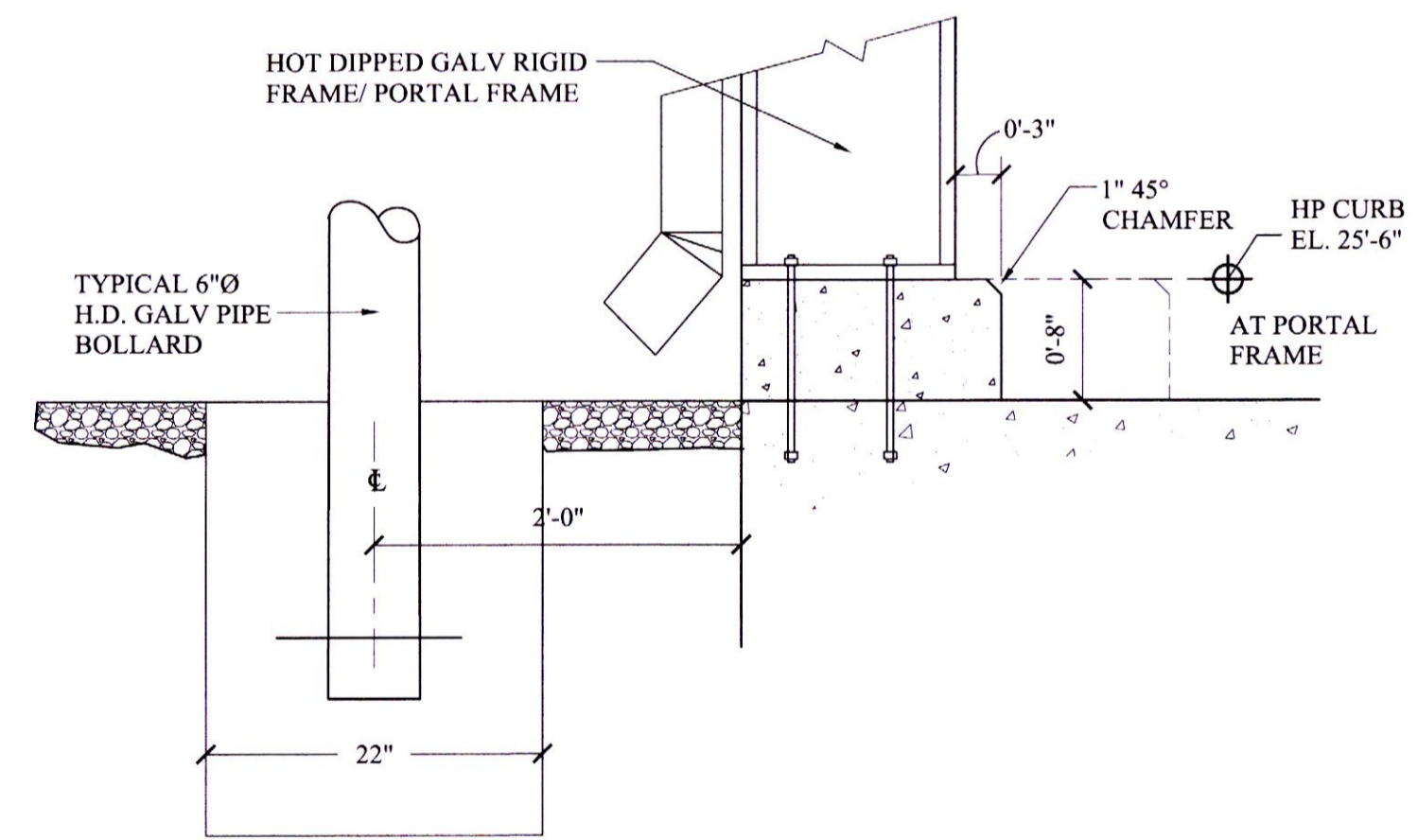
DETAIL- **B-B**
SCALE: 1 1/2" = 1'-0"
A-22



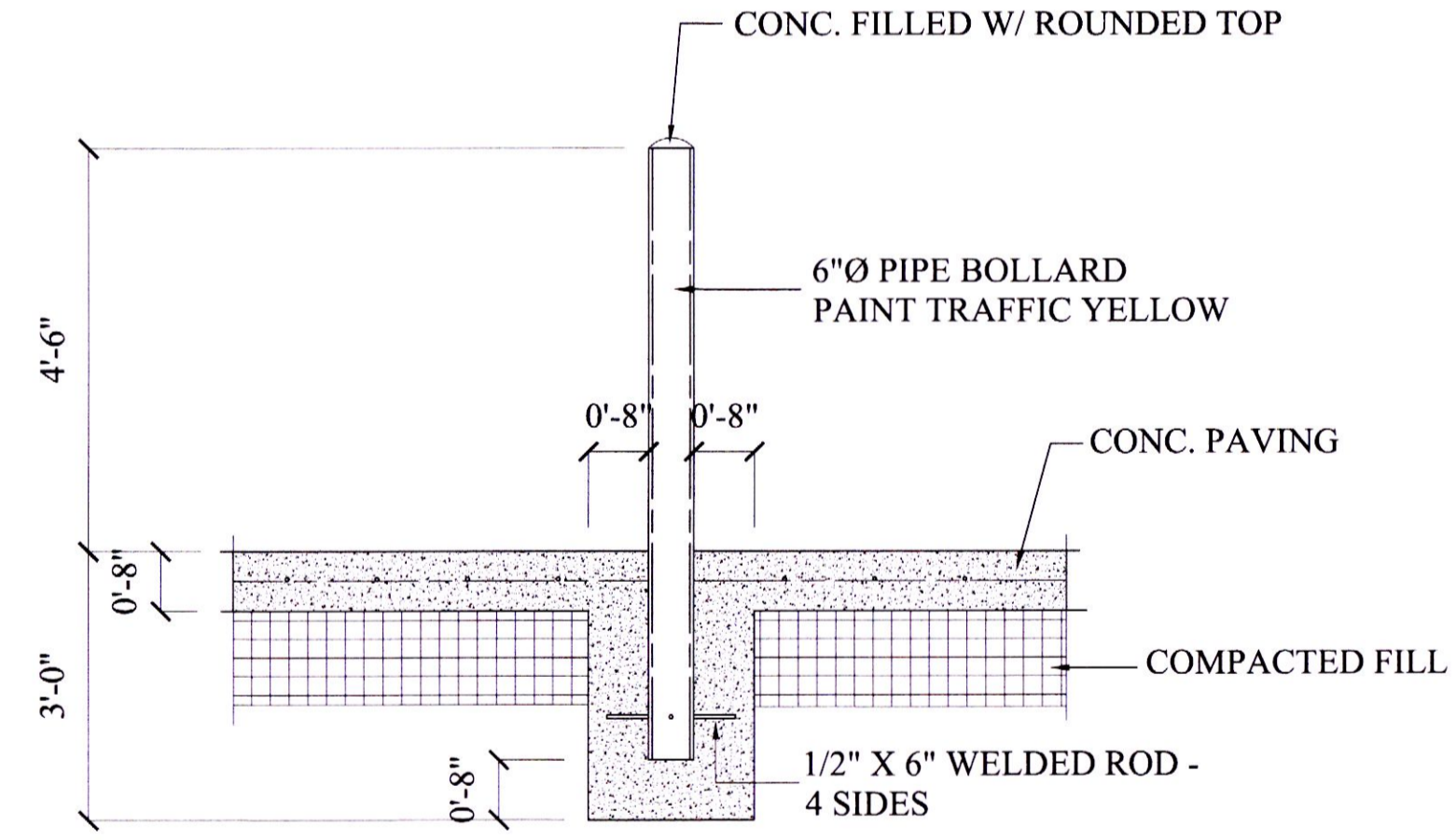
DETAIL- **C-C**
SCALE: 1 1/2" = 1'-0"
A-22



DETAIL- **D-D**
SCALE: 1 1/2" = 1'-0"
A-22



SECTION **18**
SCALE: 1" = 1'-0"
A-22



DETAIL-TYP. PIPE BOLLARD **A-22**

REVIEWED FOR
STATE FIRE MARSHAL
AS PER REVIEW LETTER
BY WILLIAM D. JONES, ARCHITECT, CBO
William D. Jones

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REVISIONS	BY

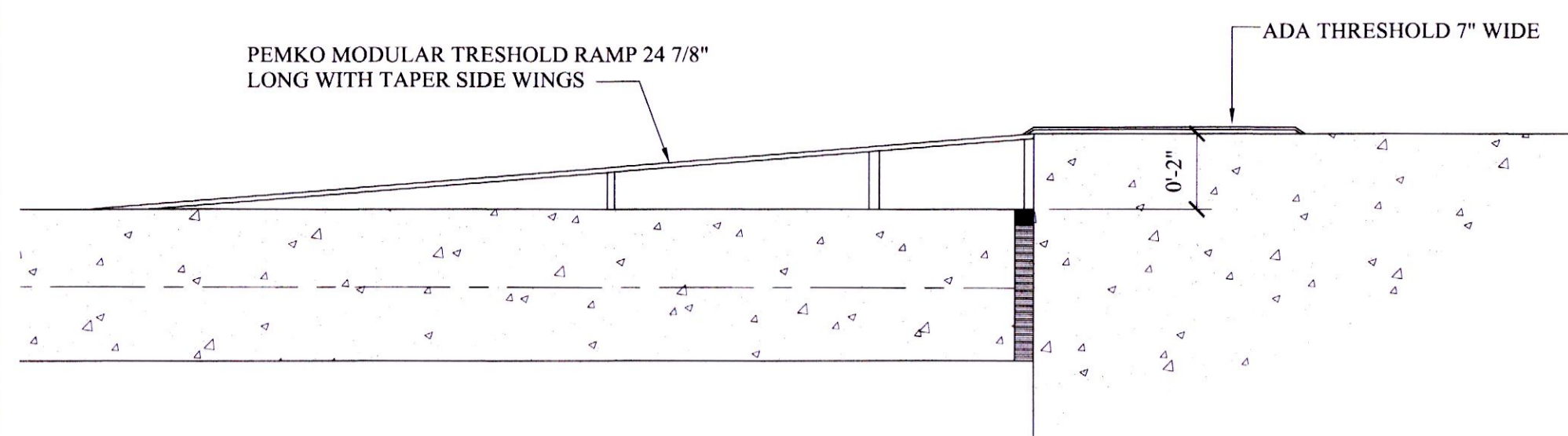


**NEW FIRE FIRE STATION NO. 134 FOR
ST. TAMMANY FIRE DISTRICT NO. 13**
425 LEEWARD LOOP ST. TAMMANY PARISH
COVINGTON, LOUISIANA 70433

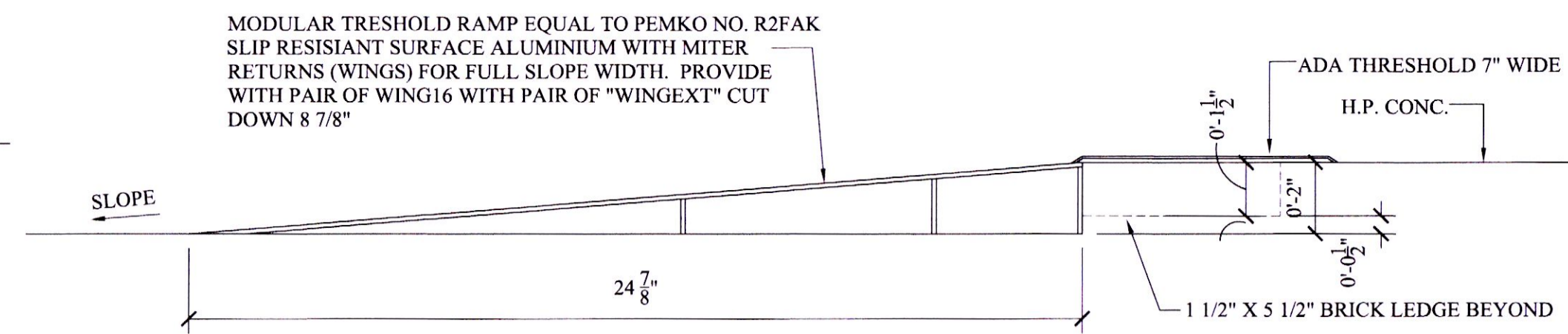
JOSEPH F. SCHNEIDER JR., AIA
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LA #4206 MS #3020 AL #8724 FL #AR95908 TX #24294
105 EVANGELINE DRIVE, SLIDELL, LOUISIANA 70460
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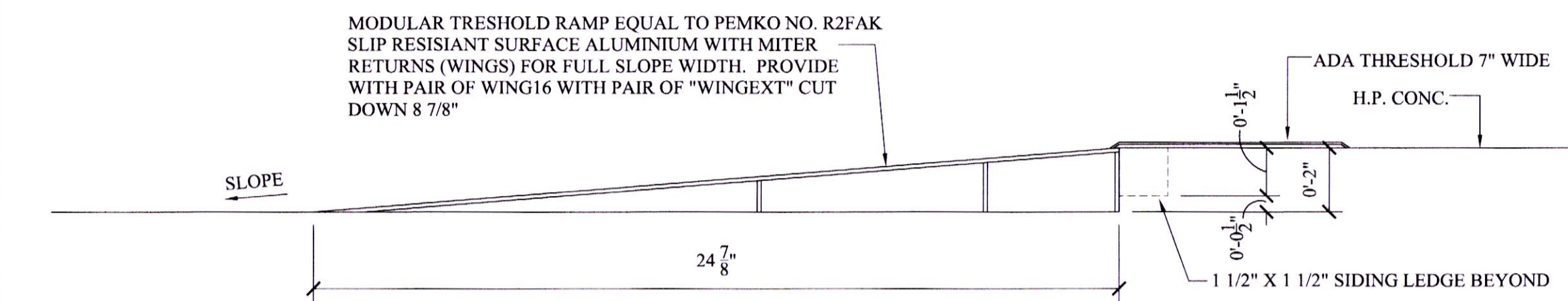
**TYPICAL ADA RAMP/ THRESHOLD
(BASE BID)**



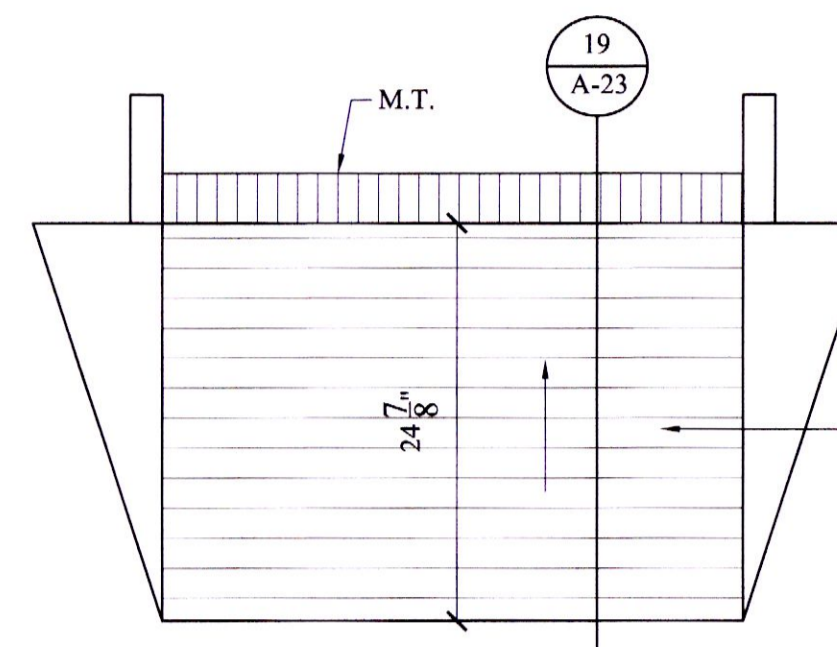
**TYPICAL ADA RAMP/ THRESHOLD
(DOORS 5, 6, 7, 8, & 9)**

DETAIL

19
A-23



**TYPICAL AT EXTERIOR PEDESTRIAN DOORS
(ALT NO. 1 & ART NO. 2)**

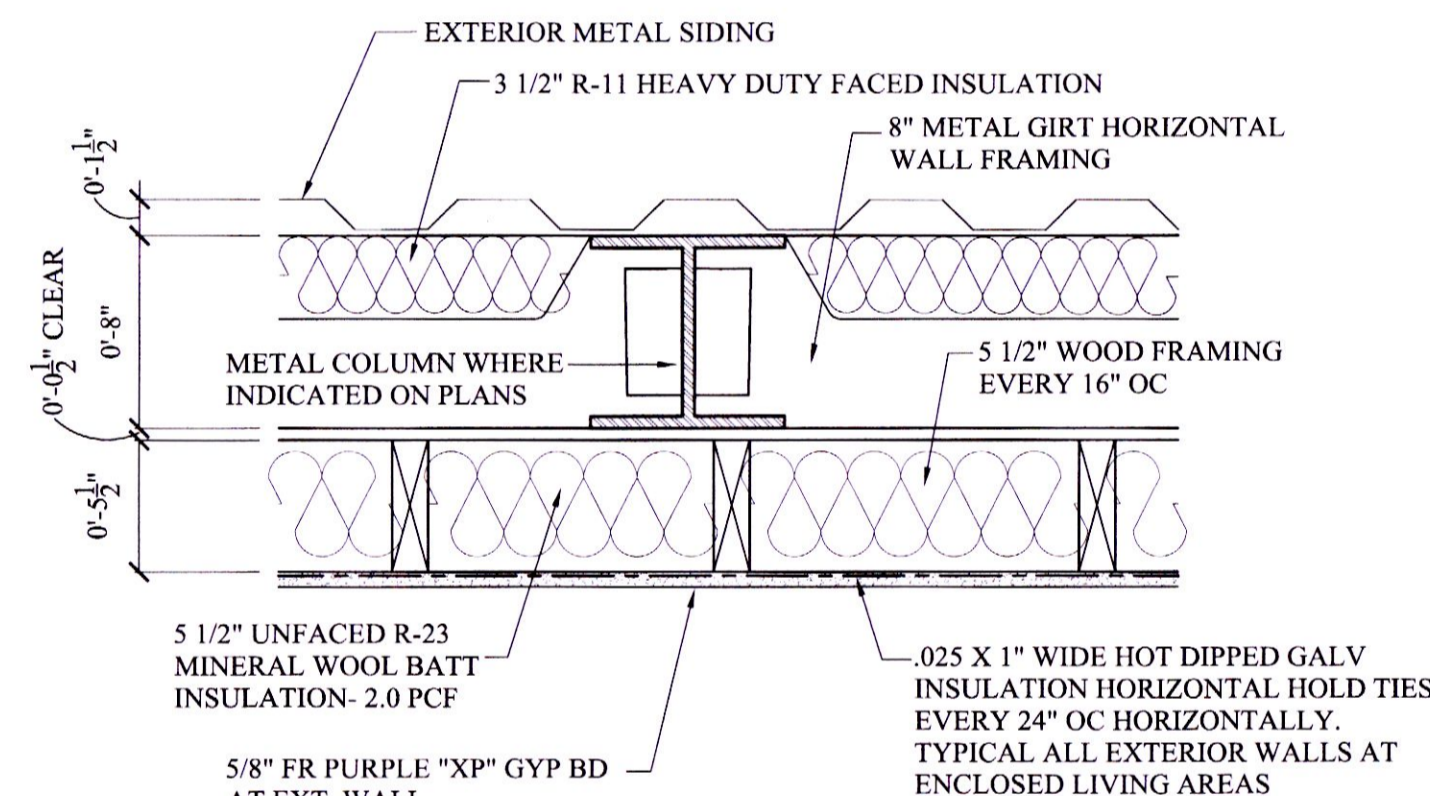


**TYPICAL DOOR THRESHOLD
(EXTERIOR AT DOORS 5, 6, 7, 8, & 9)**

PEMICO 36" WIDE X 24 7/8" MODULAR THRESHOLD RAMP NO. R2FAK ALUMINUM SLIP RESISTANT WITH MITER RETURN WINGS FOR FULL SLOPE WIDTH. PROVIDE WITH PAIR OF WING-16'S WITH PAIR OF "WINGEXT" CUT DOWN TO 8 7/8". PROVIDE WITH 7" ADA THRESHOLD.

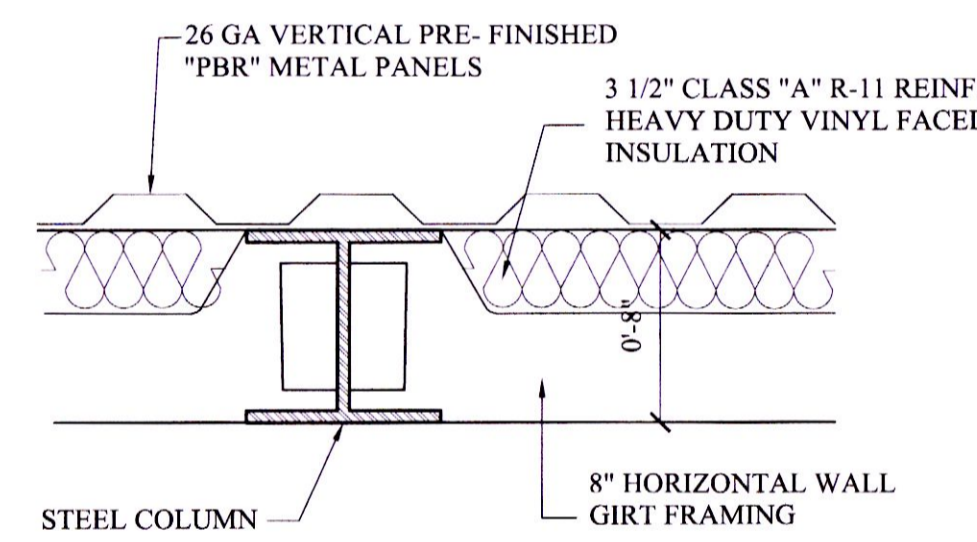
GENERAL NOTES:

- DO NOT SCALE DRAWINGS. USE WRITTEN DIMENSIONS ONLY. SUBMIT TO ARCHITECT ANY DISCREPANCIES FOR CLARIFICATIONS.
- ALL WORK SHALL BE IN COMPLIANCE WITH THE INTERNATIONAL BUILDING CODE, NFPA, RECOGNIZED BUILDING STANDARDS, ALL MANUFACTURER'S RECOMMENDATIONS AND SPECIFICATIONS, AND ALL OTHER APPLICABLE CODES AND STANDARDS.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR BUILDING THIS PROJECT IN ACCORDANCE WITH THE DRAWINGS AND SPECIFICATIONS A WRITTEN NOTIFICATION FROM THE OWNER OR ARCHITECT IS ISSUED.
- THE LOCATION OF THE EXISTING UTILITIES AND STRUCTURE INDICATED ON THE PLANS ARE APPROXIMATE. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY THE EXISTENCE AND ACTUAL LOCATION OF SUCH PRIOR TO ANY EXCAVATION. ANY DAMAGES SHALL BE REPAIRED AT THE EXPENSE OF THE CONTRACTOR.
- PRIOR TO ANY EXCAVATION, THE CONTRACTOR AND HIS SUBCONTRACTORS SHALL CONTACT NOTIFY LOUISIANA ONE-CALL AT 1-800-272-3020 FOR LOCATION OF ALL SUB-SURFACE UTILITIES. ALL NOTIFICATIONS SHALL COMPLY WITH THE LOUISIANA UNDERGROUND UTILITIES AND FACILITIES DAMAGE PREVENTION LAW.
- FIRE BARRIERS SHALL BE CONTINUOUS FROM OUTSIDE WALL TO OUTSIDE WALL. FROM ANOTHER FIRE BARRIER TO A FIRE BARRIER. TO A FIRE BARRIER OR A COMBINATION THEREOF, INCLUDING CONTINUITY THROUGH ALL CONCEALED SPACES SUCH AS THOSE FOUND ABOVE A CEILING, INCLUDING ALL INTERSTITIAL SPACES.
- PASSAGES OF PIPES, CONDUITS, BUS DUCTS, CABLES, WIRES, AIR DUCTS, PNEUMATIC DUCTS, AND SIMILAR BUILDING SERVICES EQUIPMENT THROUGH FIRE BARRIERS SHALL BE PROTECTED AS FOLLOWS: THE SPACE BETWEEN PENETRATING ITEM AND FIRE BARRIER SHALL BE FILLED WITH A MATERIAL CAPABLE OF MAINTAIN THE FIRE RESISTANCE RATING OF THE FIRE BARRIER PRODUCT. PRODUCT USED MUST NEED TEST METHODS ASTM E814 OR UL1479 FOR FIRE RATINGS.
- FIRE BARRIERS SHALL BE EFFECTIVELY AND PERMANENTLY IDENTIFIED WITH 1" STENCILING AT 30' ON CENTERS ABOVE ANY DECORATIVE OR FINISHED CEILING AND CONCEALED SPACES WITH THE FOLLOWING: "FIRE/SMOKE BARRIER-PROTECT ALL OPENINGS". COLOR OF STENCIL LETTERING SHALL BE "RED". MARKINGS SHALL INCLUDE ALL FIRE WALLS, FIRE BARRIERS, FIRE PARTITIONS, SMOKE BARRIERS AND SMOKE PARTITIONS. ALL LABELING SHALL COMPLY WITH 2015 IBC SECTION 703.6.
- PROVIDE BLOCKING IN ALL STUD WALLS THAT ARE TO RECEIVE GRAB BARS, TOILET PARTITIONS, SIGNAGE, TOILET ACCESSORIES, MIRRORS, AND SCREENS.
- ALL EXTERIOR JOINTS IN THE BUILDING ENVELOPE THAT ARE SOURCES OF AIRE AND/OR WATER LEAKS SHALL BE CAULKED, GASKETED, WEATHER-STRIPPED, OR OTHERWISE SEALED.
- PROVIDE CONTINUOUS WATERPROOFING SILICONE BASED SEALANT AND BACKER ROD AT ALL ALUMINUM WINDOW STOREFRONT AND ADJACENT MATERIAL TERMINATIONS. SEALANT SHALL MATCH ADJACENT MATERIAL COLOR.
- PROVIDE CONTINUOUS SEALANT AND BACKER ROD AT ALL JUNCTIONS BETWEEN DISSIMILAR MATERIALS, I.E., BRICK TO EPIS, STOREFRONT TO BRICK.
- ALL METAL VENTS AND FLUES SHALL BE FLASHED WITH A FLASHING BOOT. SEAL ALL METAL TO METAL CONNECTIONS WITH DOW CORNING NO. 795. NO CLEAR SILICONE SHALL BE ALLOWED.
- PROVIDE METAL J-MOLDING AND CORNER BEADS AT THE EXPOSED EDGES OF ALL GYPSUM BOARD WALL AND CEILING CONDITIONS.
- ALL GYPSUM BOARD AT TOILET ROOMS SHALL BE MINIMUM 5/8" PURPLE "XP" MOLD/MILDEW RESISTANT SHEATHING.
- ALL BACKING FOR CERAMIC TILES AT SHOWERS AND WE AREAS SHALL BE MATCHING WALL SHEATHING HARDI OR OTHER EQUAL CEMENT BOARD BACKING.
- ALL ELECTRICAL WORK SHALL COMPLY WITH NEC 2014 EDITION.
- ALL PLUMBING WORK SHALL COMPLY WITH 2015 INTERNATIONAL PLUMBING CODE.



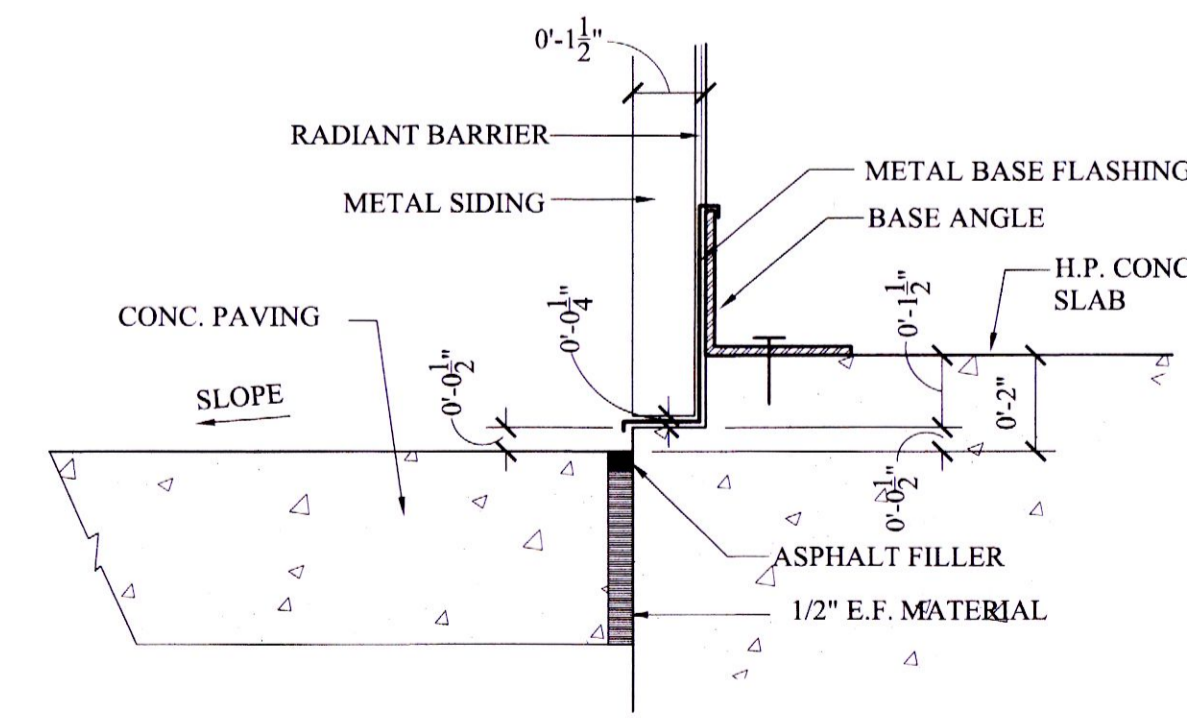
DETAIL

28
A-23



DETAIL

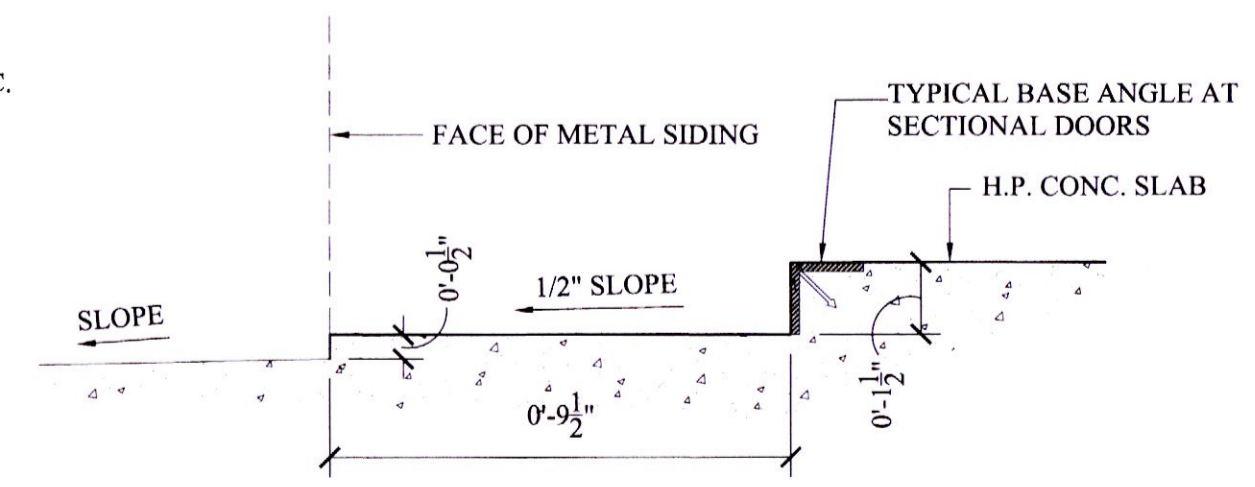
29
A-23



DETAIL- SLAB EDGE AT METAL SIDING AND EXTERIOR PAVING CONC PADS

SCALE: 3" = 1'-0"

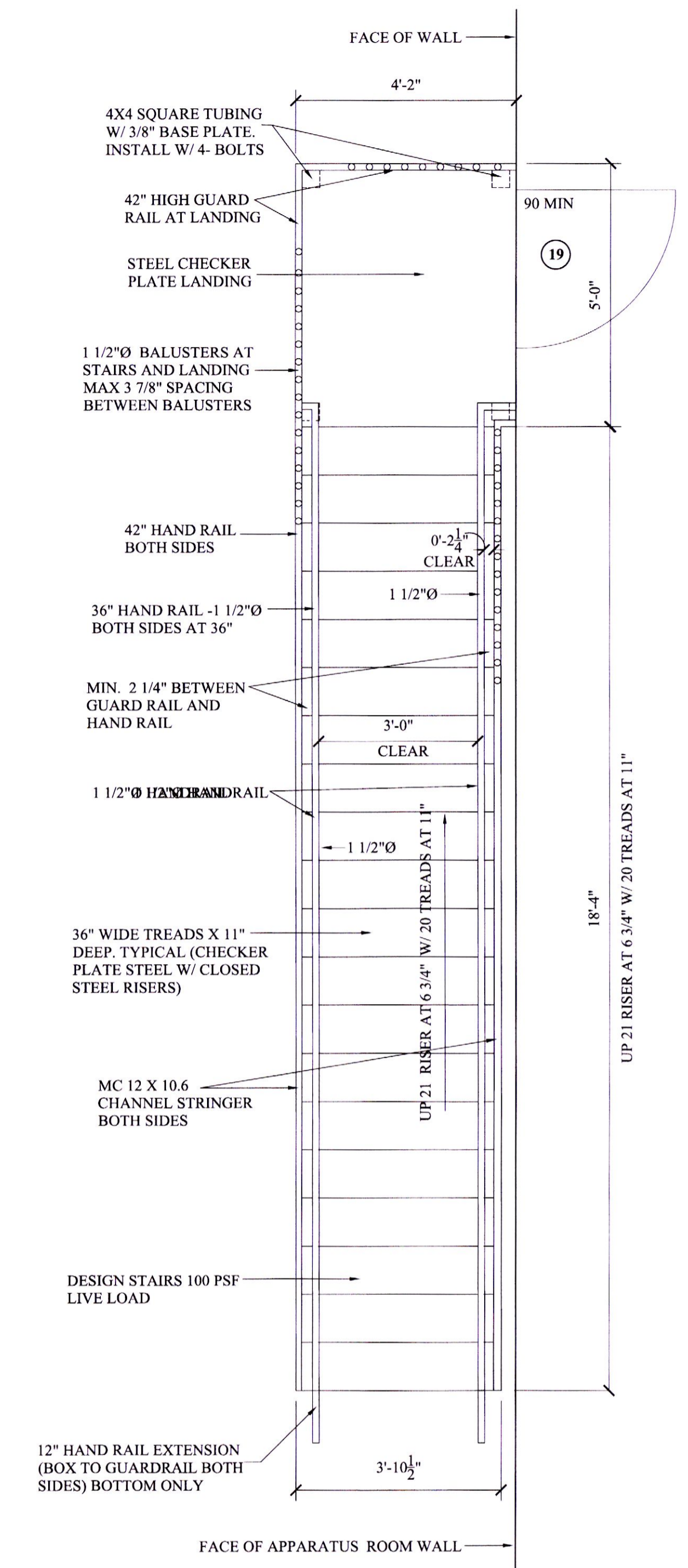
A-23



DETAIL- SECTIONAL DOORS

SCALE: 3" = 1'-0"

A-23



DETAIL- NEW STAIR IN APPARATUS ROOM

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

20
A-23

LAPEYRE STAIR MODEL NO. 04AA 1BC INDUSTRIAL STAIR UNIT W/ DIAMOND CHECKER PLATE TREADS AND SMOOTH STEEL RISERS. ALL STEEL SAFETY YELLOW POWDER COAT FINISH, INCLUDING GUARD AND HAND RAILS. INSTALL TO MANUFACTURER'S RECOMMENDATIONS AND SPECIFICATIONS. PROVIDE 1 1/2" BALUSTERS (VERTICALLY) GUARD RAIL AT LANDING AND STAIRS W/ BOX TO GUARD RAIL AT BOTTOM

REVISIONS	BY



**NEW FIRE STATION NO. 134 FOR
ST. TAMMANY FIRE DISTRICT NO. 13**
425 LEEWARD LOOP ST. TAMMANY PARISH
COVINGTON, LOUISIANA 70433

**JOSEPH F. SCHNEIDER JR., AIA
ARCHITECT**
LA #4206 MS #3020 AL #8724 FL #AR95908 TX #24294
105 EVANGELINE DRIVE, SLIDELL, LOUISIANA 70460
(985) 290-6648
jfsarchitect@charter.net

DRAWN H. SCHNEIDER
CHECKED J. SCHNEIDER
DATE 03/20/2024
SCALE AS NOTED
JOB NO.
SHEET A-23
OF SHEETS

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REVIEWED FOR
STATE FIRE MARSHAL
AS PER REVIEW LETTER
BY: WILLIAM D. JONES, ARCHITECT, CBO
William D. Jones

INTERIOR Paint Schedule (UPDATED 8/23/2022)

SHEEN	SUBSTRATE	PRIMER COAT	TWO FINISH COATS
FLAT /MATTE	GYPSUM BOARD-CEILING	PROMAR 200 ZERO-VOC INTERIOR LATEX PRIMER, B28W2600	PROMAR 200 ZERO-VOC INTERIOR LATEX FLAT, B30-2800
	GYPSUM WALLBOARD	PROMAR 200 ZERO-VOC INTERIOR LATEX PRIMER, B28W2600	PROMAR 200 ZERO-VOC INTERIOR LATEX FLAT, B30-2800
SCRUBABLE FINISH (FLAT)	CONCRETE INCLUDING TILT-UP CONCRETE MASONRY UNITS (CMU)	LOXON CONCRETE & MASONRY PRIMER, LX02W50	PROMAR 200 ZERO-VOC INTERIOR LATEX FLAT, B30-2800
	OPEN CEILING & BAR JOIST	PRO INDUSTRIAL PRO-CRYL PRIMER B66-1300 SERIES (Spot Prime)	PRO INDUSTRIAL WATERBORNE ACRYLIC DRYFALL FLAT, B42W161
EG-SHEL /SATIN /LOW SHEEN	GYPSUM WALLBOARD (SCRUBABLE UPGRADE)	PROMAR 200 ZERO-VOC INTERIOR LATEX PRIMER, B28W2600	SCUFF TUFF INTERIOR WATERBASED ENAMEL MATTE, S23-50 SERIES
	PAINTED WOOD (STAINED WOOD)	PREMIUM WALL & WOOD PRIMER B28W08111	PRO INDUSTRIAL WB ALKYD URETHANE LOW SHEEN B53-1250 SERIES
SCRUBABLE FINISH (EG-SHEL)	MINI-MAX PERFORMANCE SERIES TINTABLE WOOD STAIN	MINI-MAX PERFORMANCE SERIES TINTABLE WOOD STAIN	MINI-MAX PERFORMANCE SERIES FAST-DRY VARNISH Satin
	GYPSUM WALLBOARD (WET AREAS)	PROMAR 200 ZERO-VOC INTERIOR LATEX PRIMER, B28W2600	PRO INDUSTRIAL WATERBASED CATALYZED EPOXY EG-SHEL, B73-360 SERIES
WET AREAS (EG-SHEL)	PAINTED WOOD	PREMIUM WALL & WOOD PRIMER B28W08111	PRO INDUSTRIAL WB ALKYD URETHANE SEMI-GLOSS B53-1150 SERIES
	CONCRETE MASONRY UNITS (CMU) PAINT FINISH	LOXON CONCRETE & MASONRY PRIMER LX02W50	PRO INDUSTRIAL ACRYLIC SEMI-GLOSS, B66-650 SERIES
SEMI-GLOSS	CONCRETE MASONRY UNITS (CMU) PAINT FINISH	LOXON CONCRETE & MASONRY PRIMER LX02W50	PRO INDUSTRIAL ACRYLIC SEMI-GLOSS, B66-650 SERIES
	OPEN CEILING & BAR JOIST	PRO INDUSTRIAL PRO-CRYL PRIMER B66-1300 SERIES (Spot Prime)	PRO INDUSTRIAL WATERBORNE ACRYLIC DRYFALL SEMI-GLOSS, B42W83
SCRUBABLE FINISH (SEMI-GLOSS)	GYPSUM WALLBOARD (SCRUBABLE UPGRADE)	PROMAR 200 ZERO-VOC INTERIOR LATEX PRIMER, B28W2600	SCUFF TUFF INTERIOR WATERBASED ENAMEL SEMI-GLOSS, S26-50 SERIES
	GYPSUM WALLBOARD (WET AREAS)	PROMAR 200 ZERO-VOC INTERIOR LATEX PRIMER, B28W2600	PRO INDUSTRIAL WATERBASED CATALYZED EPOXY SEMI-GLOSS, B70-200 SERIES
WET AREAS (SEMI-GLOSS)	PAINTED WOOD	PREMIUM WALL & WOOD PRIMER B28W08111	PRO INDUSTRIAL WB ALKYD URETHANE GLOSS B53-1050 SERIES
	CONCRETE MASONRY UNITS (CMU) EPOXY FINISH	LOXON CONCRETE & MASONRY PRIMER LX02W50	PRO INDUSTRIAL ACRYLIC SEMI-GLOSS, B66-650 SERIES
GLOSS	METAL-FERROUS & GALVANIZED (handrails)	PRO INDUSTRIAL PRO-CRYL PRIMER B66-1300 SERIES	PRO INDUSTRIAL WB ALKYD URETHANE GLOSS B53-1050 SERIES
	RESINOUS FLOORS	PRO INDUSTRIAL PRO-CRYL PRIMER B66-1300 SERIES	PRO INDUSTRIAL WB ALKYD URETHANE GLOSS B53-1050 SERIES
WET AREAS (GLOSS)	GYPSUM WALLBOARD (WET AREAS)	PROMAR 200 ZERO-VOC INTERIOR LATEX PRIMER, B28W2600	PRO INDUSTRIAL WATERBASED CATALYZED EPOXY GLOSS, B73-360 SERIES

EXTERIOR Paint Schedule (UPDATED 8/23/2022)

SHEEN	SUBSTRATE	PRIMER COAT	TWO FINISH COATS
FLAT	CONCRETE, STUCCO, EIFS, CEMENT BOARD SIDING	LOXON CONCRETE & MASONRY PRIMER LX02W50	LATTITUDE EXTERIOR ACRYLIC FLAT, K90-650 SERIES
	CONCRETE MASONRY UNITS (CMU)	PRO INDUSTRIAL HEAVY-DUTY BLOCK FILLER, B42W150	LATTITUDE EXTERIOR ACRYLIC FLAT, K90-650 SERIES
SELF-CLEANING (FLAT)	CONCRETE, STUCCO, EIFS, CEMENT BOARD SIDING	LOXON CONCRETE & MASONRY PRIMER LX02W50	LOXON SELF-CLEANING ACRYLIC FLAT, LX13 SERIES
	CONCRETE MASONRY UNITS (CMU)	PRO INDUSTRIAL HEAVY-DUTY BLOCK FILLER, B42W150	LOXON SELF-CLEANING ACRYLIC FLAT, LX13 SERIES
WATERPROOFING COATING (FLAT)	CONCRETE, STUCCO, EIFS, CEMENT BOARD SIDING	LOXON CONCRETE & MASONRY PRIMER LX02W50	LOXON XP WATERPROOFING MASONRY COATING FLAT, LX11-50 SERIES (APPLIED AT 14.5 - 18.5 MILS WET PER COAT)
	CONCRETE MASONRY UNITS (CMU)	LOXON ACRYLIC BLOCK SURFACER, LX11W200	LOXON XP WATERPROOFING MASONRY COATING FLAT, LX11-50 SERIES (APPLIED AT 14.5 - 18.5 MILS WET PER COAT)
SATIN /Eg-Shel	PAINTED WOOD	EXTERIOR OIL-BASED WOOD PRIMER Y24W0620	LATTITUDE EXTERIOR ACRYLIC SATIN, K92-650 SERIES
	GYPSUM BOARD	PREPRITE PROBLOCK PRIMER, B51W620	LATTITUDE EXTERIOR ACRYLIC SATIN, K92-650 SERIES
SELF-CLEANING (SATIN)	METAL-FERROUS & GALVANIZED	PRO INDUSTRIAL PRO-CRYL PRIMER B66-1310 SERIES	PRO INDUSTRIAL DTM ACRYLIC EG-SHEL, B66-1250 SERIES
	CONCRETE, STUCCO, EIFS, CEMENT BOARD SIDING	LOXON CONCRETE & MASONRY PRIMER LX02W50	LATTITUDE EXTERIOR ACRYLIC SATIN, K92-650 SERIES
SELF-CLEANING (SATIN)	CONCRETE MASONRY UNITS (CMU)	PRO INDUSTRIAL HEAVY-DUTY BLOCK FILLER, B42W150	LATTITUDE EXTERIOR ACRYLIC SATIN, K92-650 SERIES
	CONCRETE MASONRY UNITS (CMU)	LOXON CONCRETE & MASONRY PRIMER LX02W50	LOXON SELF-CLEANING ACRYLIC SATIN, LX14 SERIES
SEMI-GLOSS/GLOSS (Gloss Level 5)	PAINTED WOOD	EXTERIOR WOOD PRIMER Y24W0620	PRO INDUSTRIAL WB ALKYD URETHANE SEMI-GLOSS B53-1150 SERIES
	METAL-FERROUS & GALVANIZED	PRO INDUSTRIAL PRO-CRYL PRIMER B66-1300 SERIES	PRO INDUSTRIAL WB ALKYD URETHANE SEMI-GLOSS, B53-1150 SERIES
GLOSS	CONCRETE, STUCCO, EIFS, CEMENT BOARD SIDING	LOXON CONCRETE & MASONRY PRIMER LX02W50	LATTITUDE EXTERIOR ACRYLIC GLOSS, K94-650 SERIES
	CONCRETE MASONRY UNITS (CMU)	PRO INDUSTRIAL HEAVY-DUTY BLOCK FILLER, B42W150	LATTITUDE EXTERIOR ACRYLIC GLOSS, K94-650 SERIES
GLOSS	CONCRETE WALKWAYS	H&C HEAVY SHIELD WATERBASED SOLID COLOR ENAMEL/STAIN	H&C HEAVY SHIELD WATERBASED SOLID COLOR ENAMEL/STAIN
	CONCRETE DRIVEWAYS	H&C HEAVY SHIELD WATERBASED SOLID COLOR ENAMEL/STAIN	H&C HEAVY SHIELD WATERBASED SOLID COLOR ENAMEL/STAIN
GLOSS	METAL-FERROUS & GALVANIZED (handrails or exposed structural)	PRO INDUSTRIAL PRO-CRYL PRIMER B66-1300 SERIES	PRO INDUSTRIAL PRE-CATALYZED WB URETHANE GLOSS, B66W1200 SERIES

WOOD Framing NOTES:

- ALL WOOD FLOOR TRUSSES, IF USED, SHALL BE DESIGNED BY A LICENSED CIVIL ENGINEER IN THE STATE OF LOUISIANA. DESIGN LOADS SHALL COMPLY WITH ALL INTERNATIONAL BUILDING CODE LIVE LOADS, DEAD LOADS, AND WIND LOADS FOR COASTAL LOCATIONS.
- ALL EXTERIOR NAILS, BOLTS, SCREWS, FINISH NAILS, ETC. SHALL BE HOT DIPPED GALVANIZED.
- ALL EXTERIOR PLYWOOD SHEATHING SHALL BE NAILED 4" O.C. AROUND PERIMETER AND 6" O.C. (HORIZONTALLY AND VERTICALLY) IN FIELD. ALL LAPS IN JOINTS SHALL RECEIVE WOOD BLOCKING FOR ANCHOR SPACING.
- ALL PLYWOOD SHALL BE "C-D" APA GRADE OR "OSB" AS NOTED.
- ALL TREATED WOOD LUMBER SHALL BE PRESSURE TREATED 0.25 CCA AT PLATES. ALL EXTERIOR DECK FRAMING AND DECKING SHALL BE 40 CCA.
- EXTERIOR WALL VAPOR RETARDERS SHALL BE EQUAL TO TYVEK HOUSE WRAP. INSTALL "FLEX-FLASHING" AT ALL DOOR AND WINDOW OPENINGS. INSTALL ALL WRAP AND FLASHINGS ACCORDING TO MANUFACTURER'S RECOMMENDATIONS AND SPECIFICATIONS. INSTALL PLASTIC RING FASTENERS FOR ALL WRAP INSTALLATION. TAPE ALL JOINTS AS REQUIRED BY MANUFACTURER'S RECOMMENDATIONS. INSTALL TYVEK STUCCO WRAP WHERE EXTERIOR STUCCO IS INSTALLED AND/OR SPECIFIED ON DRAWINGS. ALL ANCHOR BOLTS SHALL BE A307.
- ALL WOOD JOIST, STUDS, AND RAFTERS SHALL BE NO.2 SYP-KD VAPOR-KD VARIOUS GRADES. ALL LUMBER USED FOR WOOD BEAMS SHALL BE MSR, 2400F-2.0E. ALL LUMBER SHALL BE MARKED INDICATING GRADES.
- ALL HORIZONTAL METAL BRIDGING SHALL NOT EXCEED 8'-0".
- INSTALL MEMBRANE THROUGH WALLS AND HEAD FLASHINGS AT ALL WINDOW AND DOOR OPENINGS. ALL FLASHINGS SHALL BE 60 MIL RUBBERIZED MEMBRANES. NO PVC ALLOWED.
- INSTALL DRAFT STOPS AND FIRE STOPS PER LATEST CABO AND INTERNATIONAL BUILDING CODE REQUIREMENTS.
- ALL PLYWOOD FLOOR DECKING SHALL BE 3/4" TONGUE AND GROOVE PLYWOOD EQUAL TO GEORGIA-PACIFIC "STURDI-FLOOR PREMIUM SOUTHERN GOLD". ALL PLYWOOD SHALL BE GLUED AND NAILED TO ALL WOOD FLOOR JOIST.
- ALL WINDOW AND DOOR OPENINGS ON EXTERIOR WALLS THAT ARE 6'-0" OR LESS SHALL BE 2-2X12 WITH 3/4" PLYWOOD GUSSET, GLUED AND NAILED ON THE GROUND FLOOR AND 2-2X10 WITH PLYWOOD GUSSET ON THE SECOND FLOOR.
- INSTALL ALL WOOD BRIDGING AND STRONGBACKS FOR WOOD TRUSSES AS RECOMMENDED BY THE TRUSS MANUFACTURER.
- ALL EXTERIOR FASTENERS SHALL BE HOT DIPPED GALVANIZED. ALL HIGH WIND ANCHORS AND TIES IN CONTACT WITH TREATED WOOD SHALL BE EQUAL TO TRIPLE ZINC "Z-MAX" BY SIMPSON STRONG TIE.
- ALL FASTENER CONNECTIONS SHALL COMPLY WITH LATEST IBC REQUIREMENTS. INSTALL WALL DRAFT STOPS AND FIRE STOPS ACCORDING TO LATEST INTERNATIONAL BUILDING CODE REQUIREMENTS.
- ALL LVL LUMBER AND/OR "GLULAMS" SHALL BE INSTALLED ACCORDING TO MANUFACTURER'S RECOMMENDATIONS AND SPECIFICATIONS. ALL LVL LUMBER SHALL BE 2,400, 2.0E.
- FLOOR TRUSS IS BASED UPON THOSE MANUFACTURED BY "TRIM JOIST" CORPORATION, 5146 HWY. 182, COLUMBUS, MS. (662) 327-7950. MANUFACTURER SHALL PROVIDE ALL SHOP DRAWINGS AND RECOMMENDATIONS FOR INSTALLATION FOR REVIEW AND APPROVAL BY ARCHITECT PRIOR TO WORK.
- ALL EXTERIOR WALL TREATED BASE PLATES SHALL BE ANCHORED TO CONCRETE FOUNDATIONS WITH MIN. 5/8" DIA. BOLTS WITH MIN. EMBEDMENT OF 8". ANCHOR BOLTS SHALL BE SPACED MINIMUM 1'-6" WITH 3"x3"x1/8" STEEL PLATE WASHER. EXTERIOR ANCHORS SHALL BE MIN. 12" FROM EDGE OF PLATES.
- INSTALL SIMPSON MODEL PHD3 PRE-DEFLECTED HOLD-DOWNS WITH 5/8" ANCHORS AT ALL EXTERIOR GROUND FLOOR EXTERIOR CORNERS AND AT ALL WALL OPENINGS EXCEEDING 4'-0". SECOND FLOOR EXTERIOR CORNER HOLD-DOWNS SHALL BE EQUAL TO SIMPSON MODEL HDSA, WITH HOLD-DOWNS ON CORNER POST ON SECOND FLOOR AND TOP OF GROUND FLOOR WALL.
- GARAGE DOOR SIDEWALL OPENINGS SHALL BE EQUAL TO SIMPSON STRONG-TIE SHEAR WALLS OR EQUAL FILED FABRICATED UNITS.
- ALL WOOD FRAMING, FABRICATION, AND ERECTION SHALL CONFORM TO THE NATIONAL DESIGN SPECIFICATION FOR WOOD CONSTRUCTION BY THE NFA, PLYWOOD DESIGN SPECIFICATIONS BY THE APA, STANDARDS SET FORTH BY THE AMERICAN INSTITUTE OF TIMBER CONSTRUCTION, PRESSURE TREATED WOOD REQUIREMENTS BY AWPA, AND MEET OR EXCEED LOCAL BUILDING CODES.
- ALL FRAMING LUMBER TO BE SOUTHERN YELLOW PINE NO.2 GRADE 19% MAXIMUM MOISTURE CONTENT. ALL LUMBER IN CONTACT WITH CONCRETE, MASONRY ELEMENTS, OR EXPOSED TO WEATHER TO BE TREATED, COORDINATE FRAMING WITH OTHER TRADES. (ELECTRICAL, PLUMBING, MECHANICAL, ETC.)
- BLOCK ALL WALLS OVER 8' IN HEIGHT. 1 1/2" X 24 GA GALVANIZED IRON STRAPS TO BE INSTALLED OVER ALL CUTOUPS IN STUDS FOR PLUMBING, ELECT, ETC.
- FLOOR, ATTIC, AND ROOF FRAMING SHALL BE SIZED ACCORDING TO REQUIREMENTS NOT TO EXCEED MAXIMUM SPANS. PROVIDE BRIDGING WHERE SHOWN OR WHEN JOISTS EXCEED 8' SPAN. PROVIDE DOUBLE FLOOR JOIST UNDER LOAD BEARING WALLS OR BEAM IF REQUIRED. INSTALL THREE (3) STUDS UNDER EACH BEARING POINT OF BEAM. STUDS TO BE FASTENED TOGETHER WITH 16D NAILS AT 12" OC AND WITHIN 3" OF EACH END OF STUDS. ENSURE TIGHT FIT TOP & BOTTOM. IF HOLES ARE TO BE BORED THROUGH HORIZONTAL MEMBERS, HOLE DIAMETER NOT TO EXCEED 1/3 OF JOIST'S DEPTH CLEAR FROM TOP OR BOTTOM. NOTCHES IN TOP OR BOTTOM OF JOISTS NOT TO EXCEED 1/6 THE DEPTH AND SHALL NOT BE LOCATED IN THE MIDDLE 1/3 OF THE SPAN.
- JOIST AND BEAM HANGERS TO BE 16GA OR LARGER, AS MANUFACTURED BY SIMPSON STRONG TIES CO. INSTALL IN STRICT ACCORDANCE WITH THE MANUFACTURER'S SPECIFICATIONS. IF JOIST ARE TO BE NOTCHED AT ENDS, DO NOT EXCEED 1/4 DEPTH. HANGER SIZE TO MATCH MEMBER SIZE.
- PROVIDE 1X6 COLLAR BRACING EVERY OTHER PAIR OF RAFTERS IN UPPER THIRD OF ROOF HEIGHT.
- ROOF SHEATHING TO BE APA RATED, 5/8" EXPOSURE 1 C-D SHEATHING GRADE PLYWOOD FASTEN TO RAFTERS WITH 8D COMMON NAILS @ 6" OC AT PANEL EDGES AND 6" OC AT INTERMEDIATE RAFTERS. PROVIDE CLIPS AT ALL UNSUPPORTED EDGES.
- CRAWL SPACE VENTILATION TO BE IN ACCORDANCE WITH STANDARD BUILDING CODE.
- HEADER SIZES:
ONE STORY: UP TO 7' OPENING - 2 - 2X10'S
8' OPENING - 2 - 2X12'S

TWO STORY: 5' OPENING - 2 - 2X10'S
6' OPENING - 2 - 2X12'S
OPENING GREATER THAN 6' - SEE PLAN

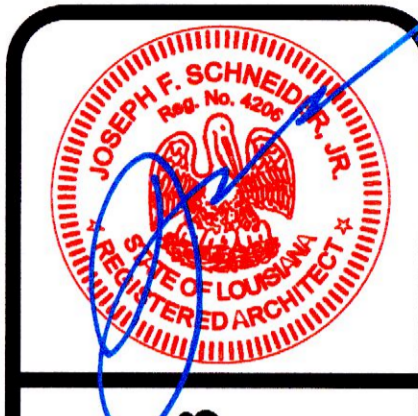
SECOND FLOOR NON-LOAD BEARING WALLS: UP TO 3' OPENING - 2 - 2X5'S
- (2) HEADER STUDS REQUIRED FOR OPENINGS OVER 6'
- (2) FULL LENGTH STUDS REQUIRED FOR OPENINGS UP TO 6'
- (3) FULL LENGTH STUDS REQUIRED FOR OPENING OVER 6'
SEE PLAN FOR GARAGE HEADER SIZE
- TOP PLATE SHALL SLICE WITHIN THE CENTER THIRD OF WALL SECTION. SPLICE TO HAVE A MIN. LAP OF 48" AND CONNECTED WITH 16D NAILS @ 3" OC.
- STAIRS SHALL HAVE A MIN. OF THREE STRINGERS FOR 36" AND ONE ADDITIONAL STRINGER FOR EACH ADDITIONAL 8" OR THREAD WIDTH. MAXIMUM UNSUPPORTED STRINGER LENGTH TO BE 6'-0".
- SOFFIT OF SILLS ALONG EXTERIOR AND PORCHES SHALL BE P.T. 2X DEADWOOD BETWEEN COLUMNS.
- ALL SILL BEAMS ALONG EXTERIOR AND PORCHES SHALL HAVE P.T. PLYWOOD EXTENDING BELOW SOFFIT OR SILL.
- IT IS INTENDED THAT THE PRESSURE TREATED SHEATHING BE FULLY INSTALLED UNTREATED LUMBER OF THE MAIN HOUSE PRIOR TO PORCH CONSTRUCTION.
- ALL QUANTITY OF JACK STUDS AND FULL HEIGHT STUDS FOR EXTERIOR WALL, BOTH LOAD BEARING AND NON-LOAD BEARING, INTERIOR WALL BOTH LOAD BEARING AND NON-LOAD BEARING SHALL COMPLY WITH WOOD FRAME CONSTRUCTION MANUAL "WFCM"-2012.
- ALL FLOOR SHEATHING SHALL BE EQUAL TO HUBER ENGINEERED WOOD "ADVANTECH", G.P. "STURDI-FLOOR", "EDGE GOLD" BY WEYERHAEUSER, OR "TOP NOTCH "P-HP" BY LOUISIANA PACIFIC.
- WALL SHEATHING EQUAL TO HUBER "ADVANTECH" 5/8" THICK WERE INSTALLED BEHIND STUCCO- SHALL BE TREATED.

SOIL TREATMENT

- QUALITY ASSURANCE**
 - A. APPLICATOR SHALL BE EXPERIENCED IN THIS FIELD AND BE LICENSED, REGISTERED AND BONDED PER STATE OF LOUISIANA REQUIREMENTS AND MEET THE APPROVAL OF THE ARCHITECT PRIOR TO COMMENCING WORK.
- GUARANTEE**
 - A. UPON COMPLETION OF SOIL TREATMENT AND AS CONDITION OF FINAL ACCEPTANCE, FURNISH THE OWNER A WRITTEN ONE (1) YEAR BONDED GUARANTEE.
 - B. GUARANTEE SHALL STATE THAT THE APPLICATION WAS MADE AT THE CONCENTRATION RATES AND METHODS TO COMPLY WITH THESE SPECIFICATIONS.
 - C. THE EFFECTIVENESS OF THE GUARANTEED FOR NOT LESS THAN ONE (1) YEAR WITHOUT COST TO THE OWNER AND AT THE END OF SAID PERIOD, THE OWNER SHALL BE OFFERED A RENEWABLE CONTRACT ON A YEARLY BASES AT THE OWNER'S OPTION AND ON AN AGREED UPON ANNUAL FEE.
 - D. RE-TREATMENT UPON EVIDENCE OF SUBTERRANEAN TERMITE ACTIVITY SHALL BE AT NO COST TO THE OWNER AND IN ACCORDANCE WITH ACCEPTABLE TRADE PRACTICES.
 - E. DAMAGE TO THE BUILDING CAUSED BY TERMITES MUST BE CORRECTED WITHOUT COST TO THE OWNER AND IN ACCORDANCE WITH ACCEPTABLE TRADE PRACTICES.
 - F. THE GUARANTEE IS NOT CANCELABLE BY ANY PARTY OF THE CONTRACT, EXCEPT THE OWNER.
 - G. DRAW THE GUARANTEE IN FAVOR OF THE OWNER AND SUBMIT A SAMPLE FORM TO THE ARCHITECT FOR APPROVAL BEFORE BEGINNING WORK.
- TIME OF APPLICATION**
 - A. DO NOT BEGIN TREATMENT UNTIL ALL PREPARATIONS FOR SLAB PLACEMENT HAVE BEEN COMPLETED.
 - B. TREATMENT SHALL BE COMPLETED PRIOR TO THE PLACEMENT OF VAPOR BARRIER AND REINFORCING STEEL AND MESH.
 - C. DO NOT APPLY TREATMENT WHEN SURFACE WATER IS PRESENT ON SURFACES TO RECEIVE TREATMENT.
- LOCATION**
 - A. APPLY SOIL TREATMENT TO ALL AREAS BENEATH CONCRETE FLOOR SLABS ON GRADE OR FILL, AND ALONG THE INTERIOR SIDE OF ALL FOUNDATION WALLS AND GRADE BEAMS.
 - B. WHERE THE EXTERIOR WALL OF THE FOUNDATION IS ABUTTED BY OTHER CONCRETE SLABS OR SURFACES, TREAT THE EXTERIOR SIDE OF THE FOUNDATION WALLS AND GRADE BEAMS AS SPECIFIED FOR INTERIOR SIDE OF SUCH WALLS.
- RATE OF APPLICATION**
 - A. APPLY SOLUTIONS AS REGULATED BY THE ENVIRONMENTAL PROTECTION AGENCY AND ANY AND ALL REGULATORY AGENCIES.
- RE-TREATMENT**
 - A. ALL CHEMICALS USED IN ANY RE-TREATMENT MUST BE PREVIOUSLY CERTIFIED AS TO TYPE OF CHEMICAL AND RATE ON CONCENTRATION.

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REVISIONS	BY



NEW FIRE FIRE STATION NO. 134 FOR ST. TAMMANY FIRE DISTRICT NO. 13
 425 LEEWARD LOOP ST. TAMMANY PARISH COVINGTON, LOUISIANA 70433

JOSEPH F. SCHNEIDER JR., AIA
 ARCHITECT
 L.A. #4206 MS #3020 AL #8724 FL #AR95908 TX #24294
 105 EVANGELINE DRIVE, SLADELL, LOUISIANA 70460
 (985) 290-6648 jfsarchitect@charter.net

DRAWN
H. SCHNEIDER
 CHECKED
J. SCHNEIDER
 DATE
10/20/2023
 SCALE
AS NOTED
 JOB NO.

SHEET
A-24
OF SHEETS

REVIEWED FOR STATE FIRE MARSHAL AS PER REVIEW LETTER BY WILLIAM D. JONES, ARCHITECT, CBO

TABLE 404.2.4.1
MANEUVERING CLEARANCES AT MANUAL SWING DOOR AND GATES

Approach Direction	Door or Gate Side	Minimum Maneuvering Clearance	
		Perpendicular to Doorway	Parallel to Doorway (beyond latch side unless noted)
From front	Pull	60 inches (1525 mm)	8 inches (455 mm)
From front	Push	48 inches (1220 mm)	0 inches (0 mm) ¹
From hinge side	Pull	60 inches (1525 mm)	36 inches (915 mm)
From hinge side	Pull	54 inches (1370 mm)	42 inches (1065 mm)
From hinge side	Push	42 inches (1065 mm) ²	22 inches (560 mm) ³
From latch side	Pull	48 inches (1220 mm) ⁴	24 inches (610 mm)
From latch side	Push	42 inches (1065 mm) ⁴	24 inches (610 mm)

1. Add 12 inches (305 mm) if closer and latch are provided.
2. Add 6 inches (150 mm) if closer and latch are provided.
3. Beyond hinge side.
4. Add 6 inches (150 mm) if closer is provided.

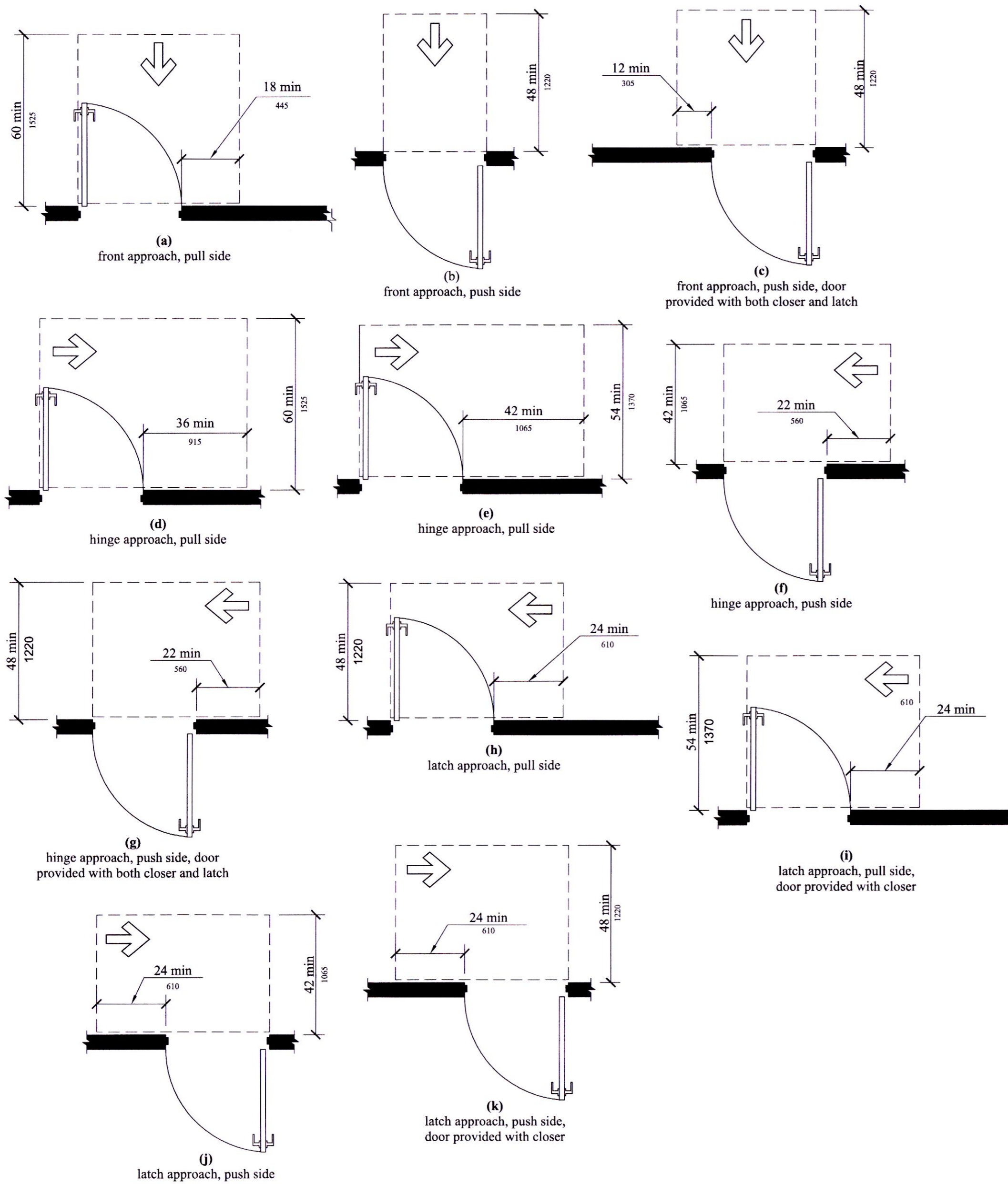


FIGURE 404.2.4.1
MANEUVERING CLEARANCES AT MANUAL SWING DOOR AND GATES

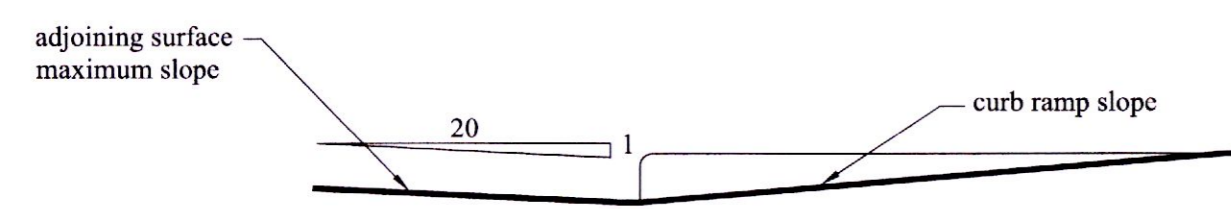


FIGURE 406.2
COUNTER SLOPE OF SURFACES ADJACENT TO CURB RAMPS

TABLE 404.2.4.2
MANEUVERING CLEARANCES AT DOORWAYS WITHOUT DOORS OR GATES, MANUAL SLIDING DOORS, AND MANUAL FOLDING DOORS

Approach Direction	Minimum Maneuvering Clearance	
	Perpendicular to Doorway	Parallel to Doorway (beyond stop/ latch side unless noted)
From Front	48 inches (1220 mm)	0 inches (0 mm)
From side ¹	42 inches (1065 mm)	0 inches (0 mm)
From pocket/hinge side	42 inches (1065 mm)	22 inches (560 mm) ²
From stop/latch side	42 inches (1065 mm)	24 inches (610 mm)

1. Doorway with no door only.
2. Beyond pocket/hinge side.

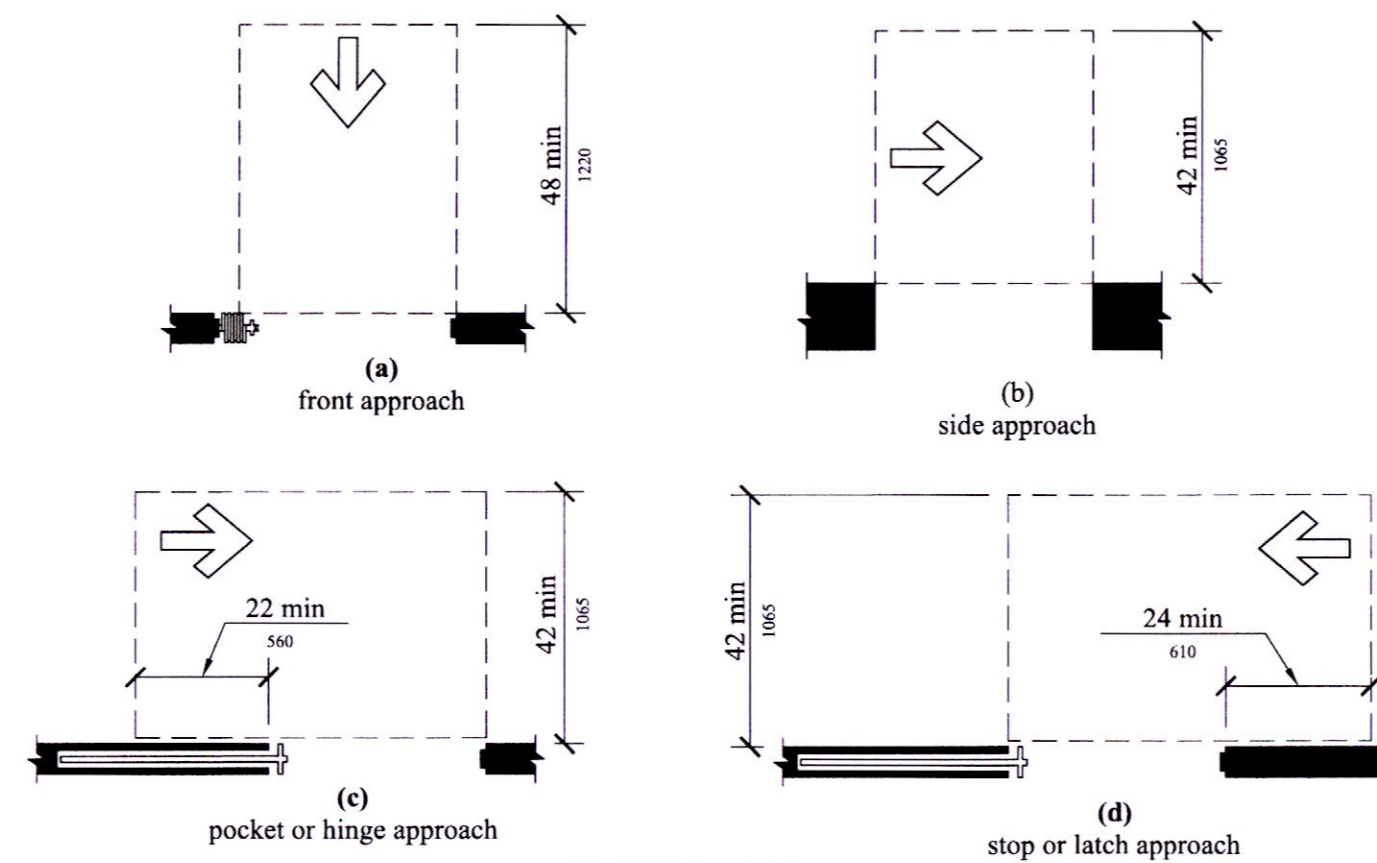


FIGURE 404.2.4.2
MANEUVERING CLEARANCES AT DOORWAYS WITHOUT DOOR, SLIDING DOORS, GATES, AND FOLDING DOORS

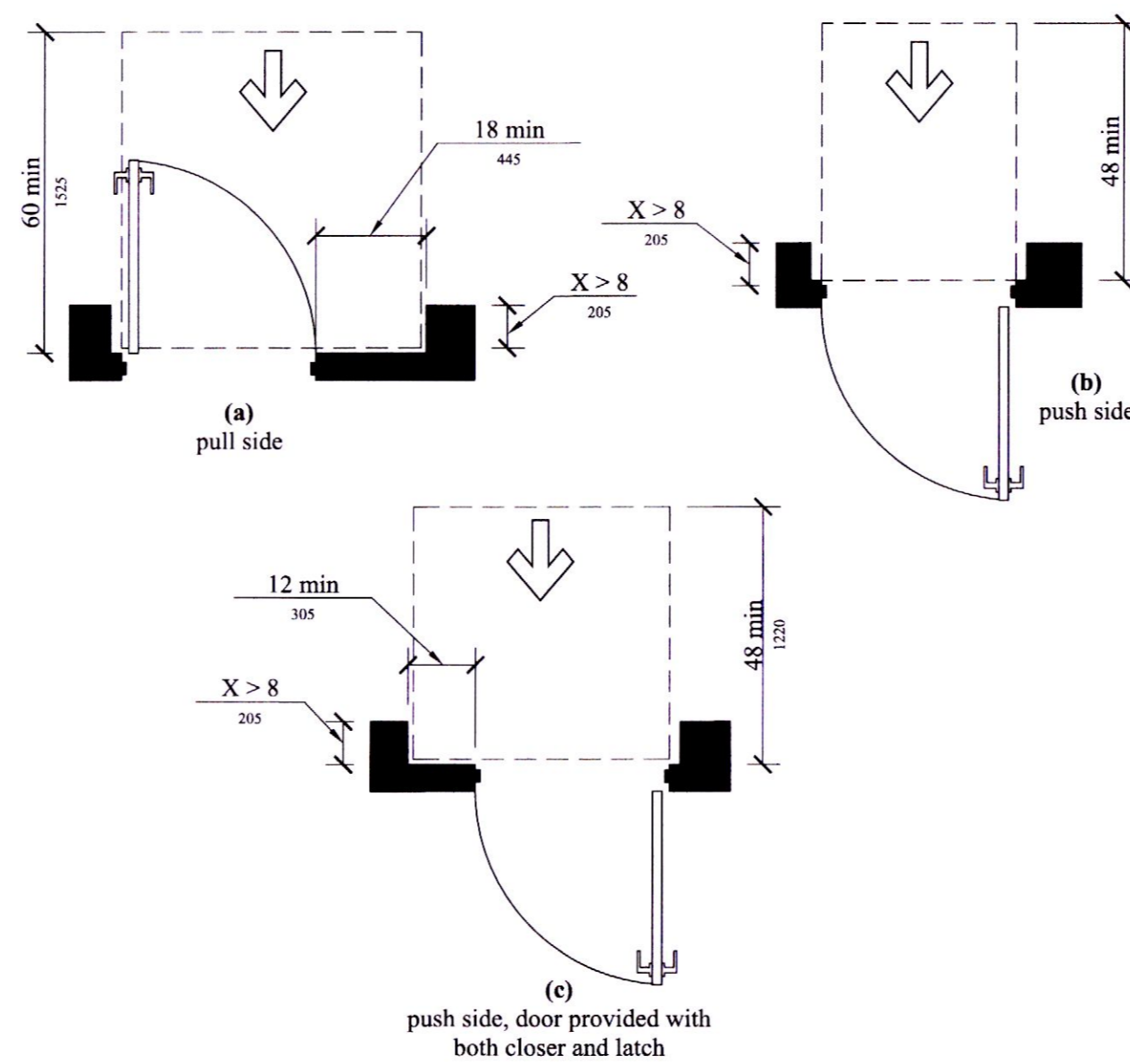


FIGURE 404.2.4.3
MANEUVERING CLEARANCES AT RECESSED DOOR AND GATES

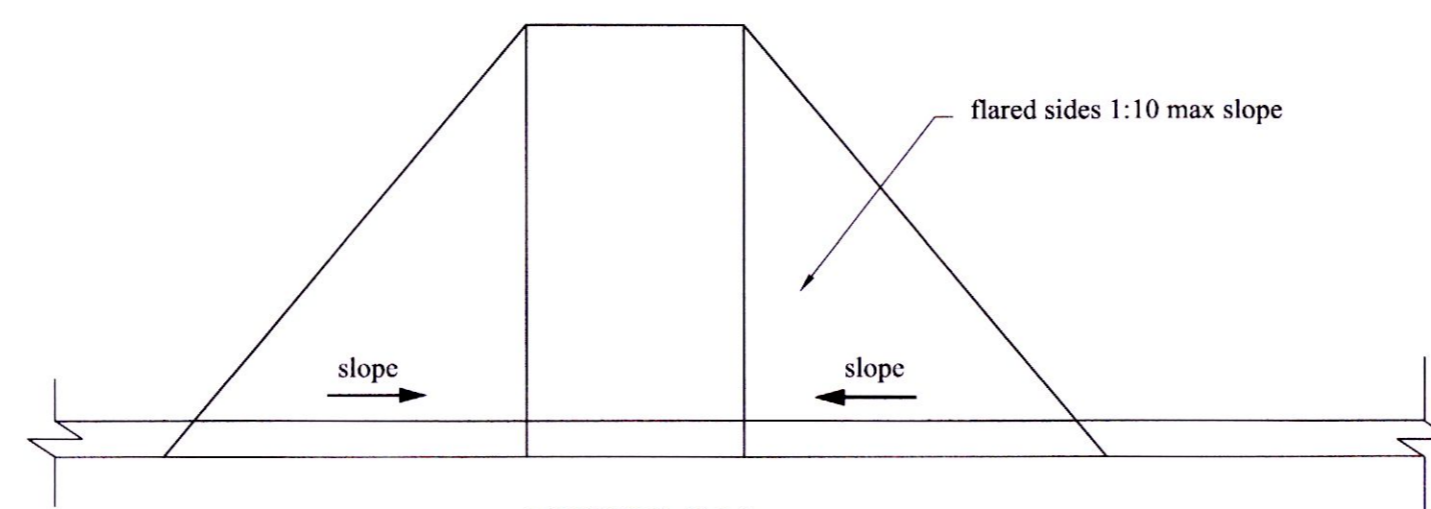


FIGURE 406.3
SIDES OF CURB RAMPS

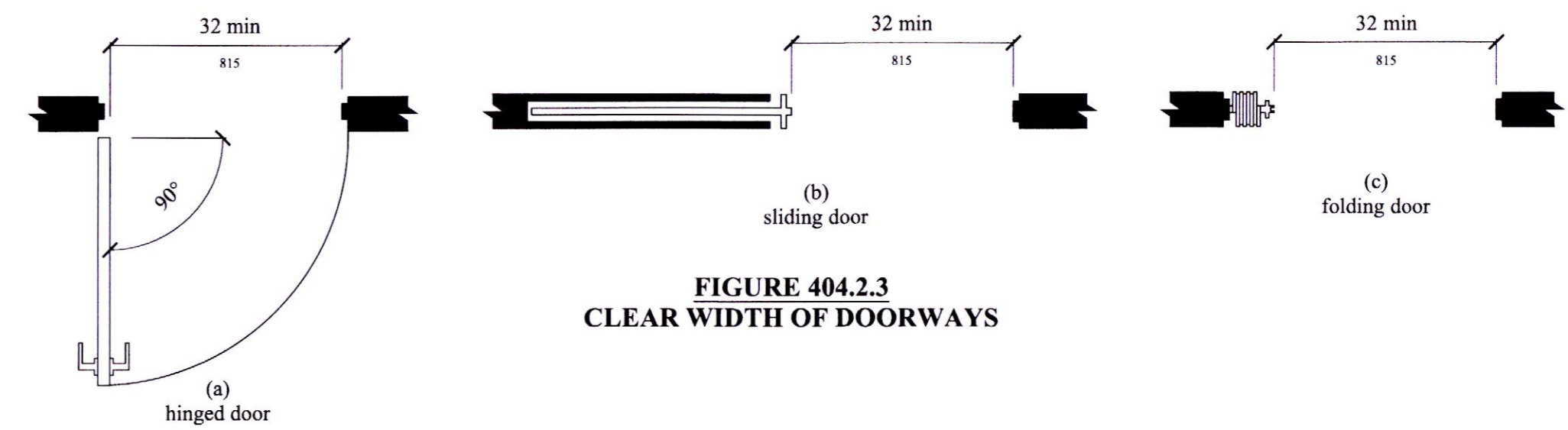


FIGURE 404.2.3
CLEAR WIDTH OF DOORWAYS

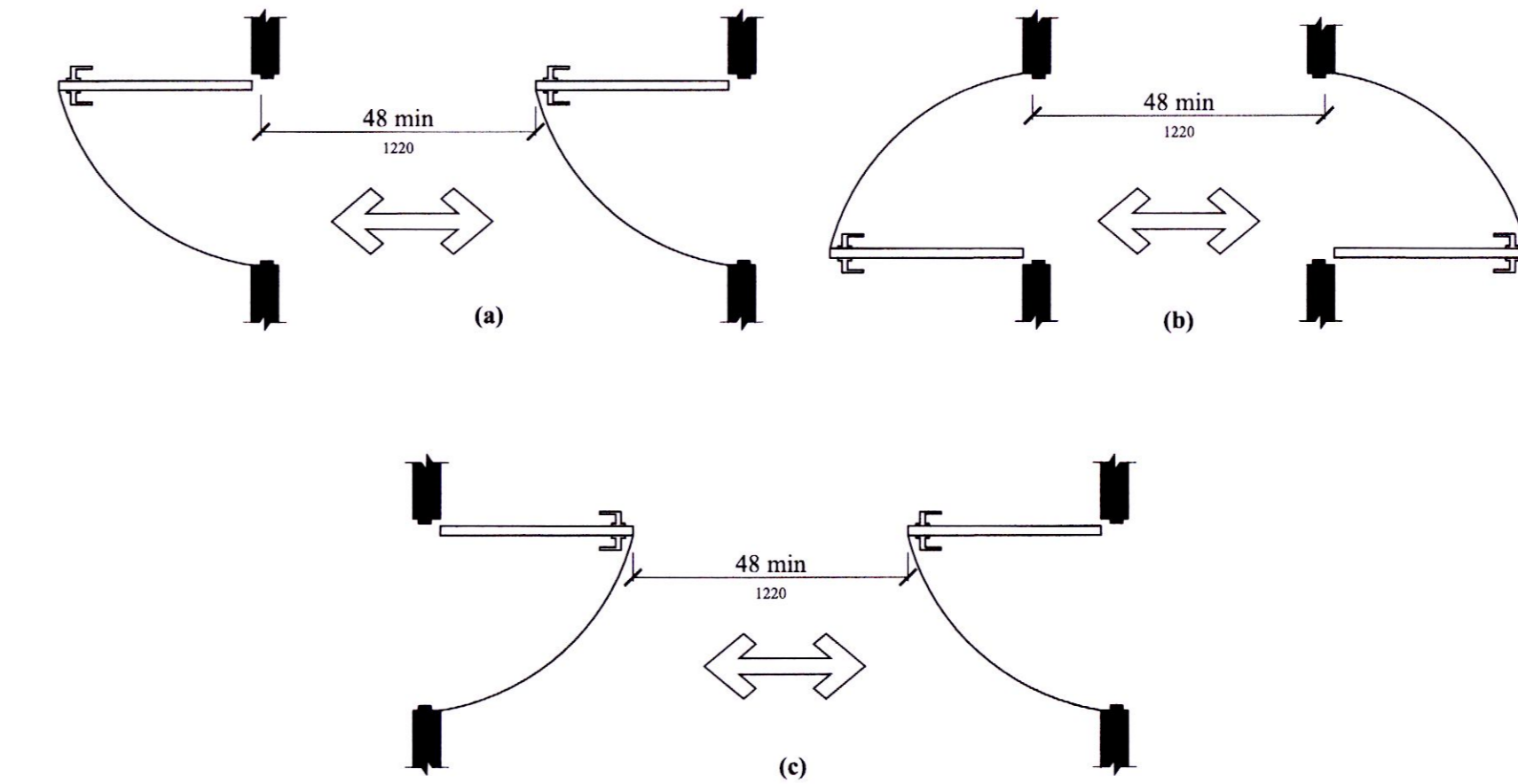


FIGURE 404.2.6
DOORS IN SERIES AND GATES IN SERIES

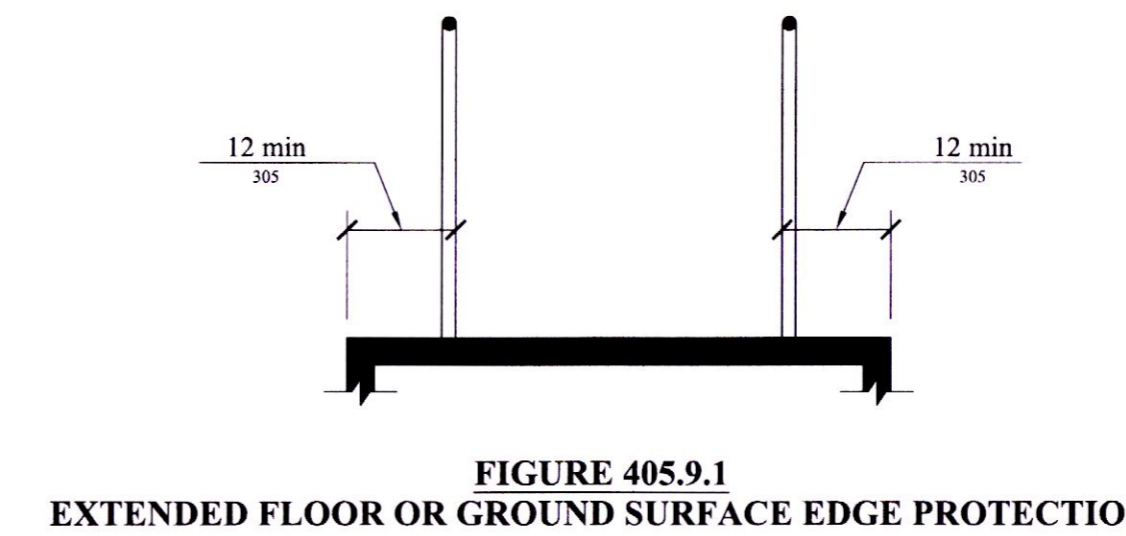


FIGURE 405.9.1
EXTENDED FLOOR OR GROUND SURFACE EDGE PROTECTION

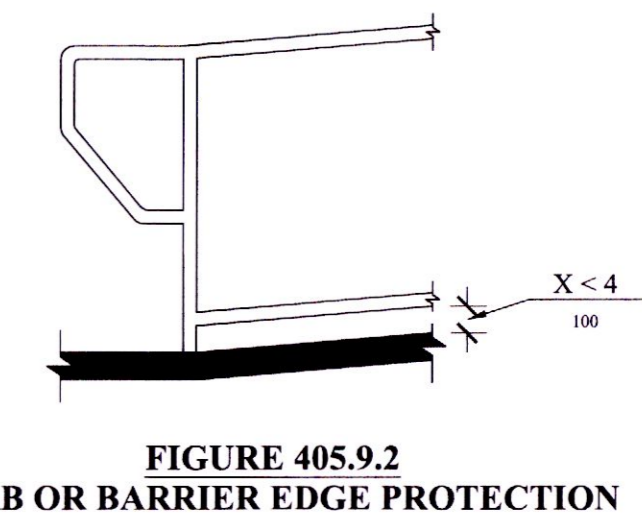


FIGURE 405.9.2
CURB OR BARRIER EDGE PROTECTION

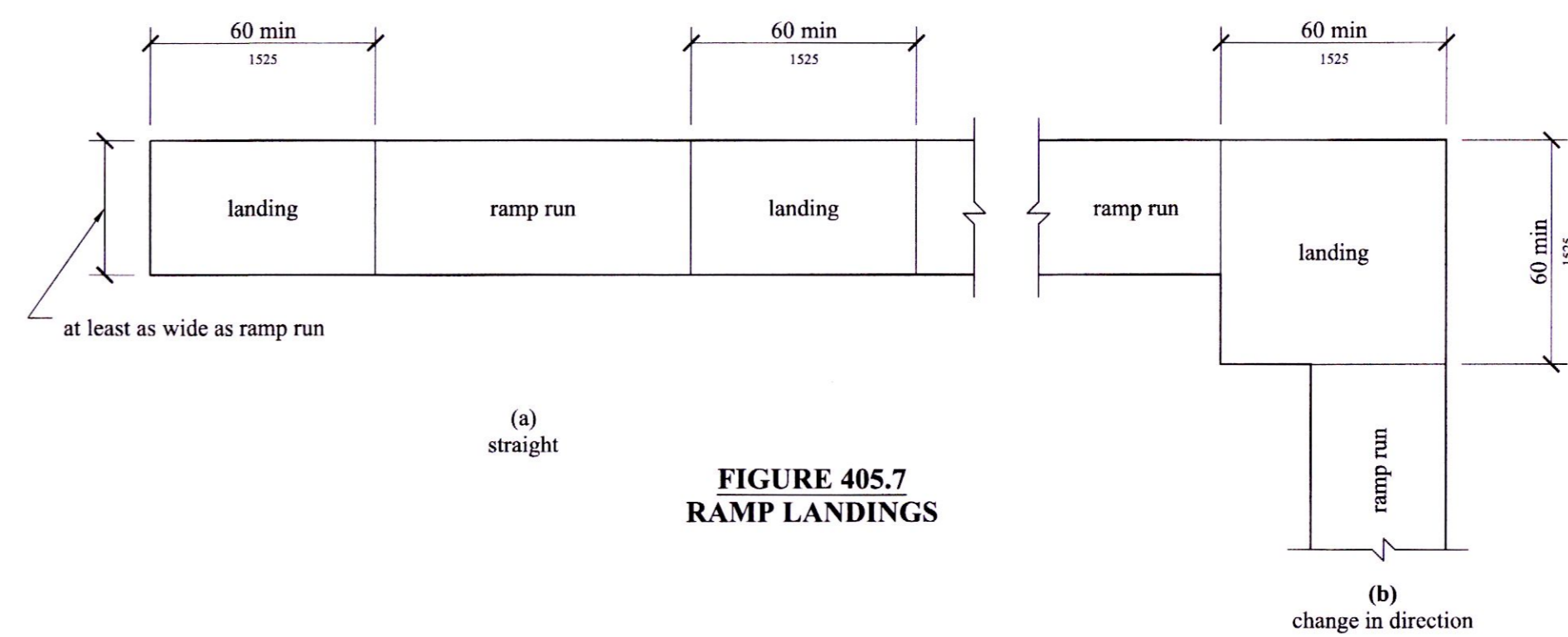


FIGURE 405.7
RAMP LANDINGS

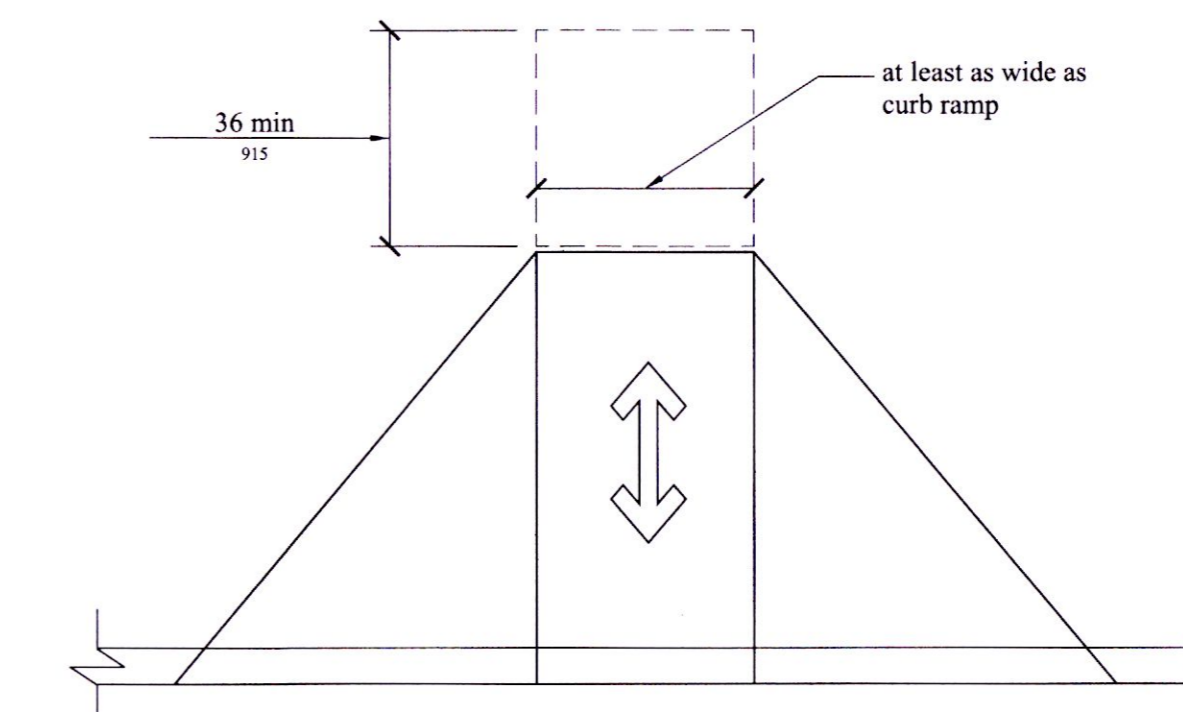


FIGURE 406.4
LANDINGS AT THE TOP OF CURB RAMPS

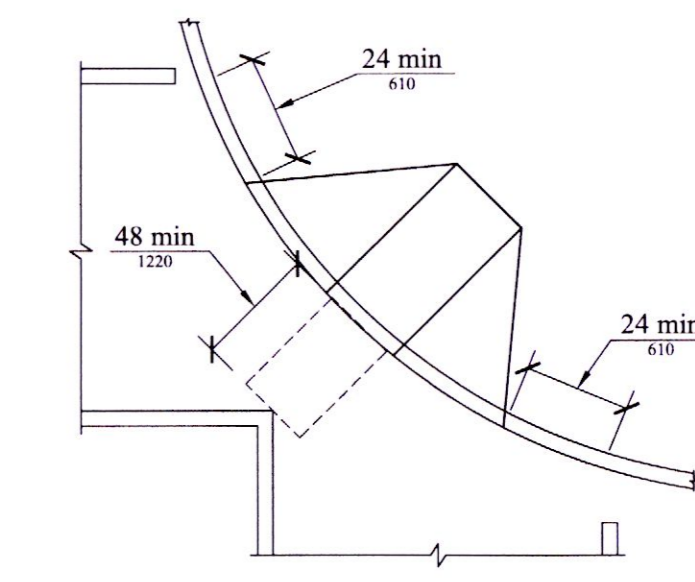


FIGURE 406.4
LANDINGS AT THE TOP OF CURB RAMPS

REVIEWED FOR
STATE FIRE MARSHAL
AS PER REVIEW LETTER
BY WILLIAM D. JONES, ARCHITECT, CBO
William D. Jones

REVISIONS	BY



TYPICAL ADA DETAILS

JOSEPH F. SCHNEIDER JR., AIA
ARCHITECT
LA #4206 MS #3020 AL #8724 FL #AR95908 TX #24294
105 EVANGELINE DRIVE, SLIDELL, LOUISIANA 70460
(985) 290-6648
jfsarchitect@charter.net

DRAWN
H. SCHNEIDER
CHECKED
J. SCHNEIDER
DATE
SCALE
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SHEET
ADA-2
OF SHEETS

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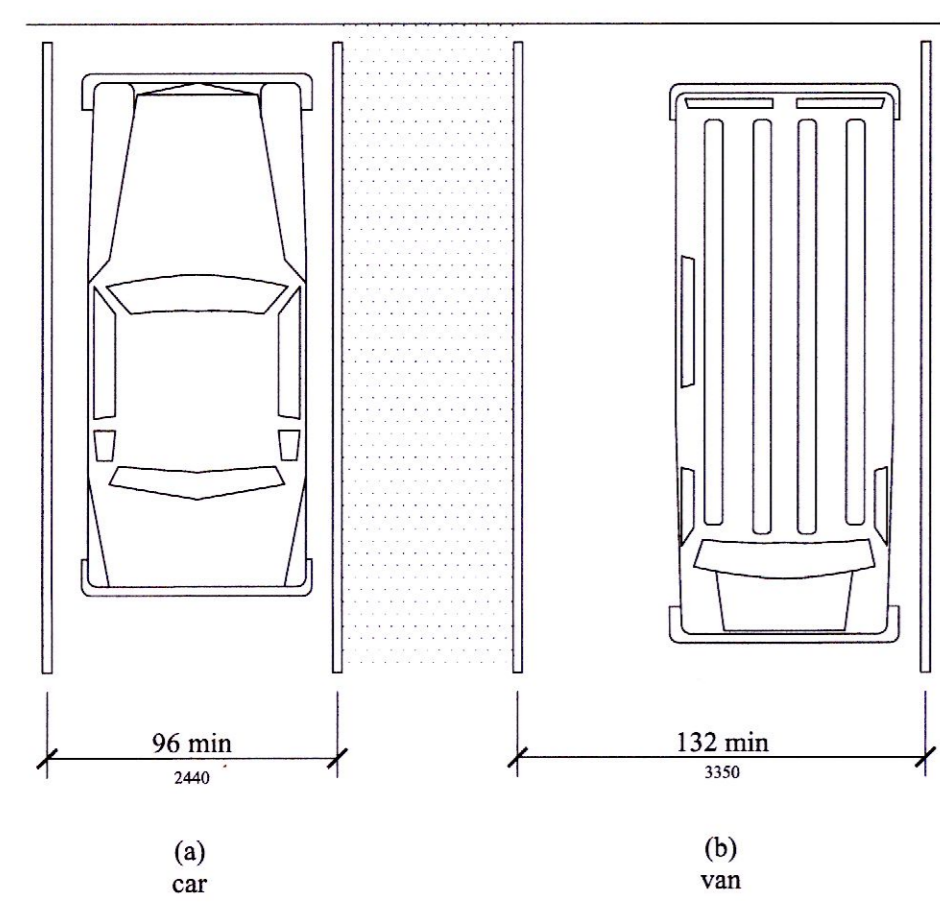


FIGURE 502.2
VEHICLE PARKING SPACES

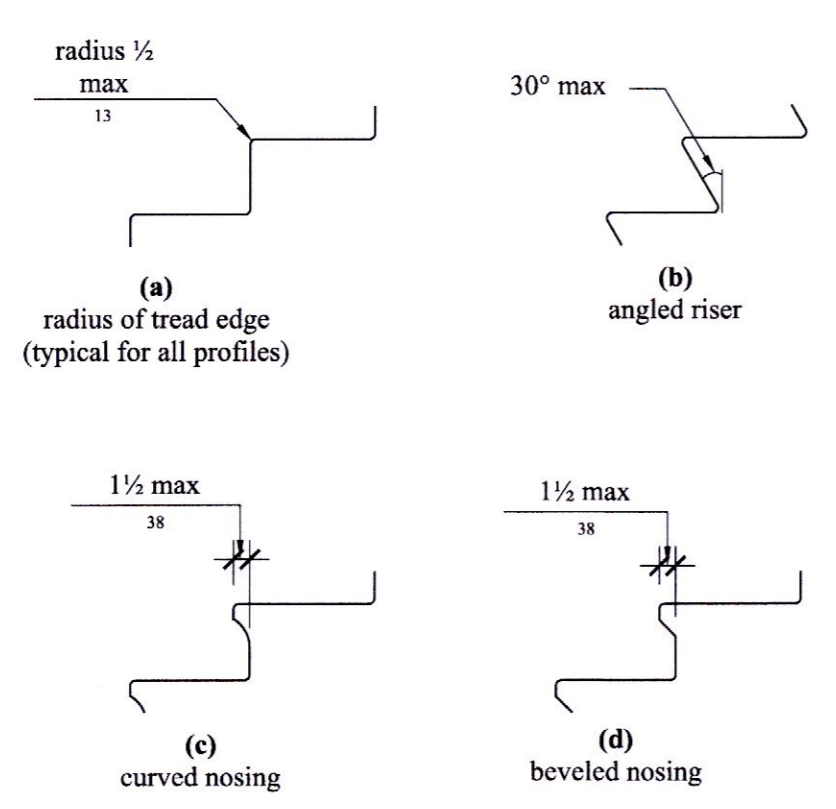


FIGURE 504.5
STAIR NOSING

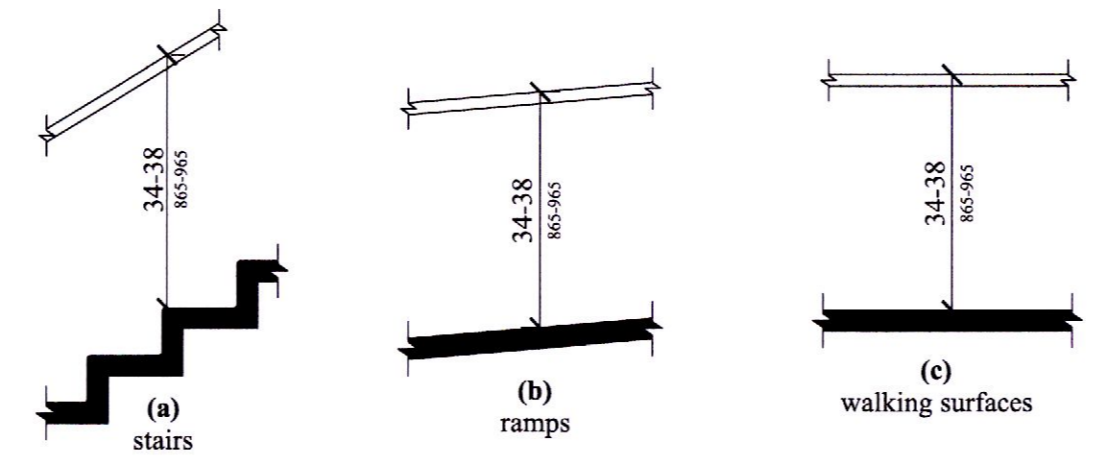


FIGURE 505.4
HANDRAIL HEIGHT

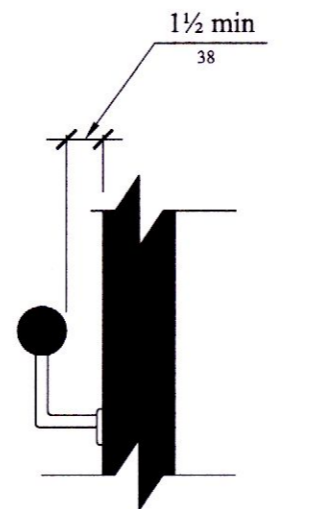


FIGURE 505.5
HANDRAIL CLEARANCE

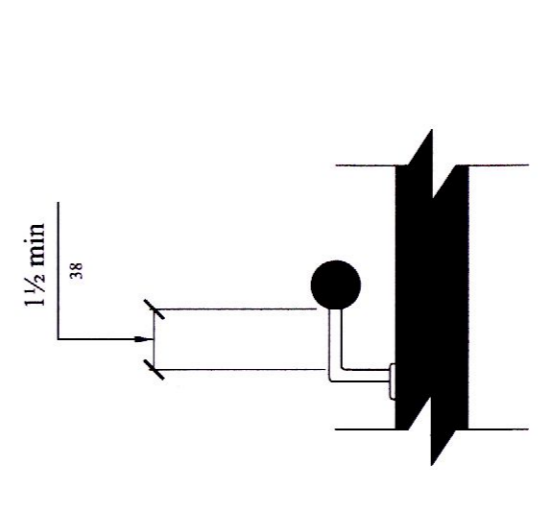


FIGURE 505.6
HORIZONTAL PROJECTIONS
BELOW GRIPPING SURFACE

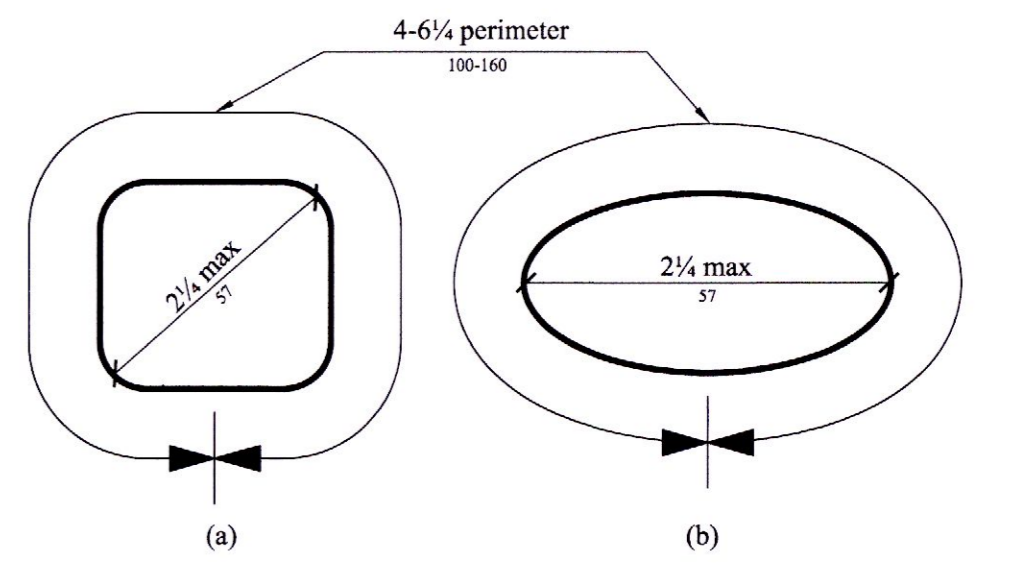


FIGURE 505.7.2
HANDRAIL NON-CIRCULAR CROSS SECTION

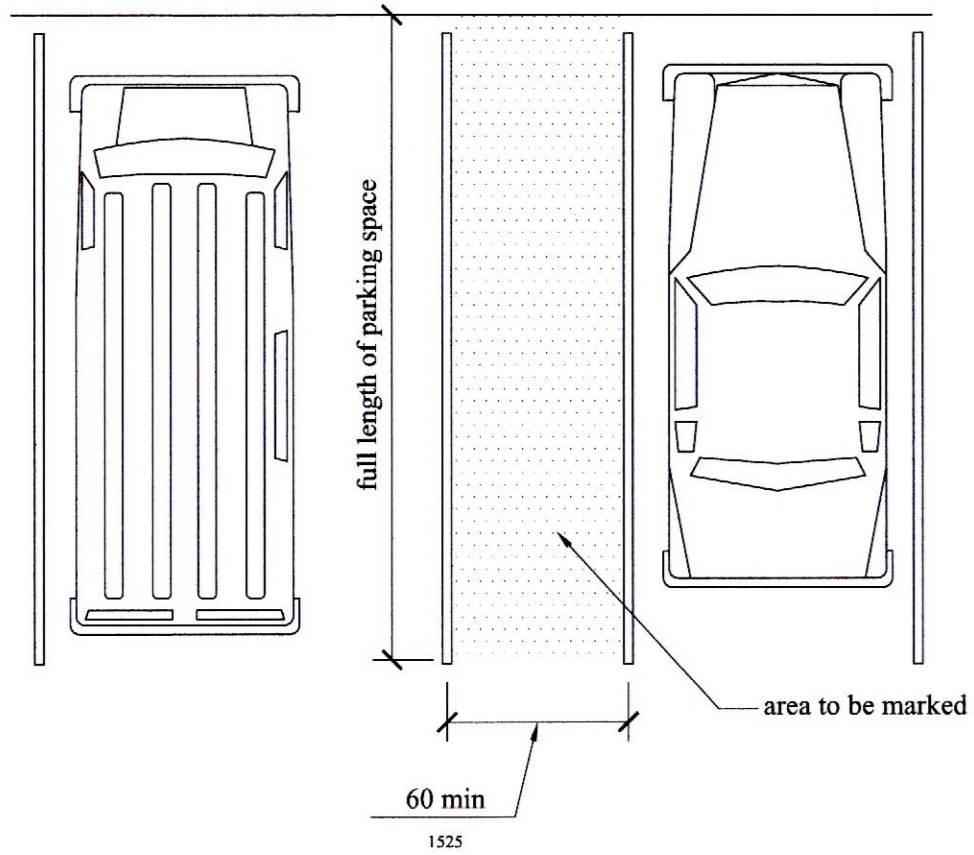


FIGURE 502.3
PARKING SPACE ACCESS AISLE

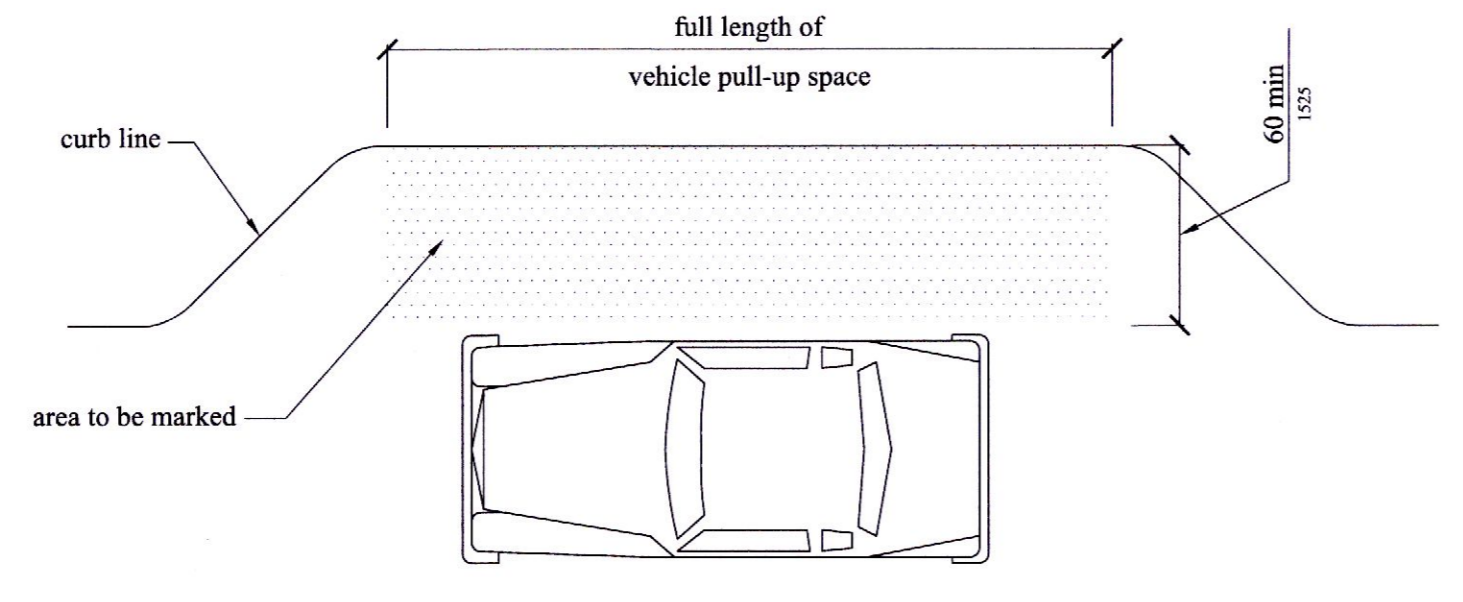


FIGURE 503.3
PASSENGER LOADING ZONE ACCESS AISLE

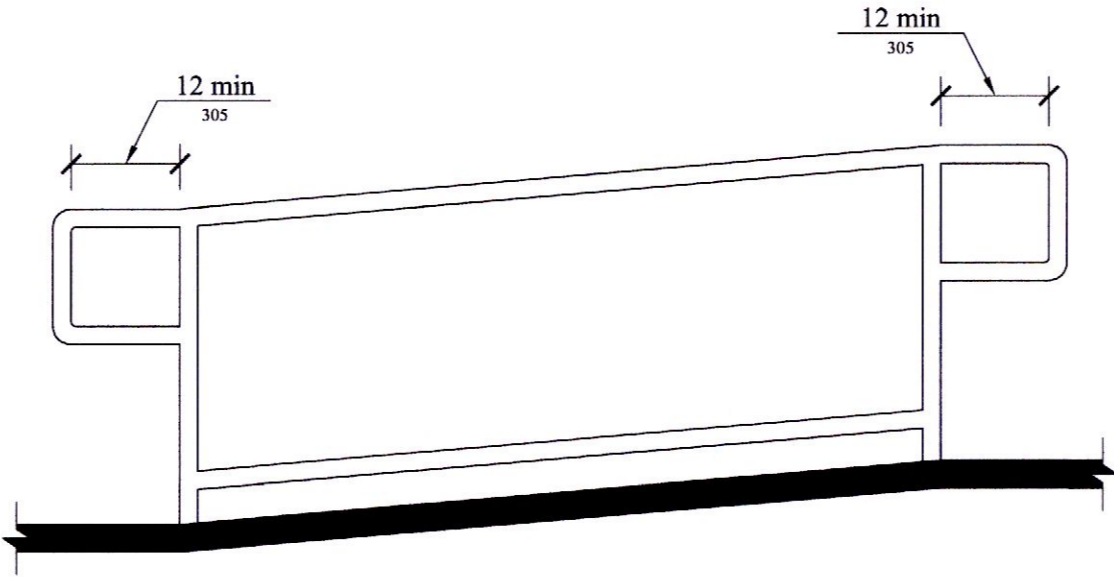


FIGURE 505.10.1
TOP AND BOTTOM HANDRAIL EXTENSION AT RAMP

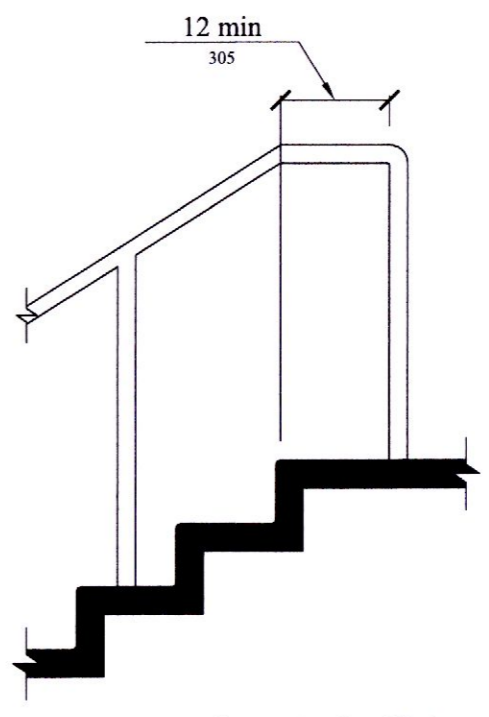


FIGURE 505.10.2
TOP HANDRAIL EXTENSION AT STAIRS

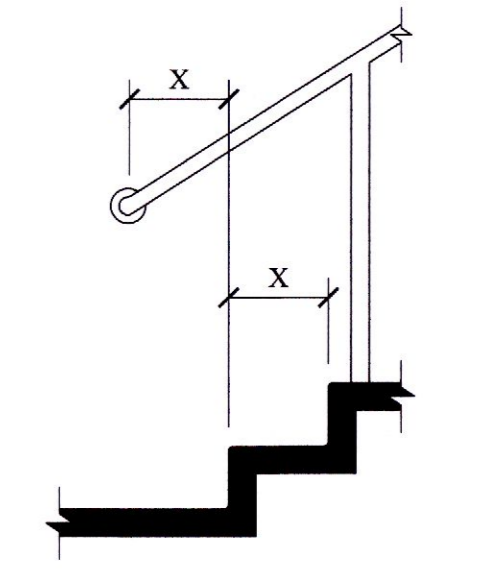
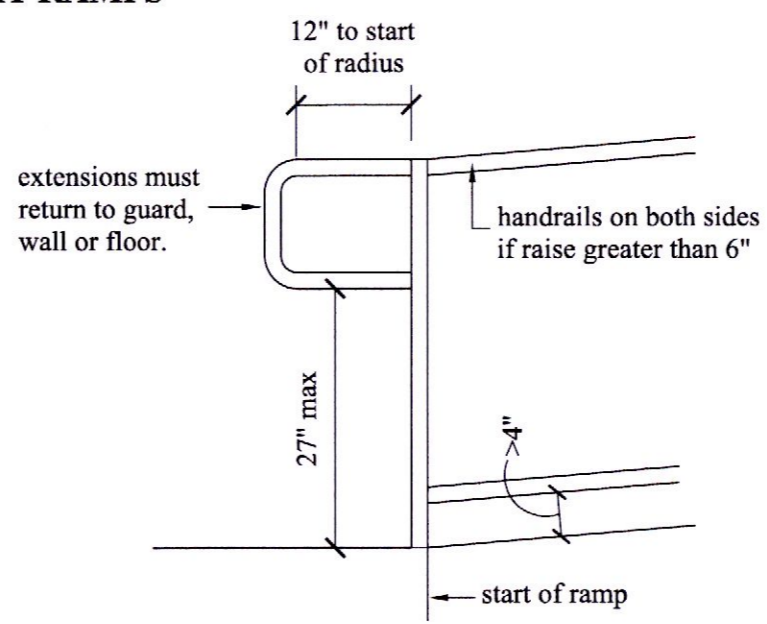


FIGURE 505.10.3
BOTTOM HANDRAIL EXTENSION AT STAIRS



HANDRAIL EXTENSION AT RAMP

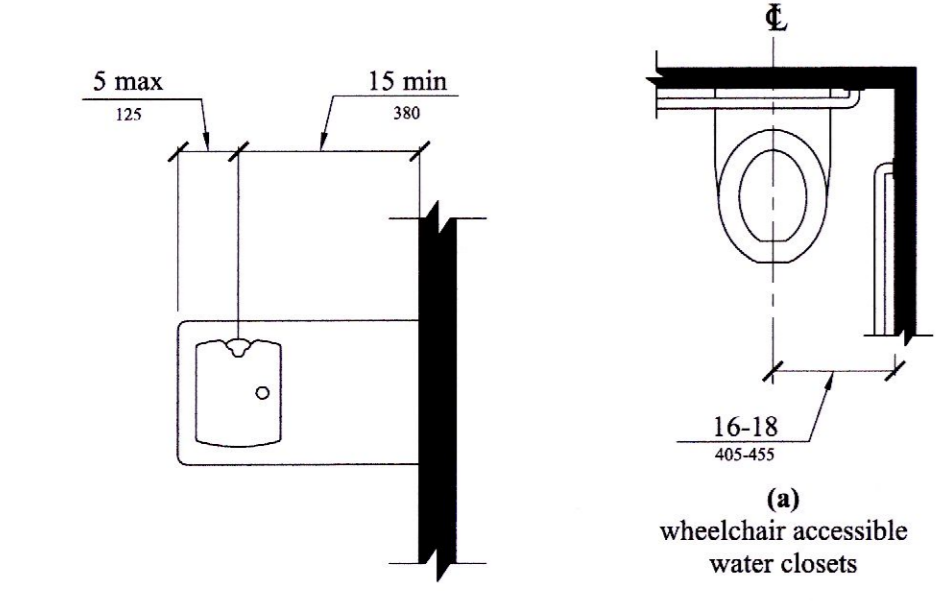


FIGURE 602.5
DRINKING FOUNTAIN
SPOUT LOCATION

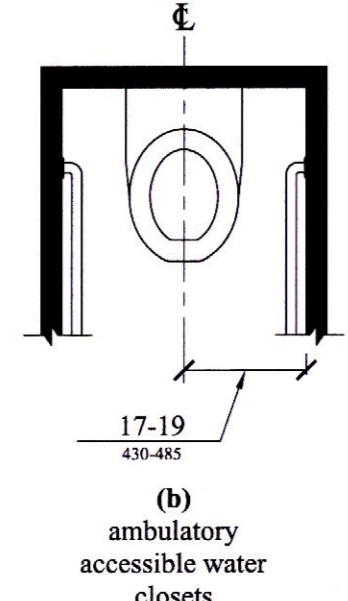


FIGURE 604.2
WATER CLOSET LOCATION

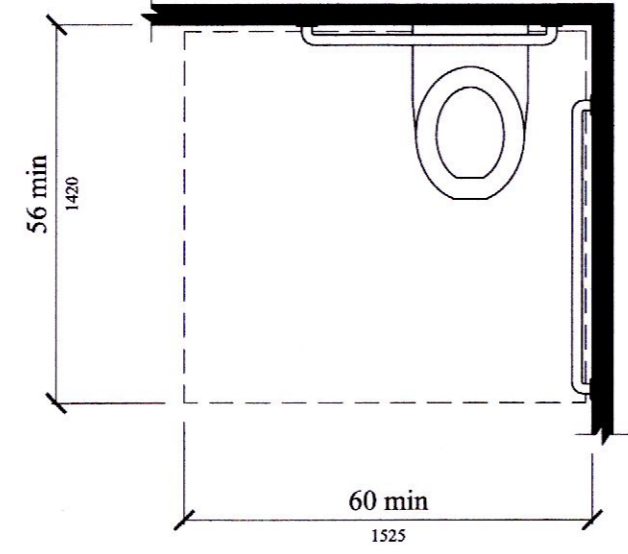


FIGURE 604.3.1
SIZE OF CLEARANCE
AT WATER CLOSETS

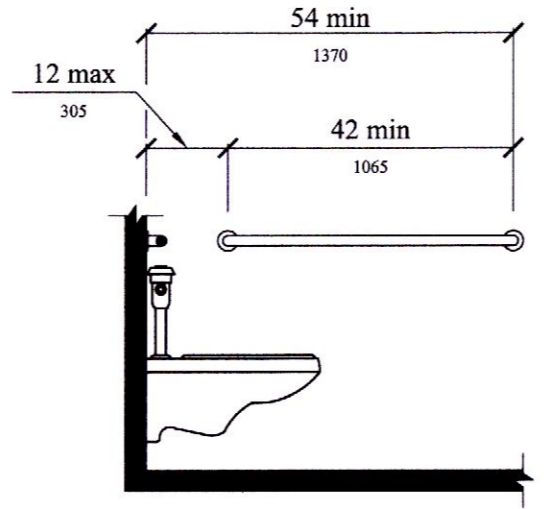


FIGURE 604.5.1
SIDE WALL GRAB BAR
AT WATER CLOSETS

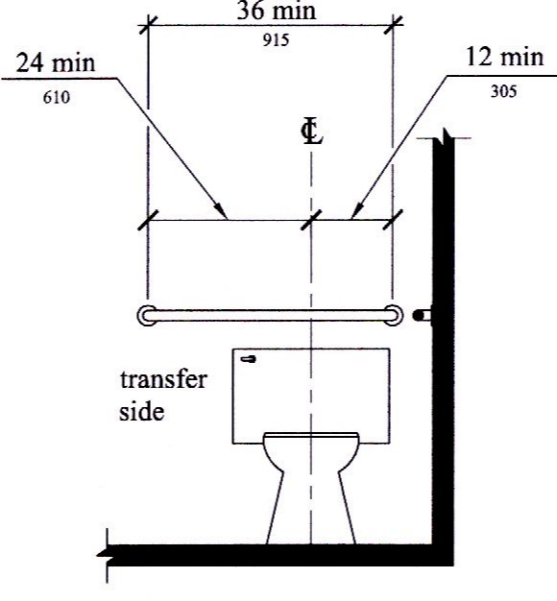


FIGURE 604.5.2
REAR WALL GRAB BAR
AT WATER CLOSETS

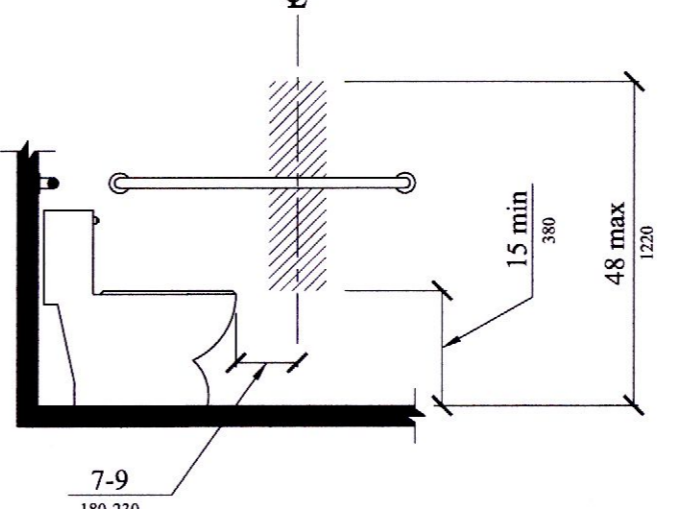


FIGURE 604.7
DISPENSER OUTLET LOCATION

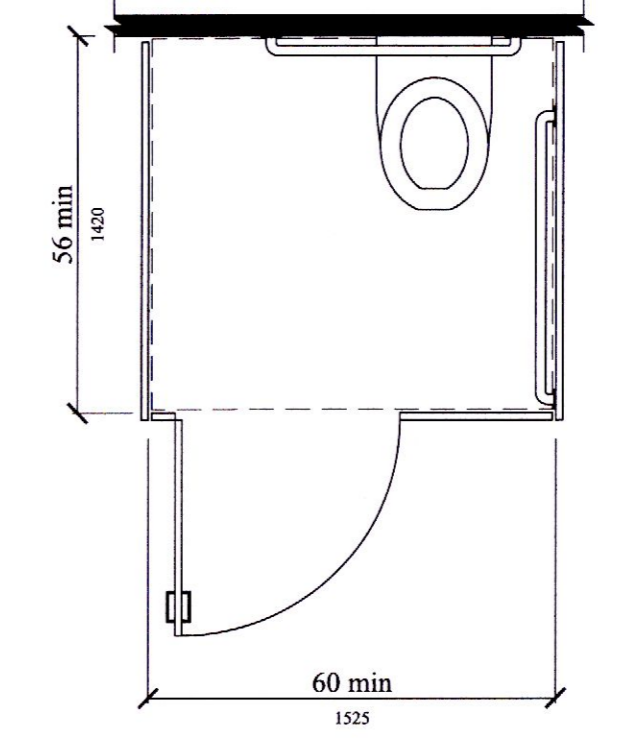


FIGURE 604.8.1.1
SIZE OF WHEELCHAIR ACCESSIBLE TOILET COMPARTMENT

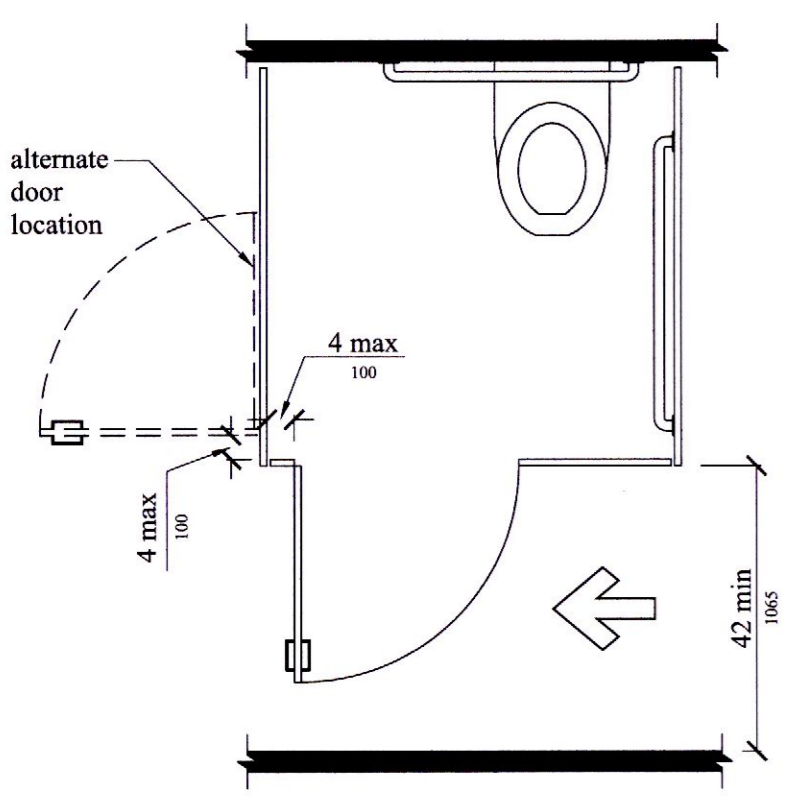


FIGURE 604.8.1.2
WHEELCHAIR ACCESSIBLE TOILET
COMPARTMENT DOORS

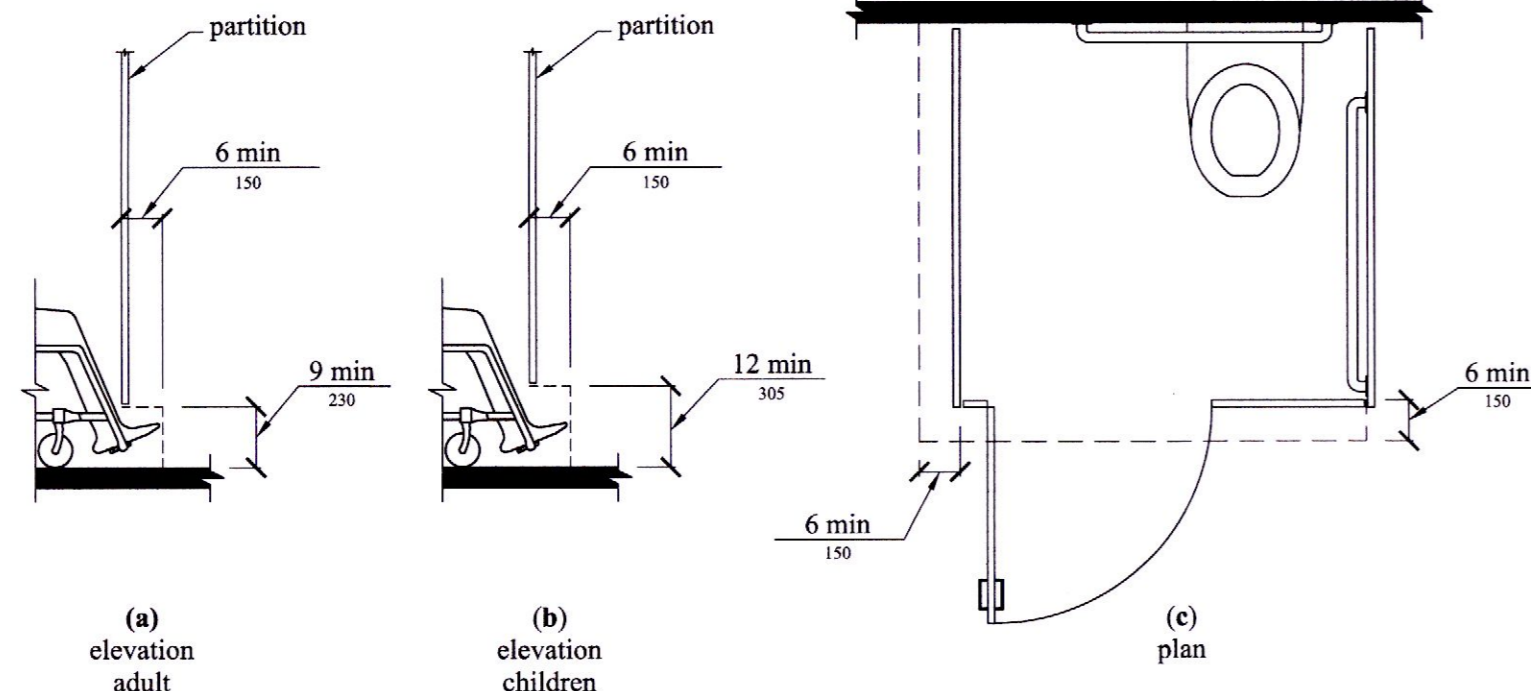


FIGURE 604.8.1.4
WHEELCHAIR ACCESSIBLE TOILET COMPARTMENT TOE CLEARANCE

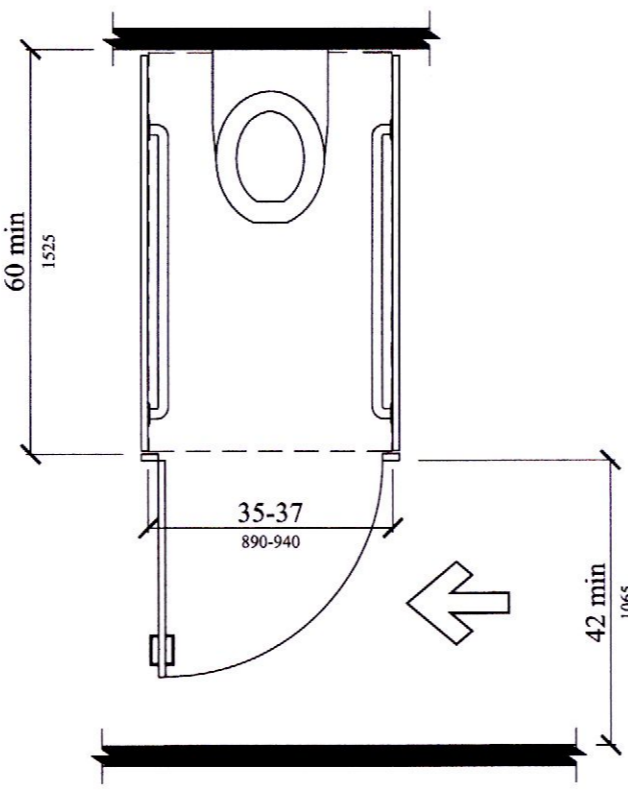


FIGURE 604.8.2
AMBULATORY ACCESSIBLE
TOILET COMPARTMENT

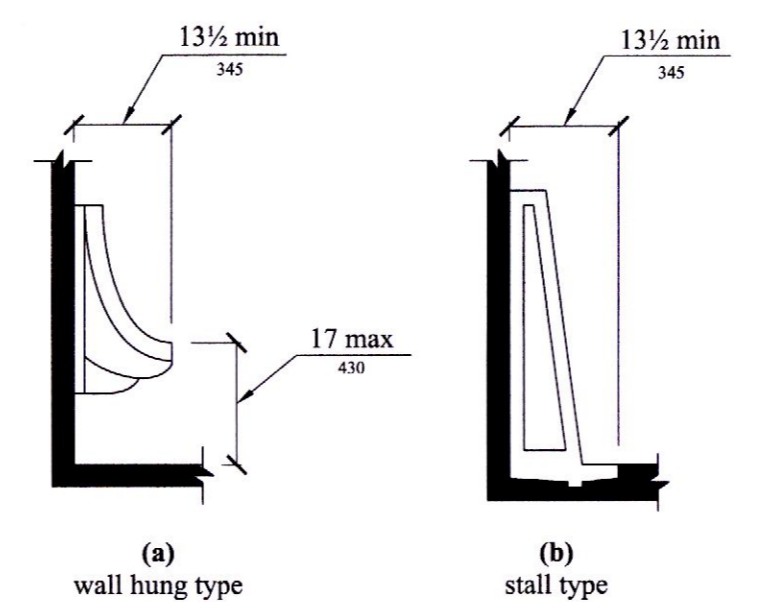


FIGURE 605.2
HEIGHT AND DEPTH OF URINALS

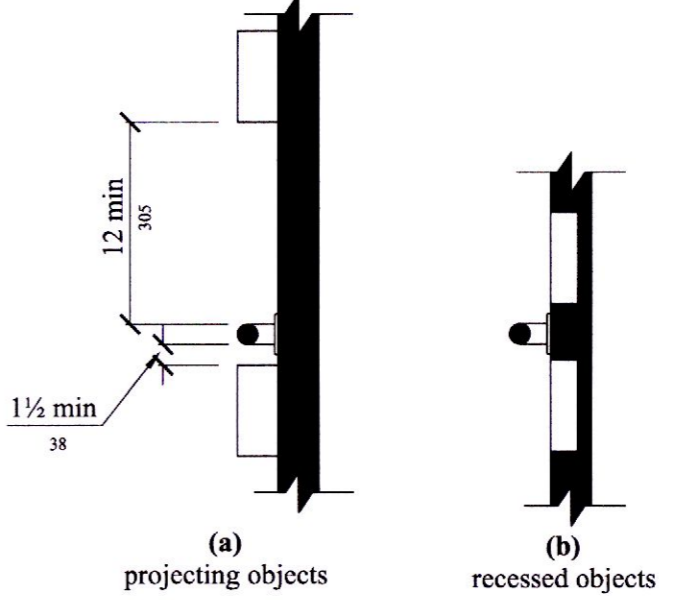
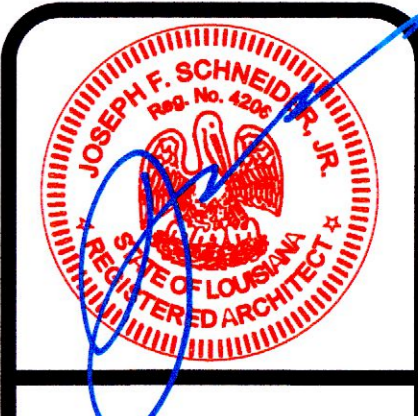


FIGURE 609.3
SPACING OF GRAB BARS



TYPICAL ADA DETAILS

JOSEPH F. SCHNEIDER JR., AIA
ARCHITECT
L.A. #4206 MS #3020 AL #8724 FL #AR95908 TX #24294
105 EVANGELINE DRIVE, SLIDELL, LOUISIANA 70460
(985) 290-6648
jfsarchitect@charter.net

DRAWN	H. SCHNEIDER
CHECKED	J. SCHNEIDER
DATE	
SCALE	AS NOTED
JOB NO.	

SHEET
ADA-3
OF SHEETS

REVIEWED FOR
STATE FIRE MARSHAL
AS PER REVIEW LETTER
BY: WILLIAM D. JONES, ARCHITECT, CSO
William D. Jones

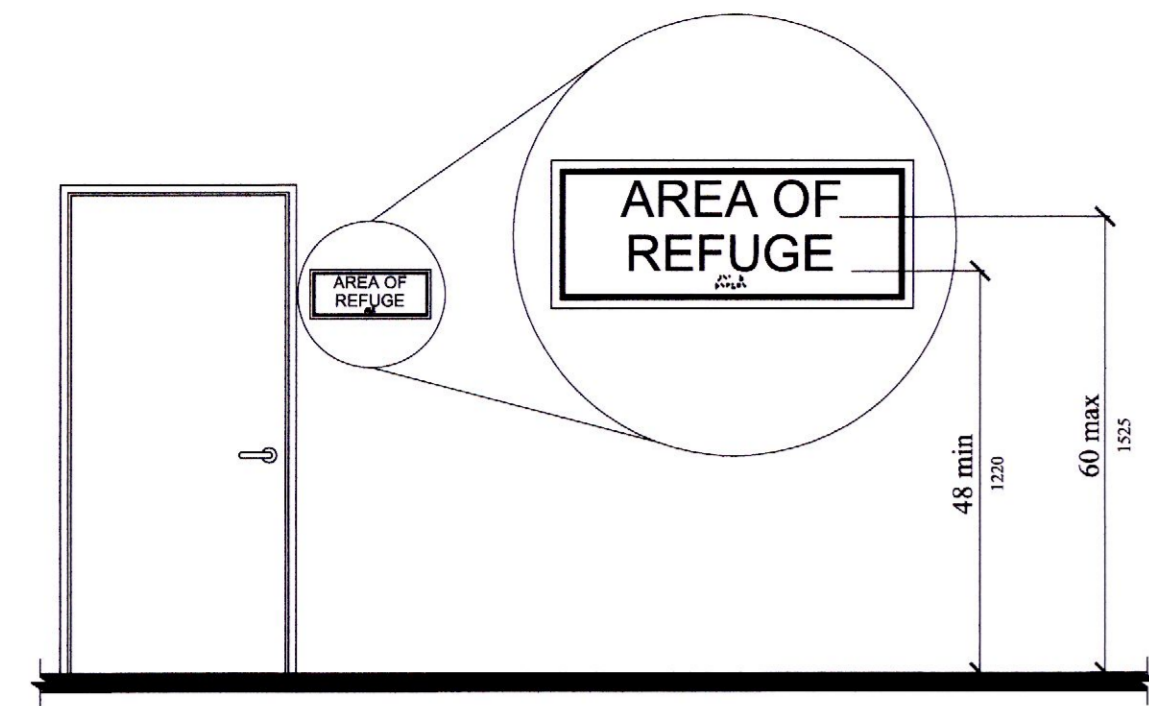


FIGURE 703.4.1
HEIGHT OF TACTILE CHARACTERS ABOVE FINISH FLOOR OR GROUND

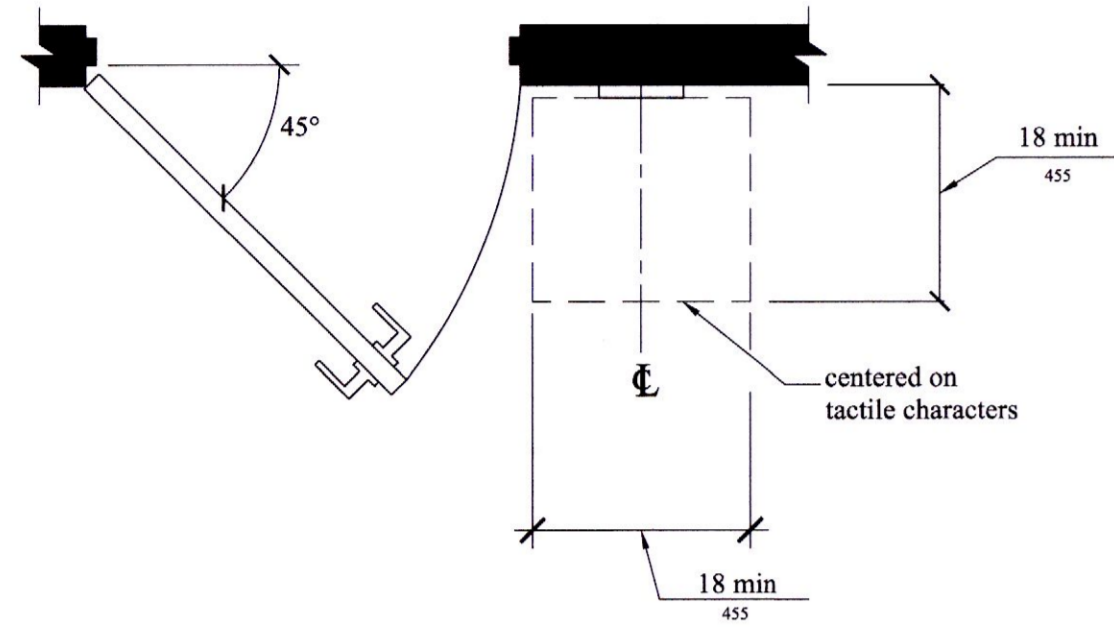


FIGURE 703.4.2
LOCATION OF TACTILE SIGNS AT DOOR

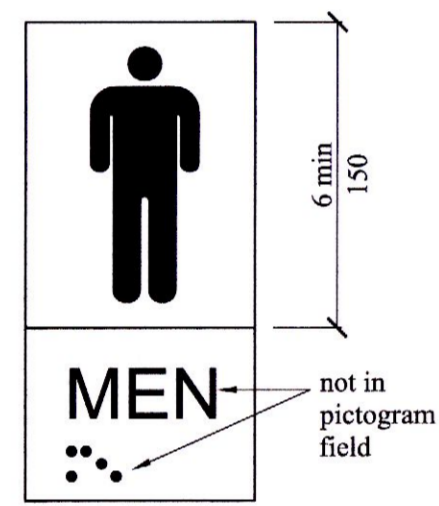
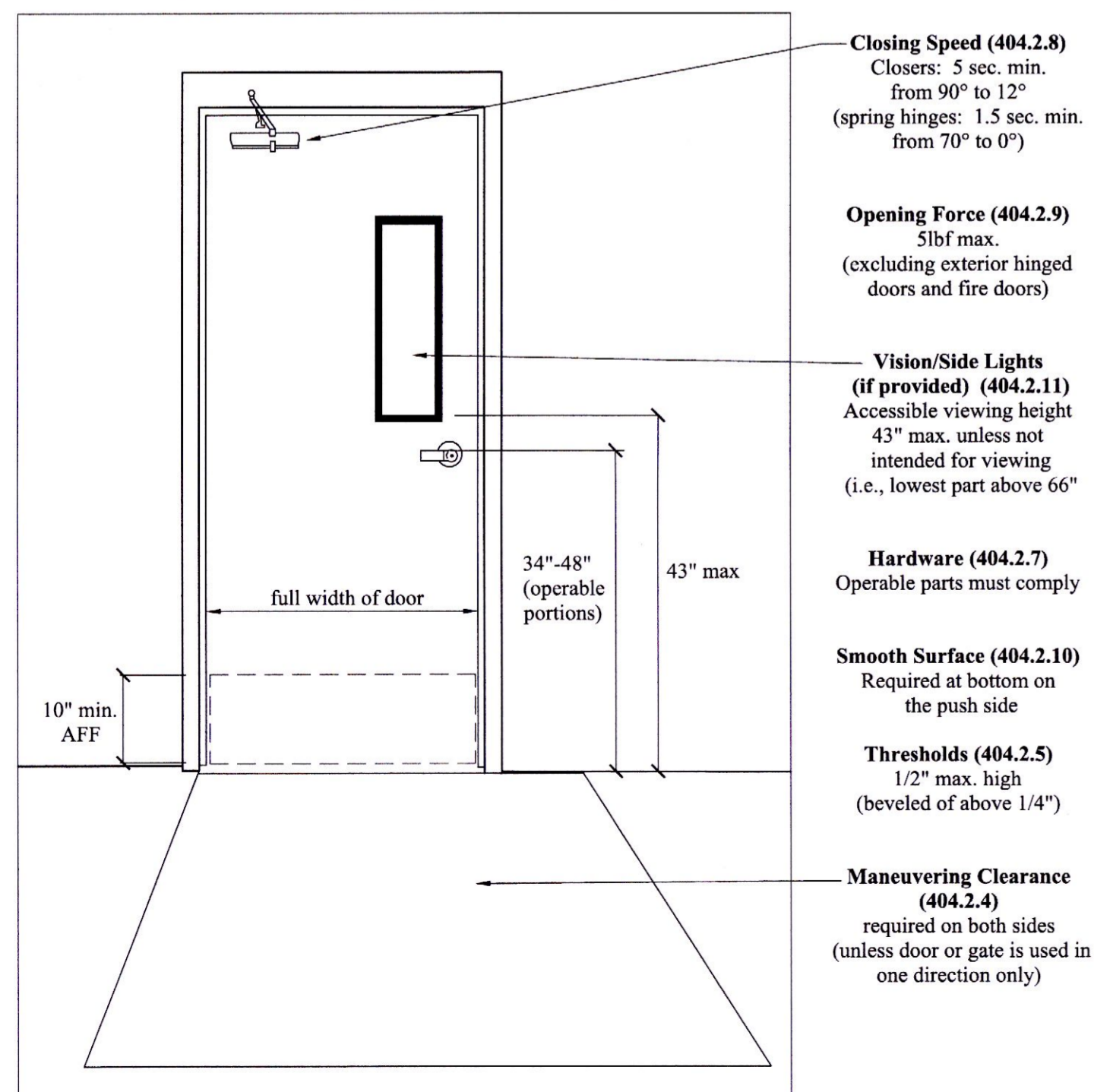


FIGURE 703.6.1
PICTOGRAM FIELD



FIGURE 703.7.2.1
INTERNATIONAL SYMBOL OF ACCESSIBILITY

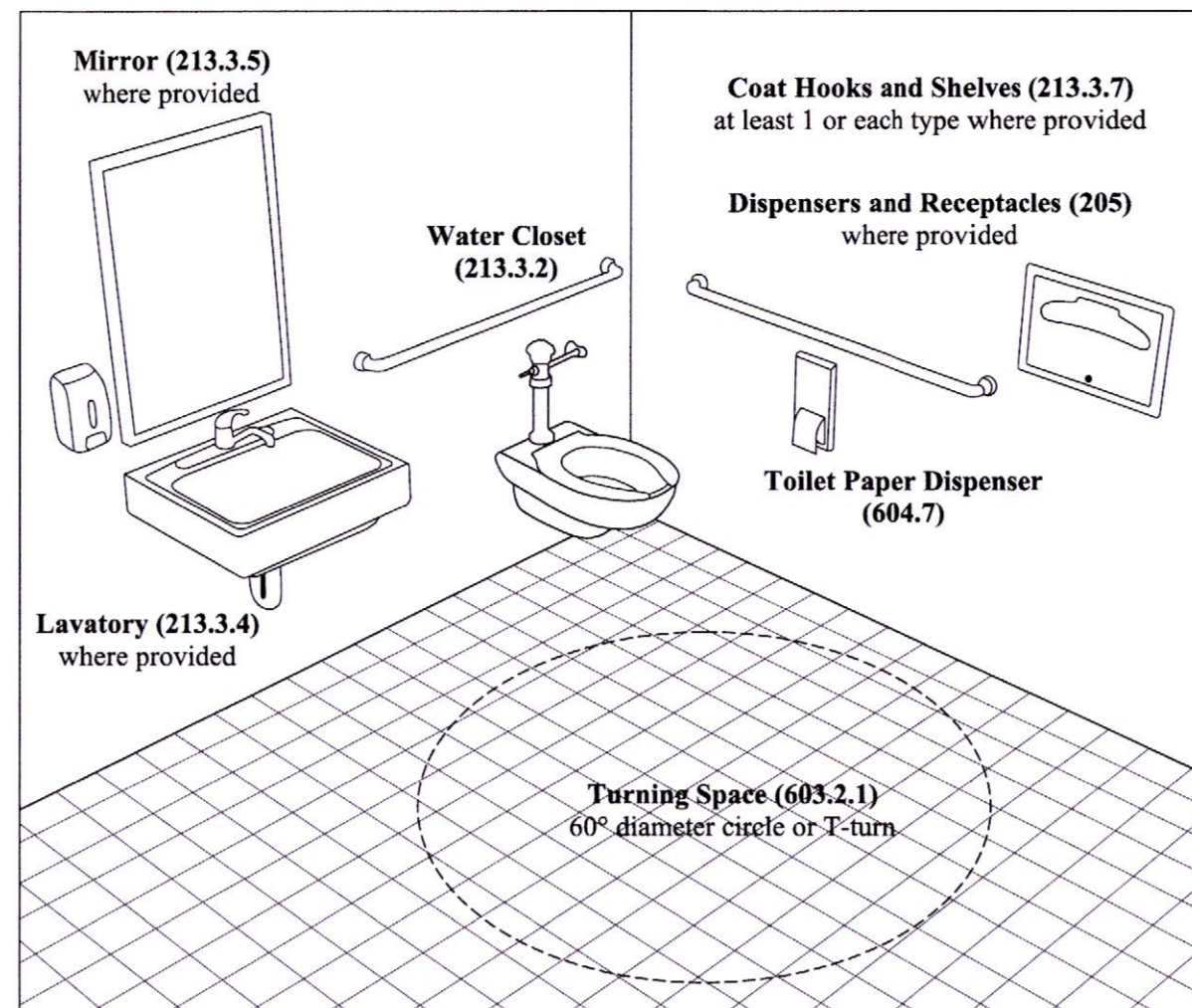
MANUAL DOORS AND GATES (404.2)



- Closing Speed (404.2.8)**
Closers: 5 sec. min. from 90° to 12°
(spring hinges: 1.5 sec. min. from 70° to 0°)
- Opening Force (404.2.9)**
5 lbf max. (excluding exterior hinged doors and fire doors)
- Vision/Side Lights (if provided) (404.2.11)**
Accessible viewing height 43" max, unless not intended for viewing (i.e., lowest part above 66")
- Hardware (404.2.7)**
Operable parts must comply
- Smooth Surface (404.2.10)**
Required at bottom on the push side
- Thresholds (404.2.5)**
1/2" max. high (beveled of above 1/4")
- Maneuvering Clearance (404.2.4)**
required on both sides (unless door or gate is used in one direction only)

COMPONENTS OF ACCESSIBLE SINGLE USER TOILET ROOM

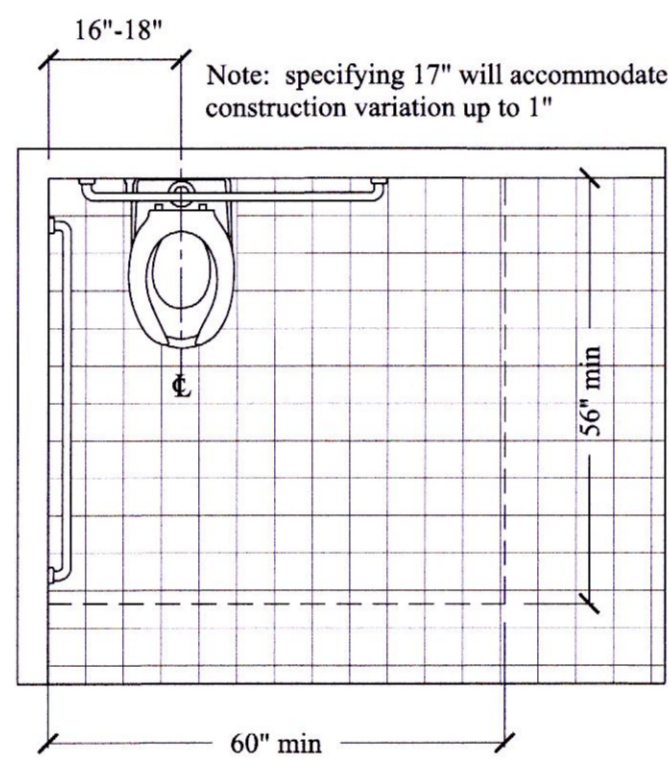
Requirements in the standards for toilet rooms address doors, turning space, plumbing fixtures, mirrors, dispensers, shelves, and other elements provided. Other provision in the Standards also apply.



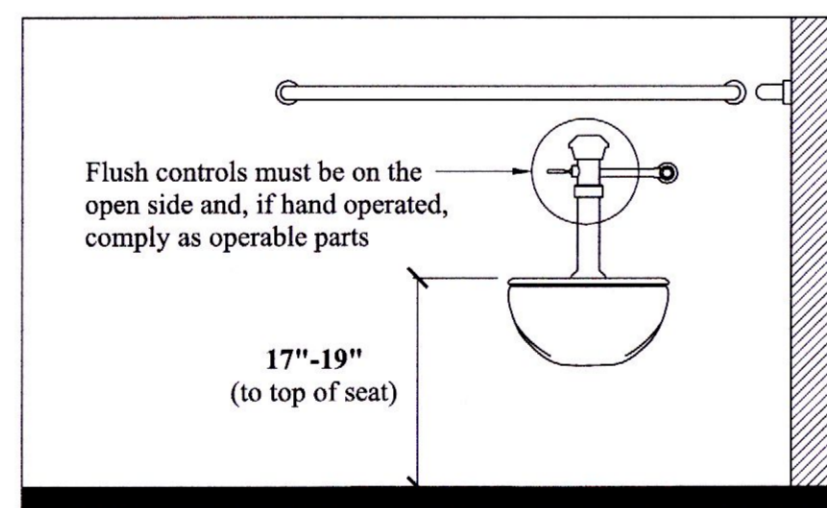
Urinals (213.3.3)
An accessible urinal is required only in toilet rooms where more than one urinal is provided.

WATER CLOSETS (213.3.2, 604)

Criteria for water closets address location, clearance, seats, grab bars, flush controls, and dispensers. Water closets can be arranged for either a left-hand or right-hand approach.



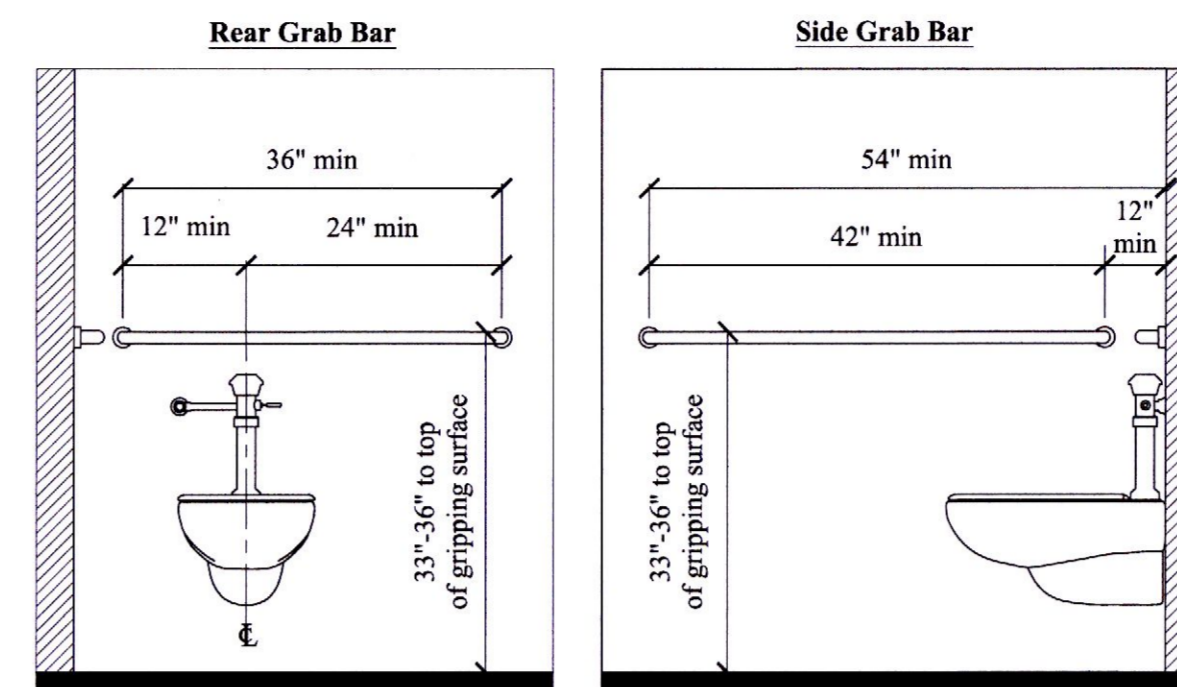
Location, Clearance, Seat Height and Flush Controls



Recommendation: Locate flush valves and related plumbing to the side of the water closet or behind walls to keep the rear grab bar clear.

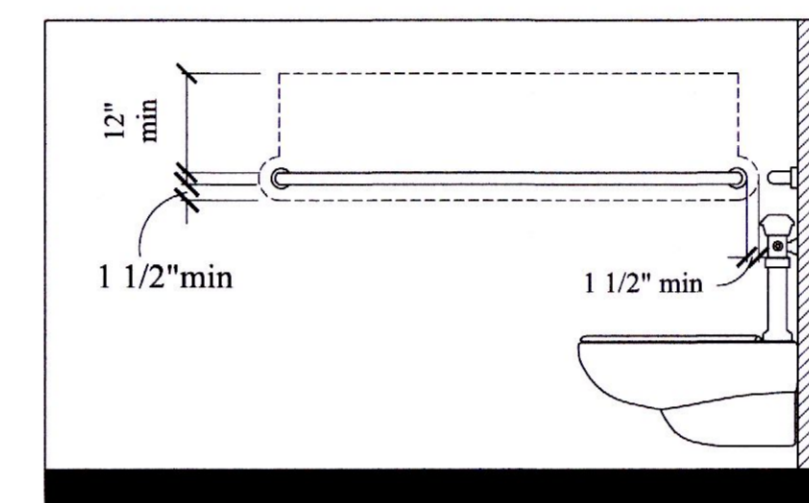
GRAB BARS (604.5, 609)

Grab bars are required to be mounted on the walls beside and behind the water closet. They can be separate or continuous. When returned to walls, the length is measured to the centerline of the return, consistent with industry practice. When attached at other points along the bar, the length is measured to the end of the bar.

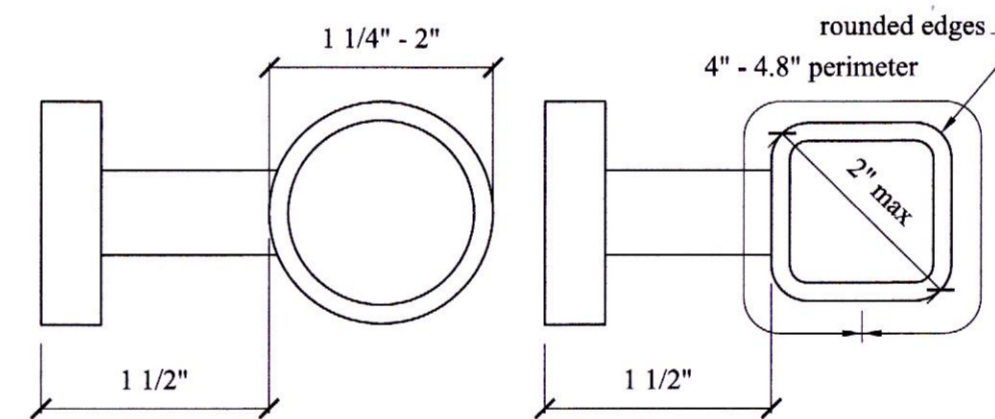


The rear grab bar can be shifted to the open side of the water closet or split where it would conflict with the location of flush controls required by applicable codes (604.5.2).

Minimum Clearance at Grab Bars

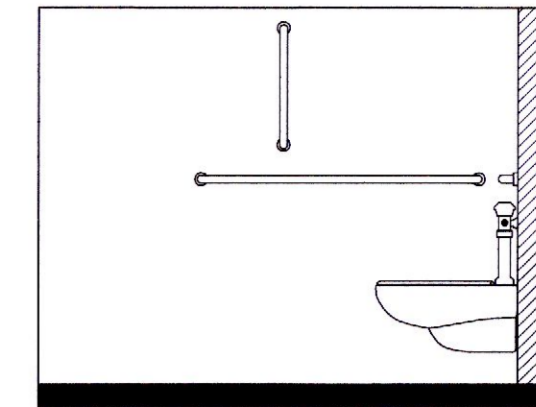


Cross Section and Clearance

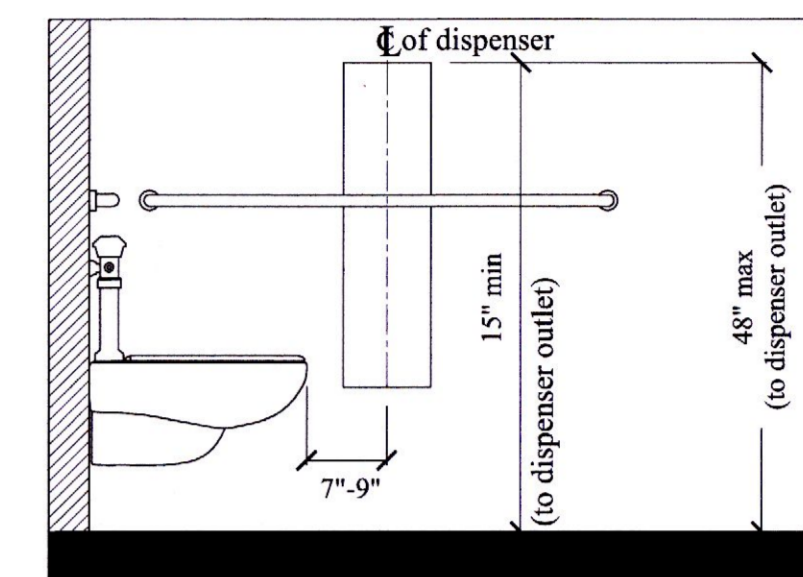


Vertical Grab Bar (ICC A117.1 Standard)

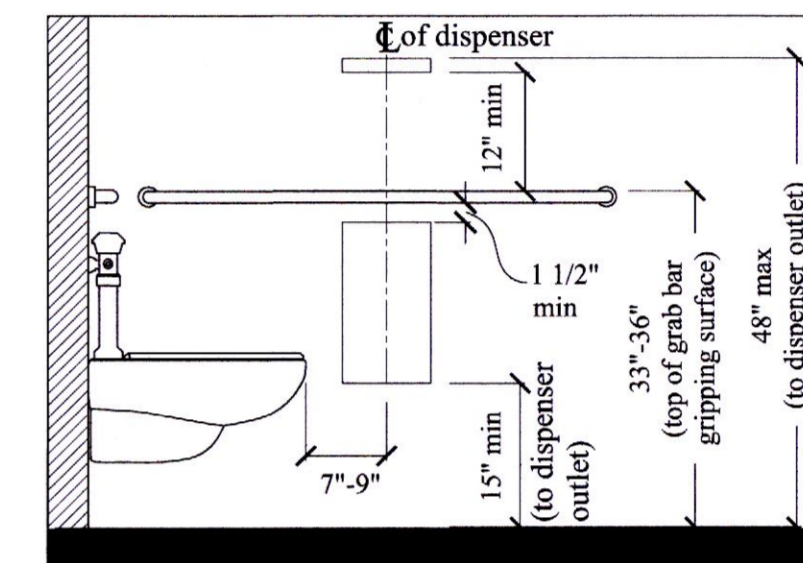
The ICC A117.1 Standard for Accessible and Usable Building and Facilities, which is referenced by the International Building Code, requires an 18 inch min. vertical grab bar at water closets. The ADA Standards do not require this grab bar but allow a second grab bar to be within 12 inch clearance above the horizontal grab bar (609.3) if there is a separation of 1 1/2 inch.



Recessed Dispenser Location



Non-Recessed Dispenser Location



If the grab bar is 36 inch high, a non-recessed toilet paper dispenser location above the bar must have an outlet at exactly 48 inch high to accommodate both the max. reach and the 12 inch clearance above the grab bar.

TYPICAL ADA DETAILS

JOSEPH F. SCHNEIDER JR., AIA
ARCHITECT
LA #4206 MS #3020 AL #8724 FL #AR95908 TX #24294
105 EVANGELINE DRIVE, SLIDELL, LOUISIANA 70460
(985) 290-6648
jfsarchitect@charter.net

DRAWN
H. SCHNEIDER
CHECKED
J. SCHNEIDER
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William D. Jones

Figure 303.2 Vertical Change in Level.
Elevation drawing of a change in level between the surfaces of two parallel planes with a vertical edge that is 1/4 inch (6.4 mm) high maximum.

Figure 303.3 Beveled Change in Level.
Elevation drawing of a change in level 1/4 to 2 inches (6.4 - 13 mm) high that is beveled with a slope of 1:2.

Figure 304.3.2 T-Shaped Turning Space.
The T-shape space is 36 inches (915 mm) wide at the top and stem within a 60 inch (1525 mm) by 1525 mm square.

Figure 305.5(a) Forward Approach.
For a forward approach to an element, a clear floor or ground space, 30 inches by 48 inches (760 mm by 1220 mm) minimum, is shown with the shorter dimension parallel to the wall or element.

Figure 305.5(b) Parallel Approach.
For a parallel approach to an element, a clear floor or ground space, 30 inches by 48 inches (760 mm by 1220 mm) minimum, is shown with the longer dimension parallel to the wall or element.

Figure 305.7.1 Maneuvering Clearance in an Alcove: Forward Approach.
For a forward approach, if the depth of the alcove is greater than 24 inches (610 mm), the clear floor or ground space within the alcove must be 36 inches (915 mm) wide minimum.

Figure 305.7.2 Maneuvering Clearance in an Alcove: Parallel Approach.
For a parallel approach, if the depth of the alcove is greater than 15 inches (380 mm), then the length of the clear floor or ground space within the alcove must be 60 inches (1525 mm) minimum.

Figure 306.2(a) Toe Clearance: Elevation.
Toes of a person in a wheelchair are shown extending for a maximum depth of 6 inches (150 mm) under an object that is 9 inches (230 mm) high minimum.

Figure 306.2(b) Toe Clearance: Plan.
Toe clearance at an element, as part of clear floor space, shall extend 17 to 25 inches (430 to 635 mm) under the element. The clear floor space is 30 inches (760 mm) wide minimum.

Figure 306.3(a) Knee Clearance: Elevation.
Knee clearance is 27 inches (685 mm) high minimum above the floor or ground for a minimum depth of 8 inches (205 mm), measured from the leading edge of the element. The vertical clearance decreases beyond this depth to a height of 9 inches (230 mm) minimum at depth of 11 inches (280 mm) minimum measured from the leading edge of the element.

Figure 306.3(b) Knee Clearance: Plan
Combined knee and toe clearance can extend 25 inches (635 mm) maximum under an element.

Figure 307.2 Limits of Protruding Objects.
A frontal view shows a person using a cane walking along a wall. A wall-mounted object more than 27 inches (685 mm) from the floor protrudes no more than 4 inches (100 mm) from the wall surface. An object overhead provides vertical clearance that is greater than 80 inches (2030 mm).

Figure 307.3 Post-mounted Protruding Objects.
Elevation drawing (a) shows an object mounted more than 27 inches (685 mm) high on a post. The object protrudes 12 inches (305 mm) maximum from the post on both sides. Elevation (b) shows signs or other obstructions mounted between posts or pylons. One object has its lowest edge mounted 27 inches (685 mm) high maximum between posts that are more than 12 inches apart. Another object is mounted with its lowest edge 80 inches (2030 mm) high minimum between posts that are more than 12 inches apart.

Figure 307.4 Vertical Clearance.
A person using a long cane is shown approaching the sloped underside of a staircase. A portion of the area below the stairs in front of the person has a vertical clearance less than 80 inches (2030 mm). A railing 27 inches (685 mm) high maximum separates this space from the areas where a vertical clearance at or above 80 inches (2030 mm) is maintained.

Figure 308.2.1 Unobstructed Forward Reach.
A side view is shown of a person using a wheelchair reaching toward a wall. The lowest vertical reach point is 15 inches (380 mm) minimum and the highest is 48 inches (1220 mm) maximum.

Figure 308.2.2 Obstructed High Forward Reach.
Figure (a) shows a person seated in a wheelchair reaching a point on a wall above a protrusion, such as a wall-mounted counter, which is 20 inches (510 mm) deep maximum. The maximum reach height is 48 inches (1220 mm). In figure (b), the obstruction is more than 20 inches (510 mm) deep, with 25 inches (635 mm) the maximum depth. The maximum reach height is 44 inches (1120 mm).

Figure 308.3.1 Unobstructed Side Reach.
The drawing shows a frontal view of a person using a wheelchair making a side reach to a wall. The depth of reach is 10 inches (255 mm) maximum. The vertical reach range is 15 inches (380 mm) minimum to 54 inches (1370 mm) maximum.

Figure 308.3.2 Obstructed High Side Reach.
In figure (a), a person seated in a wheelchair is shown reaching to the side over an obstruction 10 inches (510 mm) deep maximum and 34 inches (865 mm) high maximum. The maximum reach height is 48 inches (1220 mm). In figure (b) the obstruction depth is 10 inches to 24 inches maximum (255 to 610 mm) and 34 inches (865 mm) high maximum. The maximum reach height is 46 inches (1170 mm).

Figure 403.5.1 Clear Width of an Accessible Route.
Shown in plan view, the minimum clear width of walking surfaces is 36 inches (915 mm) minimum, but can be reduced to 32 inches (815 mm) for a length of 24 inches (610 mm) maximum, provided that the reduced width segments are at least 48 inches (1220 mm) apart.

Figure 403.5.2 Clear Width at Turn.
Two alternative plan views are shown of an accessible route that has a 180 degree turn about an object less than 48 inches (1220 mm) wide. In figure (a), the clear width is 42 inches (1065 mm) minimum approaching the turn, 48 inches (1220 mm) minimum at the turn, and 42 inches (1065 mm) minimum leaving the turn. In figure (b), the clear width is 36 inches (915 mm) minimum approaching the turn, 60 inches (1525 mm) minimum at the turn, and 36 inches (915 mm) minimum leaving the turn.

Figure 404.2.3 Clear Width of Doorways.
Figure (a) shows in plan view a hinged door open 90 degrees with a clear opening width 32 inches (815 mm) minimum, measured from the face of the door to the opposite stop. Figure (b) shows an open sliding door with a clear opening width 32 inches (815 mm) minimum. Figure (c) shows an open folding door with a clear opening width 32 inches (815 mm) minimum.

Figure 404.2.4.1 Maneuvering Clearance at Manual Swinging Doors and Gates.
Figures (a) - (c) Front Approaches. Maneuvering space on the pull side extends 18 inches (455 mm) minimum beyond the latch side of the door and 60 inches (1525 mm) minimum perpendicular to the doorway. On the push side of doors not equipped with a closer or latch, the maneuvering space is the same width as the door opening and extends 48 inches (1220 mm) minimum perpendicular to the doorway. At doors equipped with both a closer and a latch, the maneuvering space extends 12 inches (305 mm) minimum beyond the latch side of the door and 48 inches (1220 mm) minimum perpendicular to the doorway. Figures (d) - (g) Hinge Approaches. Maneuvering space on the pull side extends 36 inches (915 mm) minimum beyond the latch side of the door and 60 inches (1525 mm) minimum perpendicular to the doorway; if this space extends 42 inches (1065 mm) minimum beyond the latch side of the door, it can extend 54 inches (1370 mm) minimum perpendicular to the doorway. On the push side, maneuvering space extends 22 inches (560 mm) from the hinge side of the doorway and 48 inches (1220 mm) minimum perpendicular to the doorway at doors with both a closer and a latch or 42 inches (1065 mm) at doors that do not have both a closer and a latch. Figures (h) - (k) Latch Approaches. Maneuvering space on the pull side extends 24 inches (915 mm) minimum beyond the latch side of the door and 54 inches (1370 mm) minimum perpendicular to the doorway; if the door has both a closer and a latch; if the door does not, the space can be 48 inches (1220 mm) minimum measured perpendicular to the doorway. On the push side, maneuvering space extends 24 inches (560 mm) from the latch side of the doorway and 48 inches (1220 mm) minimum perpendicular to the doorway if the door has both a closer and a latch; if it does not, the space can extend 42 inches (1065 mm) minimum measured perpendicular to the doorway.

Figure 404.2.4.2 Maneuvering Clearances at Doorways without Doors, Manual Sliding Doors, and Manual Folding Doors.
Figure (a) shows a front approach to a sliding or folding (accordion) door. Maneuvering clearance is as wide as the door opening and 48 inches (1220 mm) minimum perpendicular to the opening. Figure (b) shows a doorway without a door. For a side approach, maneuvering clearance is as wide as the doorway and 42 inches (1065 mm) minimum perpendicular to the doorway. Figure (c) shows a pocket or hinge approach. Maneuvering clearance extends 22 inches (560 mm) from the pocket or hinge side and is 42 inches (1065 mm) minimum perpendicular to the doorway. Figure (d) shows a stop or latch approach. Maneuvering clearance extends 24 inches (610 mm) from the stop or latch side and is 42 inches (1065 mm) minimum perpendicular to the doorway.

Figure 404.2.4.3 Maneuvering Clearance at Recessed Doors and Gates.
Figures (a) - (c) show front approaches at doors recessed more than 8 inches (455 mm). Maneuvering space on the pull side extends 18 inches (455 mm) minimum beyond the latch side of the door and 60 inches (1525 mm) minimum perpendicular to the plane of the doorway. On the push side of doors not equipped with a closer or latch, the maneuvering space is the same width as the door opening and extends 48 inches (1220 mm) minimum perpendicular to the plane of the doorway. At doors equipped with both a closer and a latch, the maneuvering space extends 12 inches (305 mm) minimum beyond the latch side of the door and 48 inches (1220 mm) minimum measured perpendicular to the plane of the doorway.

Figure 404.2.6 Doors in Series and Gates in Series.
Figure (a) shows two doors in series which swing in the same direction. Space between the doors must be at least 48 inches (1220 mm) minimum plus the width of the in-swinging door. Figure (b) shows two doors in series which swing away from the space between the doors. The space separating the doors must be at least 48 inches (1220 mm) long.

Figure 405.7 Ramp Landings.
Figure (a) shows in plan view a ramp with two landings, each 60 inches (1525 mm) long in the direction of the ramp run and as wide as the connecting ramp run. Figure (b) shows a ramp that has two runs connected by a landing 60 by 60 inches (1525 by 1525 mm); each run is oriented at 90 degrees from the other run, which connect to an adjacent sides of the landing.

Figure 405.9.1 Extended Floor or Ground Surface Edge Protection.
The cross section of a ramp with handrails is shown where the ramp surface extends 12 inches (305 mm) minimum to the outside of the handrails.

Figure 405.9.2 Curb or Barrier Edge Protection.
An elevation drawing shows a vertical clearance of less than 4 inches (100 mm) between the ramp surface and the bottom edge of a horizontal rail.

Figure 406.2 Counter Slope of Surfaces Adjacent to Curb Ramps.
In cross section, a curb ramp with a maximum slope of 1:12 adjoins a surface at the bottom that has a maximum counter slope of 1:20.

Figure 406.3 Sides of Curb Ramps.
A curb ramp with triangular flared sides is shown. The flared sides have a maximum 1:10 slope, measured at the curb face.

Figure 406.4 Landings at the Top of Curb Ramps.
A plan view of a curb ramp shows the required top landing which has a length of 36 inches (915 mm) minimum in the direction of the ramp run and is at least as wide as the ramp.

Figure 406.6 Diagonal or Corner Type Curb Ramps.
A plan view of a diagonal curb ramp is shown at a marked crossing. A space 48 inches (220 mm) minimum, measured in the direction of the ramp run, is provided at the bottom of the ramp outside active traffic lanes and within the boundary of the marked pedestrian crossing. Sections of curb 24 inches (610 mm) minimum in length are shown beyond the flared sides and within the marked crossing.

Figure 406.7 Islands in Crossings.
Figure (a) is a plan view of a raised pedestrian island with a walkway cut through at the same level as the street crossing. Figure (b) is a plan view of a raised pedestrian island between two traffic lanes. Aligned curb ramps with side flares slope down on each side. The level space between the top of both ramps is 48 inches (1220 mm) long minimum. The width of both ramp runs is 36 inches (915 mm).

Figure 502.2 Vehicle Parking Spaces.
Two marked parking spaces are shown in plan view. The car space is 96 inches (2440 mm) wide minimum and the van space is 132 inches (3350 mm) wide minimum, with an access aisle between them.

Figure 502.3 Parking Space Access Aisle.
A van and a car parking space are shown in plan view sharing an access aisle. The access aisle is shown to be 60 inches (1525 mm) wide minimum and as long as the parking space. The entire length of the aisle area is to be marked.

Figure 503.3 Passenger Loading Zone Access Aisle.
An access aisle at a passenger loading zone is shown to be the full length of the vehicle pull-up space and 60 inches (1525 mm) wide minimum. The aisle area is to be marked.

Figure 504.5 Stair Nosings.
Figure (a) shows vertical risers where the radius of curvature of the leading edge of each tread is 2 inch (13 mm) maximum. Figure (b) shows angled risers. Risers can slope at an angle of 30 degrees maximum from the vertical. Figures (c) and (d) show curved and beveled nosings, respectively. The maximum projection of the nosing is 1 2 inches (38 mm) beyond the rear of the tread below.

Figure 505.4 Handrail Height.
Figure (a) shows stairs with the top gripping surface of a handrail 34 to 38 inches (865 to 965 mm) above stair nosings. Figures (b) and (c) show ramps and walking surfaces, respectively. The top gripping surface of a handrail is 34 to 38 inches (865 to 965 mm) above the surface.

Figure 505.5 Handrail Clearance.
The clearance between the handrail and wall is shown to be 1 2 inches (38 mm) minimum.

Figure 505.6 Horizontal Projections Below Gripping Surface.
A handrail with brackets attached to the bottom surface is shown in cross section. The horizontal projection of the bracket from the wall is 1 2 inches (38 mm) below the bottom of the handrail.

Figure 505.7.2 Handrail Non-Circular Cross Section.
Figure (a) shows a handrail with an approximately square cross section and figure (c) shows an elliptical cross section. The largest cross section dimension is 2 2 inches (57 mm) maximum. The perimeter dimension must be 4 to 6 1/4 inches (100 to 160 mm).

Figure 505.10.1 Top and Bottom Handrail Extension at Ramps.
Ramp handrails at the top and bottom are shown to extend horizontally above the landing 12 inches (305 mm) minimum from the ramp run. The extensions return to posts.

Figure 505.10.2 Top Handrail Extension at Stairs.
The handrail extends horizontally above the landing for 12 inches (305 mm) minimum beginning directly above the first riser nosing.

Figure 505.10.3 Bottom Handrail Extension at Stairs.
A handrail is shown to extend at the slope of the stair flight for a horizontal distance equal to one tread depth beyond the last riser nosing.

Figure 602.5 Drinking Fountain Spout Location.
In plan view, the spout is shown to be 15 inches (380 mm) minimum from the vertical support and 5 inches (125 mm) from the front edge of the unit.

Figure 604.2 Water Closet Location.
Figure (a) shows a wheelchair accessible water closet, with space on one side, and figure (b) shows an ambulatory accessible water closet, with stall walls and grab bars on both sides. The water closet centerline is shown to be 16 to 18 inches (405 to 455 mm) from the side wall.

Figure 604.3.1 Size of Clearance at Water Closets.
The clearance around a water closet is shown in plan view to be 60 inches (1525 mm) wide minimum and 56 inches (1420 mm) deep minimum.

Figure 604.5.1 Side Wall Grab Bar at Water Closets.
Elevation drawing shows the side wall grab bar to be 42 inches (1065) long minimum, located 12 inches (305 mm) maximum from the rear wall and extending 54 inches (1370 mm) minimum from the rear wall.

Figure 604.5.2 Rear Wall Grab Bar at Water Closets.
Elevation drawing shows the rear grab bar 36 inches (915 mm) long minimum, positioned so that 24 inches (610 mm) minimum extends toward the open transfer side and 12 inches (305 mm) minimum extends toward the side wall.

Figure 604.7 Dispenser Outlet Location.
Elevation drawing shows the centerline of the toilet paper dispenser to be 7 to 9 inches (180 to 230 mm) in front of the water closet. The outlet of the dispenser is 15 inches (380 mm) minimum and 48 inches (1220 mm) maximum above the floor.

Figure 604.8.1.1 Size of Wheelchair Accessible Toilet Compartment.
Figure (a) is a plan view of an adult wall hung water closet. The compartment is shown to be 60 inches (1525 mm) wide minimum and 56 inches (1420 mm) deep minimum. Figure (b) is a plan view of an adult floor mounted and a children's water closet. The compartment is shown to be 60 inches (1525 mm) wide minimum and 59 inches (1500 mm) deep minimum.

Figure 604.8.1.2 Wheelchair Accessible Toilet Compartment Doors.
The compartment door is hinged 4 inches (100 mm) maximum from the side wall or partition farthest from the water closet so that the door opens on to the open transfer space. The minimum clearance between the door side of the stall and any obstruction is 42 inches (1065 mm).

Figure 604.8.1.4 Wheelchair Accessible Toilet Compartment Toe Clearance.
Figure (a) is an elevation drawing showing toe clearance under a toilet compartment partition. Toe clearance is 9 inches (230 mm) high minimum and 6 inches (150 mm) deep minimum beyond the compartment-side face of the partition. Figure (b) is an elevation drawing for a children's toilet compartment. Toe clearance is 12 inches (305 mm) high minimum and 6 inches (150 mm) deep minimum beyond the compartment-side face of the partition. Figure (c) is a plan view showing toe clearance under the front partition and one side partition, 6 inches (150 mm) deep minimum.

Figure 604.8.2 Ambulatory Accessible Toilet Compartment.
The compartment is 60 inches (1525 mm) deep minimum and 35 to 37 inches (890 to 940 mm) wide, with grab bars on both sides. The minimum clearance between the door side of the stall and any obstruction is 42 inches (1065 mm).

Figure 605.2 Height and Depth of Urinals.
Figure (a) is an elevation drawing of a wall hung type having the urinal rim 17 inches (430 mm) maximum above the floor with a minimum depth of 13 2 inches (350 mm) measured from the outer face of the rim to the back of the fixture. Figure (b) is an elevation drawing of a stall (floor) type having a minimum depth of 13 2 inches (350 mm) measured from the outer face of the rim to the back of the fixture.

Figure 609.3 Spacing of Grab Bars.
A grab bar is shown with a projecting object mounted above and below it. Projecting objects must spaced 1 1/2 inch (38 mm) minimum below and 12 inches (305 mm) minimum above the grab bar. Recessed objects can be spaced immediately above and below.

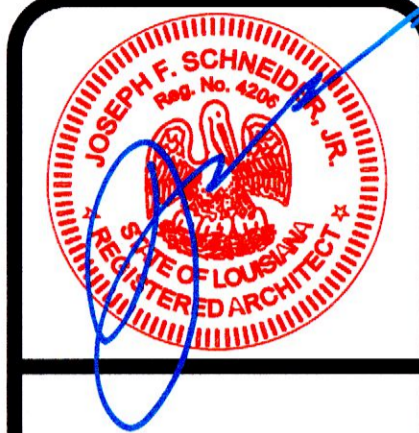
Figure 703.4.1 Height of Tactile Characters Above Finish Floor or Ground.
A tactile sign is shown mounted with the baseline of the lowest characters 48 inches (1220 mm) minimum and the baseline of the highest characters 60 inches (1525 mm) maximum above the finish floor.

Figure 703.4.2 Location of Tactile Signs at Doors.
A sign with tactile characters is mounted so that clear floor space 18 by 18 inches (455 by 455 mm) minimum, centered on the tactile characters, is provided beyond the arc of any door swing between the closed position and 45 degree open position.

Figure 703.6.1 Pictogram Field.
The field height for a men's room pictogram is shown to be 6 inches (150 mm) minimum. Tactile and Braille characters are located below, outside the pictogram field.

Figure 703.7.2.1 International Symbol of Accessibility.
Pictogram that shows the simplified profile of a person seated in a wheelchair.

REVISIONS	BY

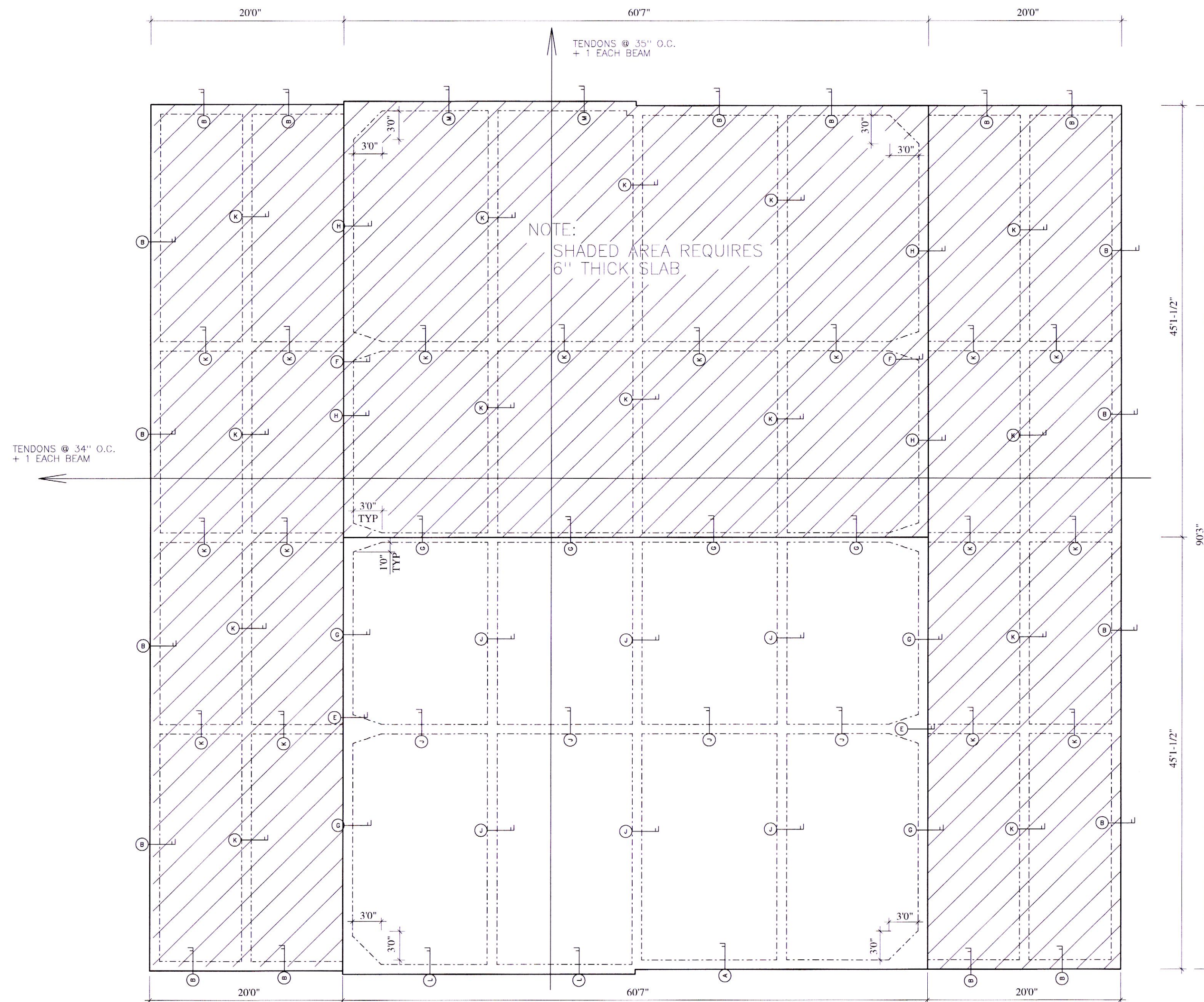


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JOSEPH F. SCHNEIDER JR., AIA
ARCHITECT
LA #4206 MS #3020 AL #8724 FL #AR95908 TX #24294
105 EVANGELINE DRIVE, SLIDELL, LOUISIANA 70460
(985) 290-6648 jfsarchitect@charter.net

DRAWN H. SCHNEIDER
CHECKED J. SCHNEIDER
DATE
SCALE AS NOTED
JOB NO.
SHEET ADA-5 OF SHEETS

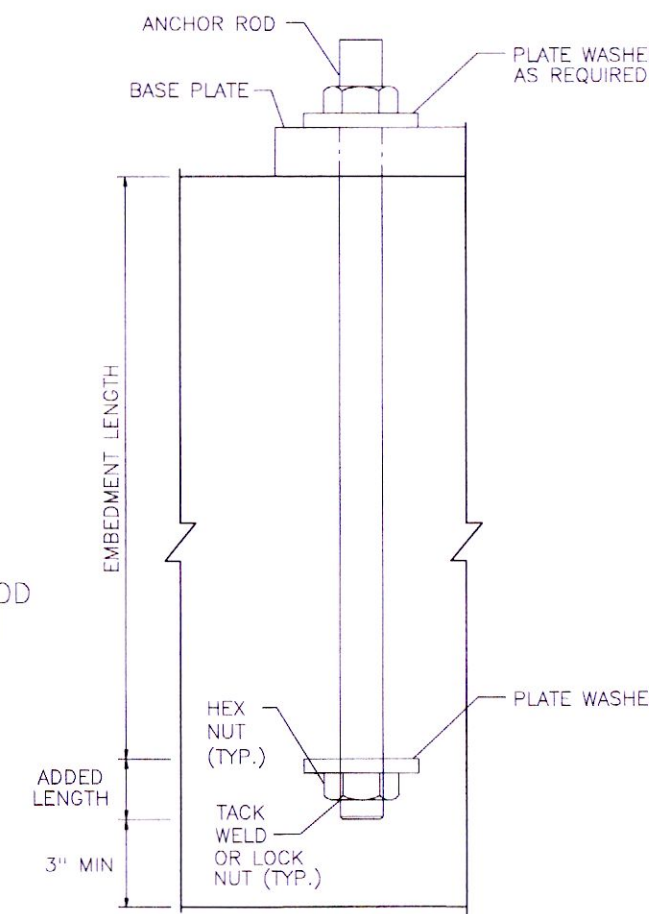
REVIEWED FOR
STATE FIRE MARSHAL
AS PER REVIEW LETTER
BY: WILLIAM D. JONES, ARCHITECT, CBO
William D. Jones



BASE BID
P.T. SLAB AREA = 9057.35 sq. ft.
DO NOT USE THIS PLAN TO SET FORMS!

NOTE:
TENDON ID'S, ELONGATION
TO BE PROVIDED BY TENSION SUPPLIER

NOTE:
MINIMUM ANCHOR ROD
EMBEDMENT LENGTH
1-1/4" DIA - 20"
1" DIA - 18"
3/4" DIA - 16"
5/8" DIA - 8"
1/2" DIA - 6"



TYPICAL ANCHOR ROD DETAIL
REFER TO ANCHOR BOLT PLANS
FOR SIZE AND CHART FOR EMBEDMENT LENGTH

SPECIFICATIONS - SLAB ON GRADE

This plan is to be only for the location below:
425 LEeward LOOP
COVINGTON, LOUISIANA

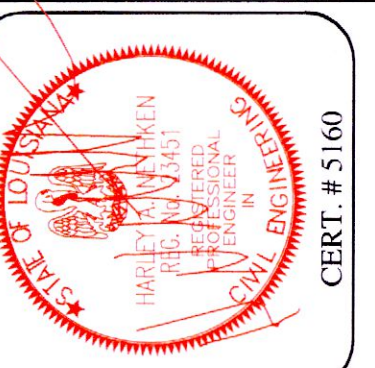
- A. CONCRETE**
- A1. The concrete mix should yield a minimum compressive strength of 3500 p.s.i. at 28 days. Concrete design mix shall be in accordance with ACI 318 (latest version). No chlorides shall be allowed.
 - A2. Concrete shall have a minimum compressive strength of 2000 p.s.i. at time of stressing.
 - A3. Concrete shall be well consolidated especially in the vicinity of the tendon anchors.
 - A4. This slab has been designed to be poured monolithically between slab & grade beams. If this cannot be achieved add #3 hairpins w/ min. 14" legs @ 12" O.C.
 - A5. Each mix design shall be labeled to indicate the area in which the concrete is to be placed (i.e. foundations, slab-on-grade, columns, etc.) Failure to do so will cause rejection of submittals.
 - A6. Proposed mix design shall be in accordance with method 1 or method 2 of ACI 301. Provide supporting data in labular form for each separate proposed mix.
 - A7. Submit concrete mix design for each proposed class of concrete.
- B. MATERIALS; TENDON AND REBAR**
- B1. All conventional reinforcing steel shall meet ASTM-A615 (Grade 60). Reinforcing steel shall be detailed and accessories provided in accordance with the latest "ACI Manual of Standard Practice for Detailing Reinforced Concrete Structures".
 - B2. All Prestressing steel shall consist of seven-wire low relaxation strand conforming to ASTM-A116. Minimum ultimate tensile strength shall be 270 ksi. Strands shall be coated with a permanent rust preventive lubricant and a plastic sheath of at least 0.040 inches thick.
 - B3. Preinstalled tendons and bars shall be securely supported to prevent both vertical and horizontal movement during concrete placing. Wet set dowels are permitted. No tendon will be unsupported for more than 54 inches.
 - B4. If tendon sheathing is damaged or removed from live end anchor more than 2" it SHALL be repaired. "Deck" tape is not allowed to touch actual strand. Replace sheathing prior to taping. If tendon sheathing is damaged or removed along length of the tendon for approximately 4' or more it should be repaired. Sheathing behind a fixed anchor may be removed for 12" to 14".
 - B5. The tendon location at the end of the grade beam is to be a "minimum" of 5" from the top of the slab to the CGS of the tendon.
 - B6. All tendon anchorages may be moved 12" horizontally or 1-1/2" vertically. Anchors shall not be below exterior finish grade.
 - B7. In lieu of actual test cylinder results, tendons are to be stressed no earlier than 6 days and no later than 14 days after concrete placement. Contractor to remove all form work prior to stressing of tendons.
 - B8. All tendons to be 270k and 1/2" in diameter.
 - B9. Stressing 1/2" strand stress to 33.0 kips - anchor at 28.9 kips.
 - B10. Tendons, pocket formers, plastic chairs, anchors, wedges to be furnished by a PTI certified plant with current certification.
 - B11. Liveend and Deadends may be swapped/reversed as needed, u.n.o.
 - B12. Tendon finishing: After written acceptance of the tendon elongation report, tendons shall be cut beyond the face of the slab. If less than 3/4" plastic tendon sleeve may be used. Stressing pocket shall be promptly grouted with non shrink cement based grout.
 - B13. Double live end tendons shall be fully stressed at the initial end. No additional stressing required if proper elongation has been achieved.
- C. INSTALLATION**
- THE DESIGN OF THIS FOUNDATION IS BASED ON THE GEOTECHNICAL REPORT.
PROJECT NO.: 10025.01
PROVIDED BY: GILLEN ENGINEERING, LLC
DATE: SEPTEMBER 13, 2023
SITE PREPARATION & DRAINAGE SHALL BE AS PER SOIL REPORT.
- C1. Reinforcement shall have 3" cover in the grade beam bottoms, 2" cover in the beam sides and top, 1 1/2" cover in the slab top and bottoms, unless noted otherwise.
 - C2. 2 layers of 4 mil (min) polyethylene sheathing shall be placed under all concrete for friction reduction, except beam bottom & exterior face. Refer to Architect and local codes for additional requirements.
 - C3. The contractor shall verify all drops, off-sets, brick ledges, and block outs and Architectural plans and notify the Engineer of any discrepancies that may exist.
 - C4. Concrete sizes, excluding slab, may vary by 10% - 20%.
 - C5. Dead end anchor. Tendon tail at dead end shall have minimum 1" concrete cover.
 - C6. A minimum of 4" of concrete will be maintained throughout the entire slab. A tolerance of + 3/4" shall not be exceeded.
 - C7. Exterior footings will have a minimum of 12" embedment below finished grade.
 - C8. Contractor to install all floating forms, porch brick ribbon forms, and any brick-ledges greater than 6" deep before P.T. cable placement. Do not install brick ledges less than 6" deep prior to tendon installation. Refer to site preparation as specified in soil report.
 - C9. Field verify all dimensions, notes, drops, slopes, and recesses with Architectural drawings.
 - C10. Recess as required for ceramic tile, wood or brick floors, maintaining full slab and grade beam depth.
 - C11. Provide adequate supports for all tendons and rebars to maintain proper position.
 - C12. Slab chairs to be placed at all intersections. Secure tendons to chairs.
 - C13. All subgrade fill shall be select material used for this project should consist of a soil having a liquid limit of not more than 45% and a plasticity index of 8 to 25. Select fill used for this project should be compacted from horizontally placed loose lifts not exceeding 9 in. in thickness to a density which is equal to at least 95% standard Proctor density (ASTM D 698).
 - C14. If unavailable sand (SP / AASHVO A-3) may be used if grade beam shape is maintained. Refer to note C4.
 - C15. Tendons & anchors may be moved horizontally to avoid conflict with electrical, mechanical or plumbing requirements.
 - C16. Slab tendon placement may vary as much as 12" horizontal and 2" vertical to avoid obstructions.
 - C17. Tendons may be horizontally diverted around plumbing piping or other fixed objects up to 8" over a distance of 12 feet to provide a minimum of 3" clearance.
 - C18. Maximum of 2.0 feet of fill above natural ground may be placed under the building footprint. Maximum differential fill shall not exceed 20%.
 - C19. Installation of brittle floor coverings (tile, brick, stone) shall be installed as per "The Tile Council of North America - Handbook for Ceramic, Glass, and Stone Tile Installation", for structural slabs subjected to deflection and bending.
- D. MISCELLANEOUS**
- D1. The contractor shall be responsible for coordination of the structural drawings with all other drawings.
 - D2. Loading of the slab prior to tensioning shall not be done without the approval and direction of the design Engineer.
 - D3. Alteration to or deviation from the information shown on this sheet without the written advance approval from Acadian Structural Solutions, Inc. will void designer's responsibility.
 - D4. This plan is for grade beam location and tendon layout only. Refer to Architectural plans for setting forms.
 - D5. All runoff water must be carried away from the slab to prevent saturation of the sub-base.
 - D6. All trees within close proximity shall be removed to prevent the roots from extending under the slab.
 - D7. No field supervision provided under this seal unless otherwise noted.
 - D8. Prior to installing any additional hardware attached to the foundation by drilling into the slab. Tendons SHALL be located to avoid tendon damage.
 - D9. This is a PTI 2/BRAB Type III rigid ground supported slab, designed to float on the surface. Differential movement can not be avoided. However the design is meant to minimize its negative effects.
 - D10. This plan is for structural requirements only. Architectural details, surface requirements and compliance with A.D.A. regulations are specifically omitted from this plan. The coordination of, and responsibility for such requirements is the responsibility of others.
 - D11. These drawings have been checked to insure a reasonable and normally acceptable degree of accuracy. However, the contractor is responsible for verifying all dimensions, details and code requirements of these plans and specifications prior to the start of work.
 - D12. It is the responsibility of the builder to provide good drainage away from the foundation from the time forms are set until the construction of the building is complete. Good drainage must be maintained for the duration of the building.
 - D13. Seal is lot specific and for structural design only. Drawing and design valid for one (1) year after latest date in title block.
 - D14. This foundation has been designed to control temperature & shrinkage cracks. Shrinkage & temperature cracks may occur initially during concrete curing. This does not impact the structural integrity of the slab.
- E. INSPECTIONS & OBSERVATIONS**
- E1. Prior to concrete placement an inspection/observation is required by a qualified third party. All discrepancies noted during inspections SHALL be corrected prior to concrete placement.
 - E2. Qualified third party shall have a minimum PTI Level 2 certification or a licensed professional engineer with experience in post tensioning.
 - E3. During the stressing operation, continuous observation shall be provided by a third party.
 - E4. Tendon reference mark shall be provided and placed on tendon by tendon stressing company.
 - E5. The offset of the reference marking device shall be noted and included in all stressing logs by the observing party.
 - E6. Tendon elongations that do not achieve the minimum value shall be promptly reported to the post tension designer for resolution.
 - E7. Compaction testing shall be at a frequency of 1 test per 1200 sq. ft. per lift.
 - E8. A certified testing agency shall be engaged to perform industry standard testing including slump tests and cylinder breaks to ensure conformance with plans and specifications. Inspector submits reports to architect and engineer. Minimum 1 set of 6 per 100 cubic yards or a days prior.
 - E9. Governing Documents: Construction and Maintenance Manual for Post-Tensioned Slab-on-Ground Foundations (Latest Edition)

THIS PLAN IS FOR STRUCTURAL REQUIREMENTS ONLY. ARCHITECTURAL DETAILS, SURFACE REQUIREMENTS, AND COMPLIANCE WITH A.D.A. REGULATIONS ARE SPECIFICALLY OMITTED FROM THIS PLAN. THE COORDINATION OF, AND RESPONSIBILITY FOR SUCH REQUIREMENTS IS THE RESPONSIBILITY OF OTHERS.

THIS FOUNDATION DESIGN IS BASED ON THE SUBMITTED DRAWINGS BY:
ARCHITECT: JOSEPH F. SCHNEIDER JR., AIA
DATE: 10/20/2023
REVISION: N/A
CONTRACTOR SHALL REVIEW THESE DRAWINGS AND DIMENSIONS CONFIRMING THAT THEY MATCH ARCHITECTURAL DRAWINGS PRIOR TO PLACING ORDER FOR TENDONS.

NOTE:
IT IS THE RESPONSIBILITY OF THE BUILDER TO PROVIDE GOOD DRAINAGE AWAY FROM THE FOUNDATION FROM THE TIME FORMS ARE SET UNTIL THE CONSTRUCTION OF THE BUILDING IS COMPLETE. GOOD DRAINAGE MUST BE MAINTAINED FOR THE DURATION OF THE BUILDING.

THESE DRAWINGS HAVE BEEN CHECKED TO INSURE A REASONABLE AND NORMALLY ACCEPTABLE DEGREE OF ACCURACY. HOWEVER, THE CONTRACTOR IS RESPONSIBLE FOR VERIFYING ALL DIMENSIONS, DETAILS, AND CODE REQUIREMENTS OF THESE PLANS AND SPECIFICATIONS PRIOR TO THE START OF WORK.



ACADIAN STRUCTURAL SOLUTIONS, INC.
57362 ALLEN RD, SLIDELL, LA. 70461
PHONE (985) 641-5794 FAX (985) 641-1239
PLANS@ACADIANSS.COM

NEW FIRE STATION #134
ST. TAMMANY FIRE DISTRICT #13
COVINGTON, LOUISIANA
JOSEPH F. SCHNEIDER JR., AIA
SLIDELL, LOUISIANA

SCALE: 1/8" = 10"
DATE: 8 APR 24
DRAWN BY: EPH
CHKD BY: HN
ASS PROJECT #: 296-24

DATE	REVISIONS	GENERAL COMMENTS
25 APR 24		

SHEET
PT-1
OF
PT-4

THIS PLAN IS ONLY VALID ONE YEAR FROM DATE ON PLAN

REVIEWED FOR
STATE FIRE MARSHAL
AS PER REVIEW LETTER
BY WILLIAM D. JONES, ARCHITECT, CBO
William D. Jones



THIS PLAN IS ONLY VALID ONE YEAR FROM DATE ON PLAN

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NEW FIRE STATION #134
 ST. TAMMANY FIRE DISTRICT #13
 COVINGTON, LOUISIANA

JOSEPH F. SCHNEIDER JR., AIA
 SLIDELL, LOUISIANA

SCALE: 1/8" = 1'-0"
 DATE: 8 APR 24
 DRAWN BY: EPH
 CHKD BY: HN
 ASS PROJECT #: 296-24

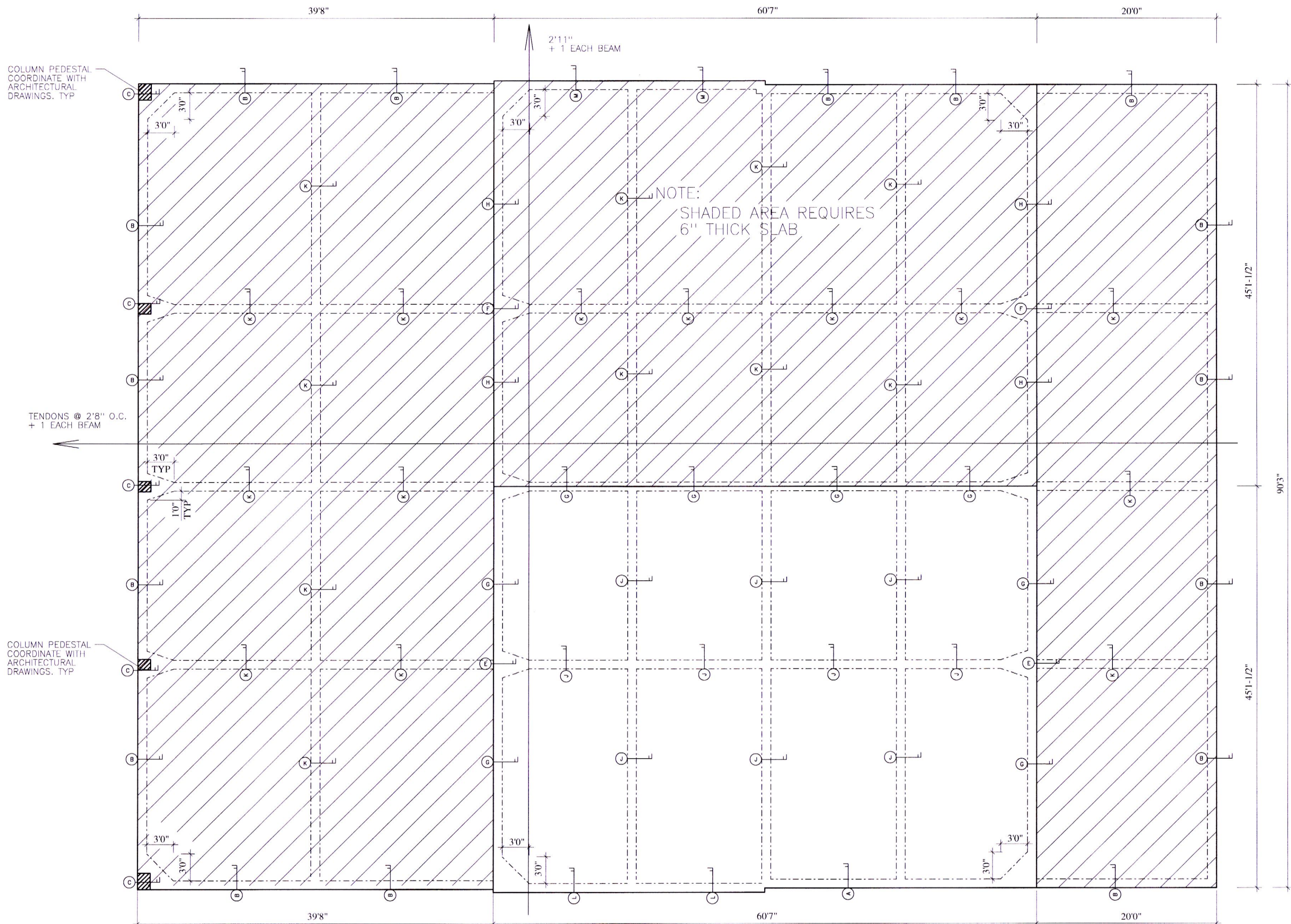
REVISIONS	GENERAL COMMENTS
DATE	25 APR 24

SHEET
PT-2
 OF
PT-4

SPECIFICATIONS - SLAB ON GRADE

This plan is to be only for the location below:
 425 LEEWARD LOOP
 COVINGTON, LOUISIANA

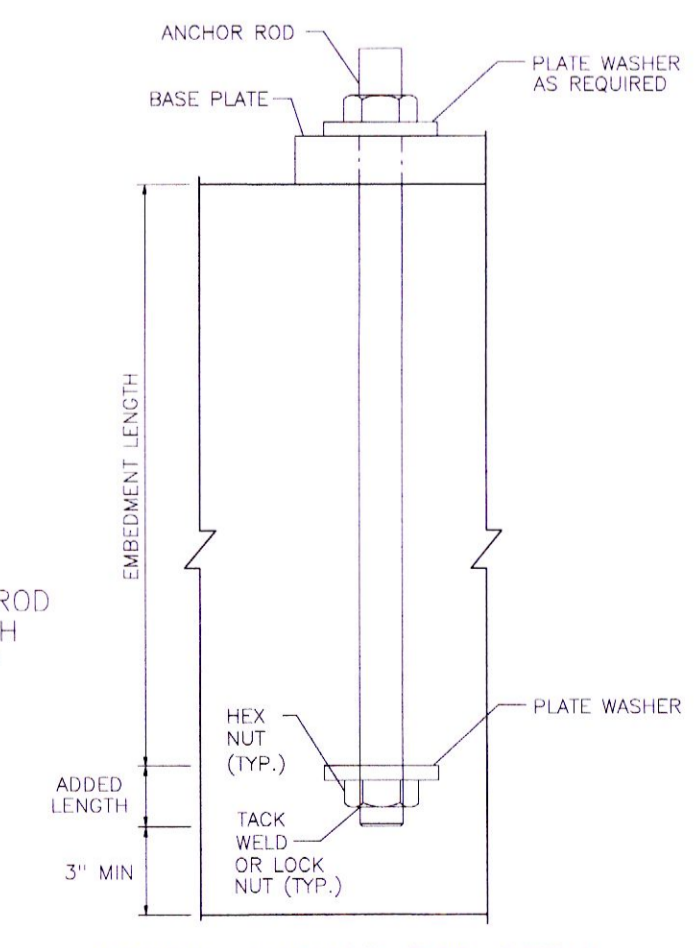
- A. CONCRETE**
- The concrete mix should yield a minimum compressive strength of 3500 p.s.i. at 28 days. Concrete design mix shall be in accordance with ACI 318 (latest version). No chlorides shall be allowed.
 - Concrete shall have a minimum compressive strength of 2000 p.s.i. at time of stressing.
 - Concrete shall be well consolidated especially in the vicinity of the tendon anchors.
 - This slab has been designed to be poured monolithically between slab & grade beams.
 - Each mix design shall be labeled to indicate the area in which the concrete is to be placed (i.e. foundations, slab on grade, columns, etc.) Failure to do so will cause rejection of submittals.
 - Proposed mix design shall be in accordance with method 1 or method 2 of ACI 301. Provide supporting data in tabular form for each separate proposed mix.
 - Submit concrete mix design for each proposed class of concrete.
- B. MATERIALS; TENDON AND REBAR**
- All conventional reinforcing steel shall meet ASTM A615 (Grade 60). Reinforcing steel shall be detailed and accessories provided in accordance with the latest "ACI Manual of Standard Practice for Detailing Reinforced Concrete Structures".
 - All Prestressing steel shall consist of seven-wire low relaxation strand conforming to ASTM-A118. Minimum ultimate tensile strength shall be 270 ksi. Strands shall be coated with a permanent rust preventive lubricant and a plastic sheath of at least 0.040 inches thick.
 - Preinstalled tendons and bars shall be securely supported to prevent both vertical and horizontal movement during concrete placing. Wet set dowels are permitted. No tendon will be unsupported for more than 54 inches.
 - If tendon sheathing is damaged or removed from live end anchor more than 2" it shall be repaired. "Duck" tape is not allowed to touch actual strand. Replace sheathing prior to lapping. If tendon sheathing is damaged or removed along length of the tendon for approximately 4' or more it should be repaired. Sheathing behind a fixed anchor may be removed for 12" to 14".
 - The tendon location at the end of the grade beam is to be a "minimum" of 5" from the top of the slab to the CGS of the tendon.
 - All tendon anchorages may be moved 12" horizontally or 1-1/2" vertically. Anchors shall not be below exterior finish grade.
 - In lieu of actual test cylinder results, tendons are to be stressed no earlier than 6 days and no later than 14 days after concrete placement. Contractor to remove all form work prior to stressing of tendons.
 - All tendons to be 270k and 1/2" in diameter.
 - Stressing 1/2" strand stress to 33.0 kips - anchor at 28.9 kips.
 - Tendons, pocket formers, plastic chairs, anchors, wedges to be furnished by a PTI certified plant with current certification.
 - Liveend and Deadends may be swapped/reversed as needed, u.n.o.
 - Tendon finishing: After written acceptance of the tendon elongation report, tendons shall be cut beyond the face of the slab. If less than 3/4" plastic tendon sleeve may be used. Stressing pocket shall be promptly grouted with non shrink cement based grout.
 - Double live end tendons shall be fully stressed at the initial end. No additional stressing required if proper elongation has been achieved.
- C. INSTALLATION**
- THE DESIGN OF THIS FOUNDATION IS BASED ON THE GEOTECHNICAL REPORT, PROJECT NO.: 10025-D1 PROVIDED BY: GILLEN ENGINEERING, LLC DATE: SEPTEMBER 13, 2023
- SITE PREPARATION & DRAINAGE SHALL BE AS PER SOIL REPORT.
- Reinforcement shall have 3" cover in the grade beam bottoms, 2" cover in the beam sides and top, 1 1/2" cover in the slab top and bottoms, unless noted otherwise.
 - 2 layers of 6 mil (min) polyethylene sheathing shall be placed under all concrete for friction reduction, except beam bottom & exterior face. Refer to Architect and local codes for additional requirements.
 - The contractor shall verify all drops, off-sets, brick ledges, and block outs and Architectural plans and notify the Engineer of any discrepancies that may exist.
 - Concrete sizes, excluding slab, may vary by -10% to +20%.
 - Dead end anchor. Tendon tail at dead end shall have minimum 1" concrete cover.
 - A minimum of 4"/6" of concrete will be maintained throughout the entire slab. A tolerance of + 3/4" shall not be exceeded.
 - Exterior footings will have a minimum of 12" embedment below finished grade.
 - Contractor to install all floating forms, porch or ribbon forms, and any brick-ledges greater than 6" deep before P.T. cable placement. Do not install brick-ledges less than 6" deep prior to tendon installation. Refer to site preparation as specified in soil report.
 - Field verify all dimensions, notes, drops, slopes, and recesses with Architectural drawings.
 - Recess as required for ceramic tile, wood or brick floors, maintaining full slab and grade beam depth.
 - Provide adequate supports for all tendons and rebars to maintain proper position.
 - Slab chairs to be placed at all intersections. Secure tendons to chairs.
 - All subgrade fill shall be select material used for this project should consist of a soil having a liquid limit of not more than 45% and a plasticity index of 0 to 25. Select fill used for this project should be compacted from horizontally placed loose lifts not exceeding 9 in. in thickness to a density which is equal to at least 95% standard Proctor density (ASTM D 698)
 - If unavailable sand (SP / AASHTO A-3) may be used if grade beam shape is maintained. Refer to note C4.
 - Tendons & Anchors may be moved horizontally to avoid conflict with electrical, mechanical or plumbing requirements.
 - Slab tendon placement may vary as much as 12" horizontally and 2" vertical to avoid obstructions.
 - Tendons may be horizontally diverted around plumbing piping or other fixed objects up to 8" over a distance of 12 feet to provide a minimum of 3" clearance.
 - Maximum of 2' of fill above natural ground may be placed under the building footprint. Maximum differential fill shall not exceed 20%.
 - Installation of brittle floor coverings (tile, brick, stone) shall be installed as per "The Tile Council of North America - Handbook for Ceramic, Glass, and Stone Tile Installation", for structural slabs subjected to deflection and bending.
- D. MISCELLANEOUS**
- The contractor shall be responsible for coordination of the structural drawings with all other drawings.
 - Loading of the slab prior to tensioning shall not be done without the approval and direction of the design Engineer.
 - Alteration to or deviation from the information shown on this sheet without the written advance approval from Acadian Structural Solutions, Inc. will void designer's responsibility.
 - This plan is for grade beam location and tendon layout only. Refer to Architectural plans for setting forms.
 - All runoff water must be carried away from the slab to prevent saturation of the sub-base.
 - All trees within close proximity shall be removed to prevent the roots from extending under the slab.
 - No field supervision provided under this seal unless otherwise noted.
 - Prior to installing any additional hardware attached to the foundation by drilling into the slab. Tendons SHALL be located to avoid tendon damage.
 - This is a PTI 2/BRAB Type III rigid ground supported slab, designed to float on the surface. Differential movement can not be avoided. However the design is meant to minimize its negative effects.
 - This plan is for structural requirements only. Architectural details, surface requirements and compliance with A.D.A. regulations are specifically omitted from this plan. The coordination of, and responsibility for such requirements is the responsibility of others.
 - These drawings have been checked to insure a reasonable and normally acceptable degree of accuracy. However, the contractor is responsible for verifying all dimensions, details and code requirements of these plans and specifications prior to the start of work.
 - It is the responsibility of the builder to provide good drainage away from the foundation from the time forms are set until the construction of the building is complete. Good drainage must be maintained for the duration of the building.
 - Soil is lot specific and for structural design only. Drawing and design valid for one (1) year after latest date in title block.
 - This foundation has been designed to control temperature & shrinkage cracks. Shrinkage & temperature cracks may occur initially during concrete curing. This does not impact the structural integrity of the slab.
- E. INSPECTIONS & OBSERVATIONS**
- Prior to concrete placement an inspection/observation is required by a qualified third party. All discrepancies noted during inspections SHALL be corrected prior to concrete placement.
 - Qualified third party shall have a minimum PTI Level 2 certification or a licensed professional engineer with experience in post tensioning.
 - During the stressing operation continuous observation shall be provided by a third party. Tendon reference mark shall be provided and placed on tendon by tendon stressing company.
 - The offset of the reference marking device shall be noted and included in all stressing logs by the observing party.
 - Tendon elongations that do not achieve the minimum value shall be promptly reported to the post tension designer for resolution.
 - Compaction testing shall be at a frequency of 1 test per 1200 sq. ft. per lift.
 - A certified testing agency shall be engaged to perform industry standard testing including slump tests and cylinder breaks to ensure conformance with plans and specifications. Inspector submits reports to architect and engineer. Minimum 1 set of 6 per 100 cubic yards or a days prior.
 - Governing Documents: Construction and Maintenance Manual For Post-Tensioned Slab-on-Ground Foundations (latest Edition)



BID ALTERNATE #1
 P.T. SLAB AREA = 10890.25 sq. ft.
DO NOT USE THIS PLAN TO SET FORMS!

NOTE:
 TENDON ID'S, ELONGATION TO BE PROVIDED BY TENSION SUPPLIER

- NOTE:
- MINIMUM ANCHOR ROD EMBEDMENT LENGTH
 - 1 - 1/4" DIA - 20"
 - 1" DIA - 18"
 - 3/4" DIA - 16"
 - 5/8" DIA - 8"
 - 1/2" DIA - 6"



TYPICAL ANCHOR ROD DETAIL
 REFER TO ANCHOR BOLT PLANS FOR SIZE AND CHART FOR EMBEDMENT LENGTH

THIS PLAN IS FOR STRUCTURAL REQUIREMENTS ONLY. ARCHITECTURAL DETAILS, SURFACE REQUIREMENTS, AND COMPLIANCE WITH A.D.A. REGULATIONS ARE SPECIFICALLY OMITTED FROM THIS PLAN. THE COORDINATION OF, AND RESPONSIBILITY FOR SUCH REQUIREMENTS IS THE RESPONSIBILITY OF OTHERS.

THIS FOUNDATION DESIGN IS BASED ON THE SUBMITTED DRAWINGS BY:
 ARCHITECT: JOSEPH F. SCHNEIDER JR., AIA
 DATE: 10/20/2023
 REVISION: N/A

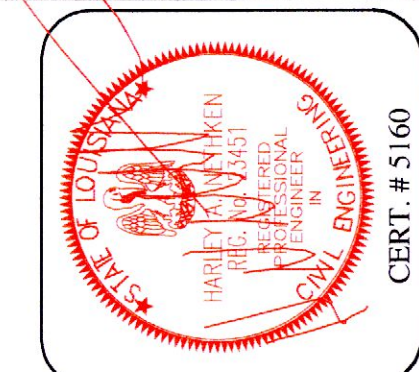
CONTRACTOR SHALL REVIEW THESE DRAWINGS AND DIMENSIONS CONFORMING THAT THEY MATCH ARCHITECTURAL DRAWINGS PRIOR TO PLACING ORDER FOR TENDONS.

NOTE:
 IT IS THE RESPONSIBILITY OF THE BUILDER TO PROVIDE GOOD DRAINAGE AWAY FROM THE FOUNDATION FROM THE TIME FORMS ARE SET UNTIL THE CONSTRUCTION OF THE BUILDING IS COMPLETE. GOOD DRAINAGE MUST BE MAINTAINED FOR THE DURATION OF THE BUILDING.

THESE DRAWINGS HAVE BEEN CHECKED TO INSURE A REASONABLE AND NORMALLY ACCEPTABLE DEGREE OF ACCURACY. HOWEVER, THE CONTRACTOR IS RESPONSIBLE FOR VERIFYING ALL DIMENSIONS, DETAILS, AND CODE REQUIREMENTS OF THESE PLANS AND SPECIFICATIONS PRIOR TO THE START OF WORK.

REVIEWED FOR STATE FIRE MARSHAL AS PER REVIEW LETTER BY WILLIAM D. JONES, ARCHITECT, CBO

William D. Jones



THIS PLAN IS ONLY VALID ONE YEAR FROM DATE ON PLAN

ACADIAN STRUCTURAL SOLUTIONS, INC.
 57362 ALLEN RD, SLIDELL, LA. 70461
 PHONE (985) 641-5794 FAX (985) 641-1239
 PLANS@ACADIANSS.COM

NEW FIRE STATION #134
ST. TAMMANY FIRE DISTRICT #13
 COVINGTON, LOUISIANA
JOSEPH F. SCHNEIDER, JR., AIA
 SLIDELL, LOUISIANA

SCALE: 1/8" = 10"
 DATE: 8 APR 24
 DRAWN BY: EPH
 CHKD BY: HN
 ASS PROJECT #: 206-24

REVISIONS	GENERAL COMMENTS

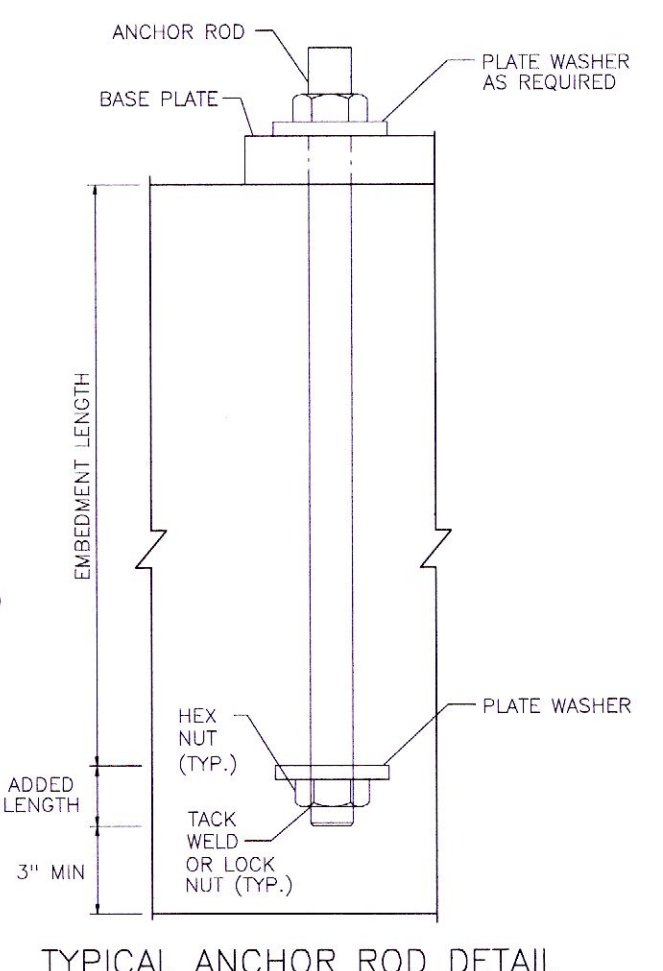
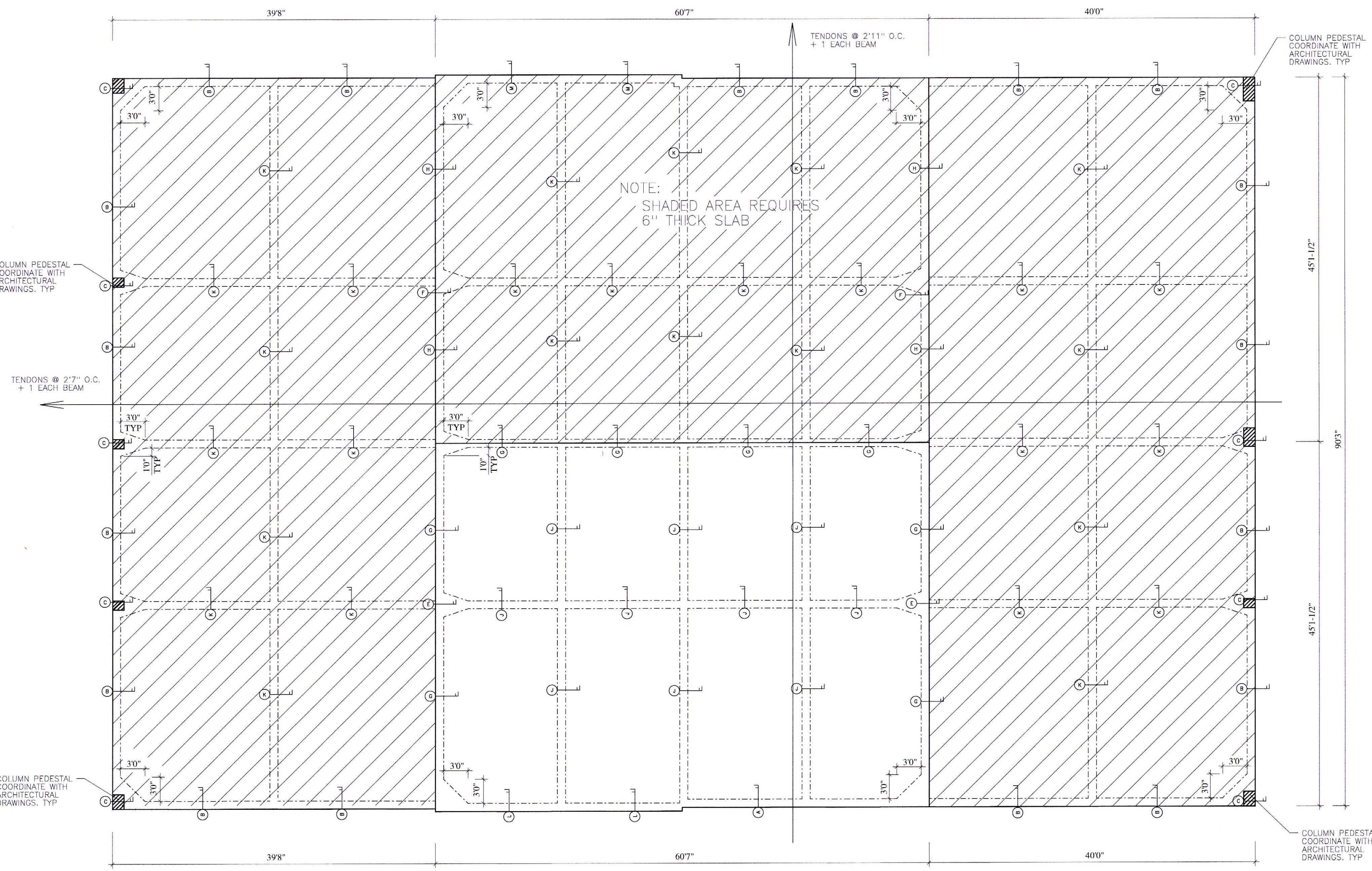
DATE	REVISIONS
25 APR 24	

SHEET
PT-3
 OF
PT-4

SPECIFICATIONS - SLAB ON GRADE

This plan is to be only for the location below:
425 LEEWARD LOOP
COVINGTON, LOUISIANA

- A. CONCRETE**
- A1. The concrete mix should yield a minimum compressive strength of 3500 p.s.i. at 28 days. Concrete design mix shall be in accordance with ACI 318 (latest version). No chlorides shall be allowed.
 - A2. Concrete shall have a minimum compressive strength of 2000 p.s.i. at time of stressing.
 - A3. Concrete shall be well consolidated especially in the vicinity of the tendon anchors.
 - A4. This slab has been designed to be poured monolithically between slab & grade beams.
 - A5. If this cannot be achieved add #3 hairpins w/ min. 14" legs @ 12" O.C.
 - A6. Each mix design shall be labeled to indicate the area in which the concrete is to be placed (i.e. foundations, slab-on-grade, columns, etc.) Failure to do so will cause rejection of submittals.
 - A7. Proposed mix design shall be in accordance with method 1 or method 2 of ACI 301. Provide supporting data in tabular form for each separate proposed mix.
 - A8. Submit concrete mix design for each proposed class of concrete.
- B. MATERIALS; TENDON AND REBAR**
- B1. All conventional reinforcing steel shall meet ASTM-A615 (Grade 60). Reinforcing steel shall be detailed and accessories provided in accordance with the latest "ACI Manual of Standard Practice for Detailing Reinforced Concrete Structures".
 - B2. All Prestressing steel shall consist of seven-wire low relaxation strand conforming to ASTM-A116. Minimum ultimate tensile strength shall be 270 ksi. Strands shall be coated with a permanent rust preventive lubricant and a plastic sheath of at least 0.040 inches thick.
 - B3. Preinstalled tendons and bars shall be securely supported to prevent both vertical and horizontal movement during concrete placing. Wet set dowels are permitted. No tendon will be unsupported for more than 54 inches.
 - B4. If tendon sheathing is damaged or removed from live end anchor more than 2" it SHALL be repaired. "Thick" tape is not allowed to touch actual strand. Replace sheathing prior to taping. If tendon sheathing is damaged or removed along length of the tendon for approximately 4' or more it should be repaired. Sheathing behind a fixed anchor may be removed for 12" to 14".
 - B5. The tendon location at the end of the grade beam is to be a "minimum" of 5" from the top of the slab to the OS of the tendon.
 - B6. All tendon anchorages may be moved 12" horizontally or 1-1/2" vertically. Anchors shall not be below exterior finish grade.
 - B7. In lieu of actual test cylinder results, tendons are to be stressed no earlier than 6 days and no later than 14 days after concrete placement. Contractor to remove all form work prior to stressing tendons.
 - B8. All tendons to be 270k and 1/2" in diameter.
 - B9. Stressing: 1/2" strand stress to 33.0 kips - anchor at 28.9 kips.
 - B10. Tendons, pocket formers, plastic chairs, anchors, wedges to be furnished by a PTI certified plant with current certification.
 - B11. Liveend and Deadends may be swapped/reversed as needed, u.n.o.
 - B12. Tendon finishing: After written acceptance of the tendon elongation report, tendons shall be cut beyond the face of the slab. If less than 3/4" plastic tendon sleeve may be used. Stressing pocket shall be promptly grouted with non shrink cement based grout.
 - B13. Double live end tendons shall be fully stressed at the initial end. No additional stressing required if proper elongation has been achieved.
- C. INSTALLATION**
- THE DESIGN OF THIS FOUNDATION IS BASED ON THE GEOTECHNICAL REPORT, PROJECT NO.: 10025-01, PROVIDED BY: GILLEN ENGINEERING, LLC DATE: SEPTEMBER 13, 2023
- SITE PREPARATION & DRAINAGE SHALL BE AS PER SOIL REPORT.
- C1. Reinforcement shall have 3" cover in the grade beam bottoms, 2" cover in the beam sides and top, 1 1/2" cover in the slab top and bottom, unless noted otherwise.
 - C2. 2 layers of 6 mil (min) polyethylene sheathing shall be placed under all concrete for friction reduction, except beam bottom & exterior face. Refer to Architect and local codes for additional requirements.
 - C3. The contractor shall verify all drops, off-sets, brick ledges, and block outs and Architectural plans and notify the Engineer of any discrepancies that may exist.
 - C4. Concrete slabs, excluding slab, may vary by -10% +20%.
 - C5. Dead end anchor: Tendon tail at dead end shall have minimum 1" concrete cover.
 - C6. A minimum of 4"/6" of concrete will be maintained throughout the entire slab. A tolerance of + 3/4" shall not be exceeded.
 - C7. Exterior footings will have a minimum of 12" embedment below finished grade.
 - C8. Contractor to install all floating forms, porch brick ribbon forms, and any brick-ledges greater than 6" deep before P.T. cable placement. Do not install brick-ledges less than 6" deep prior to tendon installation.
 - C9. Refer to site preparation as specified in soil report.
 - C10. Field verify all dimensions, notes, drops, slopes, and recesses with Architectural drawings.
 - C11. Recess as required for ceramic tile, wood or brick floors, maintaining full slab and grade beam depth.
 - C12. Provide adequate supports for all tendons and rebars to maintain proper position.
 - C13. Slab chairs to be placed at all intersections. Secure tendons to chairs.
 - C14. All subgrade fill shall be select material used for this project should consist of a soil having a liquid limit of not more than 45% and a plasticity index of 8 to 25. Select fill used for this project should be compacted from horizontally - placed loose lifts not exceeding 9 in. in thickness to a density which is equal to at least 95% standard Proctor density (ASTM D 698).
 - C15. If unavailable sand (SP / AASHTO A-3) may be used if grade beam shape is maintained. Refer to note C4. Tendons & anchors shall be moved horizontally to avoid conflict with electrical, mechanical or plumbing requirements.
 - C16. Slab tendon placement may vary as much as 12" horizontal and 2" vertical to avoid obstructions.
 - C17. Tendons may be horizontally diverted around plumbing piping or other fixed objects up to 8" over a distance of 12 feet to provide a minimum of 3" clearance.
 - C18. Maximum of 2.0 feet of fill above natural ground may be placed under the building footprint. Maximum differential fill shall not exceed 20%.
 - C19. Installation of brittle floor coverings (tile, brick, stone) shall be installed as per "The Tile Council of North America - Handbook for Ceramic, Glass, and Stone Tile Installation", for structural slabs subjected to deflection and bending.
- D. MISCELLANEOUS**
- D1. The contractor shall be responsible for coordination of the structural drawings with all other drawings.
 - D2. Loading of the slab prior to tensioning shall not be done without the approval and direction of the design Engineer.
 - D3. Alteration to or deviation from the information shown on this sheet without the written advance approval from Acadian Structural Solutions, Inc. will void designer's responsibility.
 - D4. This plan is for grade beam location and tendon layout only. Refer to Architectural plans for setting forms.
 - D5. All runoff water must be carried away from the slab to prevent saturation of the sub-base.
 - D6. All trees within close proximity shall be removed to prevent the roots from extending under the slab.
 - D7. No field supervision provided under this seal unless otherwise noted.
 - D8. Prior to installing any additional hardware attached to the foundation by drilling into the slab. Tendons SHALL be located to avoid tendon damage.
 - D9. This is a PTI 2/BRAB Type III rigid ground supported slab, designed to float on the surface. Differential movement can not be avoided, however the design is meant to minimize its negative effects.
 - D10. This plan is for structural requirements only. Architectural details, surface requirements and compliance with A.D.A. regulations are specifically omitted from this plan. The coordination of, and responsibility for such requirements is the responsibility of others.
 - D11. These drawings have been checked to insure a reasonable and normally acceptable degree of accuracy. However, the contractor is responsible for verifying all dimensions, details and code requirements of these plans and specifications prior to the start of work.
 - D12. It is the responsibility of the builder to provide good drainage away from the foundation from the time forms are set until the construction of the building is complete. Good drainage must be maintained for the duration of the building.
 - D13. Seal is lot specific and for structural design only. Drawing and design valid for one (1) year after latest date in title block.
 - D14. This foundation has been designed to control temperature & shrinkage cracks. Shrinkage & temperature cracks may occur initially during concrete curing. This does not impact the structural integrity of the slab.
- E. INSPECTIONS & OBSERVATIONS**
- E1. Prior to concrete placement an inspection/observation is required by a qualified third party. All discrepancies noted during inspections SHALL be corrected prior to concrete placement.
 - E2. Qualified third party shall have a minimum PTI Level 2 certification or a licensed professional engineer with experience in post tensioning.
 - E3. During the stressing operation continuous observation shall be provided by a third party.
 - E4. Tendon reference mark shall be provided and placed on tendon by tendon stressing company.
 - E5. The offset of the reference marking device shall be noted and included in all stressing logs by the observing party.
 - E6. Tendon elongations that do not achieve the minimum value shall be promptly reported to the post tension designer for resolution.
 - E7. Compaction testing shall be at a frequency of 1 test per 1200 sq-ft per lift.
 - E8. A certified testing agency shall be engaged to perform industry standard testing including slump tests and cylinder breaks to ensure conformance with plans and specifications. Inspector submits reports to architect and engineer. Minimum 1 set of 6 per 100 cubic yards or a days prior.
 - E9. Governing Documents: Construction and Maintenance Manual For Post-Tensioned Slab-on-Ground Foundations (Latest Edition) Post Tension Institute 38800 Country Club Drive Farmington Hills, MI 48331 (248) 948-3180 www.post-tensioning.org



REFER TO ANCHOR BOLT PLANS FOR SIZE AND CHART FOR EMBEDMENT LENGTH

BID ALTERNATE #2
 P.T. SLAB AREA = 12695.25 sq. ft.
DO NOT USE THIS PLAN TO SET FORMS!

NOTE:
 TENDON ID'S, ELONGATION TO BE PROVIDED BY TENSION SUPPLIER

- NOTE:
 MINIMUM ANCHOR ROD EMBEDMENT LENGTH
 1-1/4" DIA - 20"
 1" DIA - 18"
 3/4" DIA - 16"
 5/8" DIA - 8"
 1/2" DIA - 6"

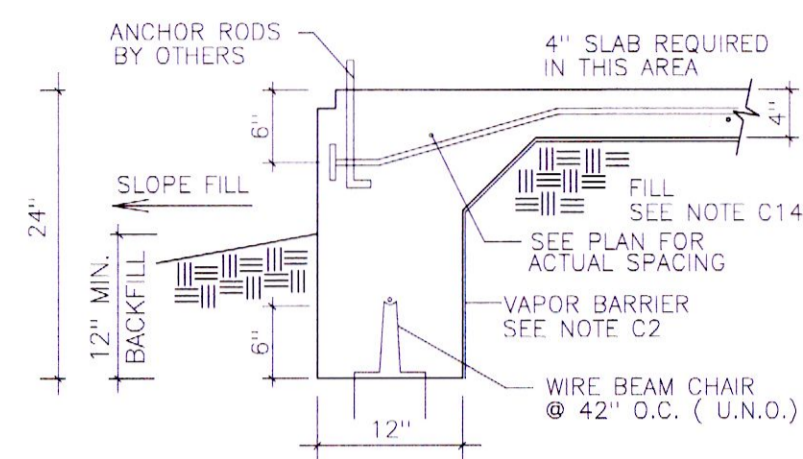
THIS PLAN IS FOR STRUCTURAL REQUIREMENTS ONLY. ARCHITECTURAL DETAILS, SURFACE REQUIREMENTS AND COMPLIANCE WITH A.D.A. REGULATIONS ARE SPECIFICALLY OMITTED FROM THIS PLAN. THE COORDINATION OF, AND RESPONSIBILITY FOR SUCH REQUIREMENTS IS THE RESPONSIBILITY OF OTHERS.

THIS FOUNDATION DESIGN IS BASED ON THE SUBMITTED DRAWINGS BY:
 ARCHITECT: JOSEPH F. SCHNEIDER, JR., AIA
 DATE: 10/20/2023
 REVISION: N/A
 CONTRACTOR SHALL REVIEW THESE DRAWINGS AND DIMENSIONS CONFIRMING THAT THEY MATCH ARCHITECTURAL DRAWINGS PRIOR TO PLACING ORDER FOR TENDONS.

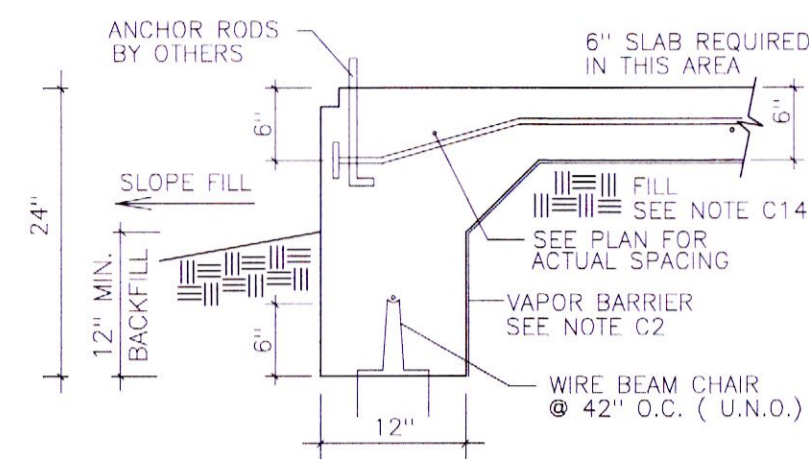
NOTE:
 IT IS THE RESPONSIBILITY OF THE BUILDER TO PROVIDE GOOD DRAINAGE AWAY FROM THE FOUNDATION FROM THE TIME FORMS ARE SET UNTIL THE CONSTRUCTION OF THE BUILDING IS COMPLETE. GOOD DRAINAGE MUST BE MAINTAINED FOR THE DURATION OF THE BUILDING.

THESE DRAWINGS HAVE BEEN CHECKED TO INSURE A REASONABLE AND NORMALLY ACCEPTABLE DEGREE OF ACCURACY. HOWEVER, THE CONTRACTOR IS RESPONSIBLE FOR VERIFYING ALL DIMENSIONS, DETAILS, AND CODE REQUIREMENTS OF THESE PLANS AND SPECIFICATIONS PRIOR TO THE START OF WORK.

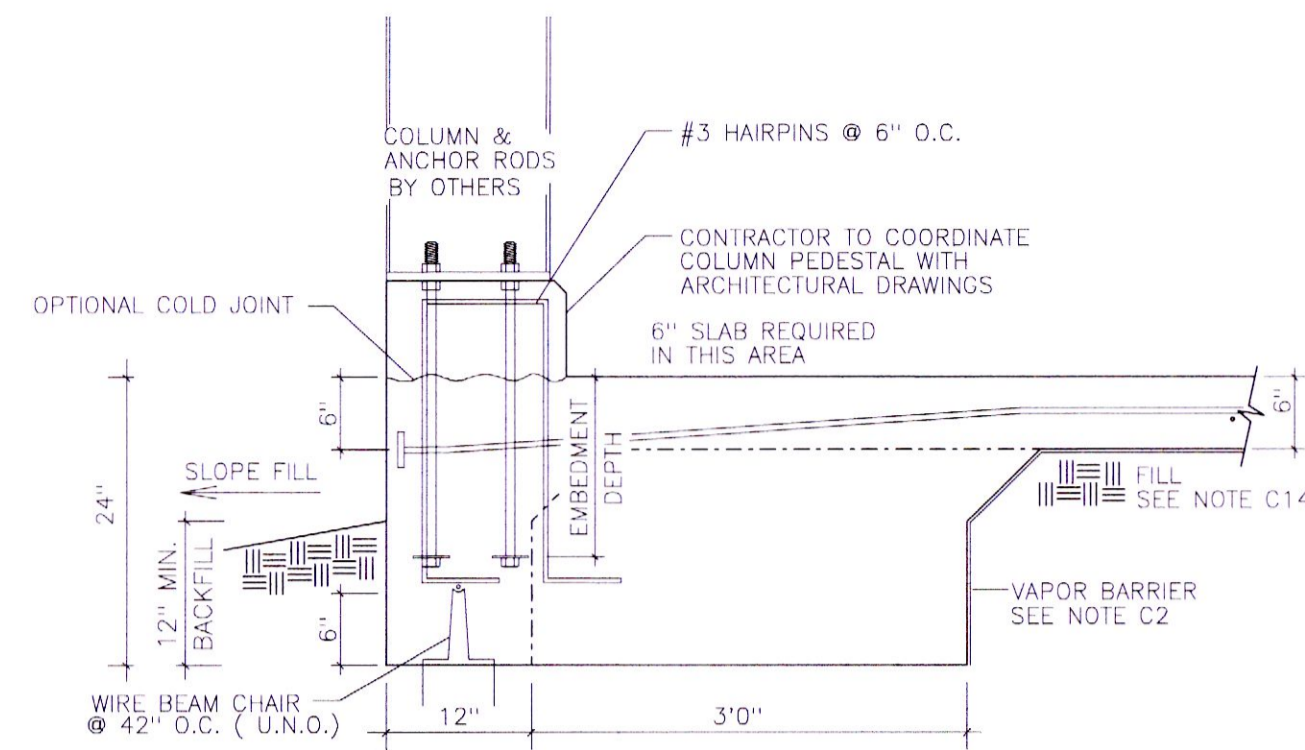
REVIEWED FOR STATE FIRE MARSHAL AS PER REVIEW LETTER BY WILLIAM D. JONES, ARCHITECT, CBC



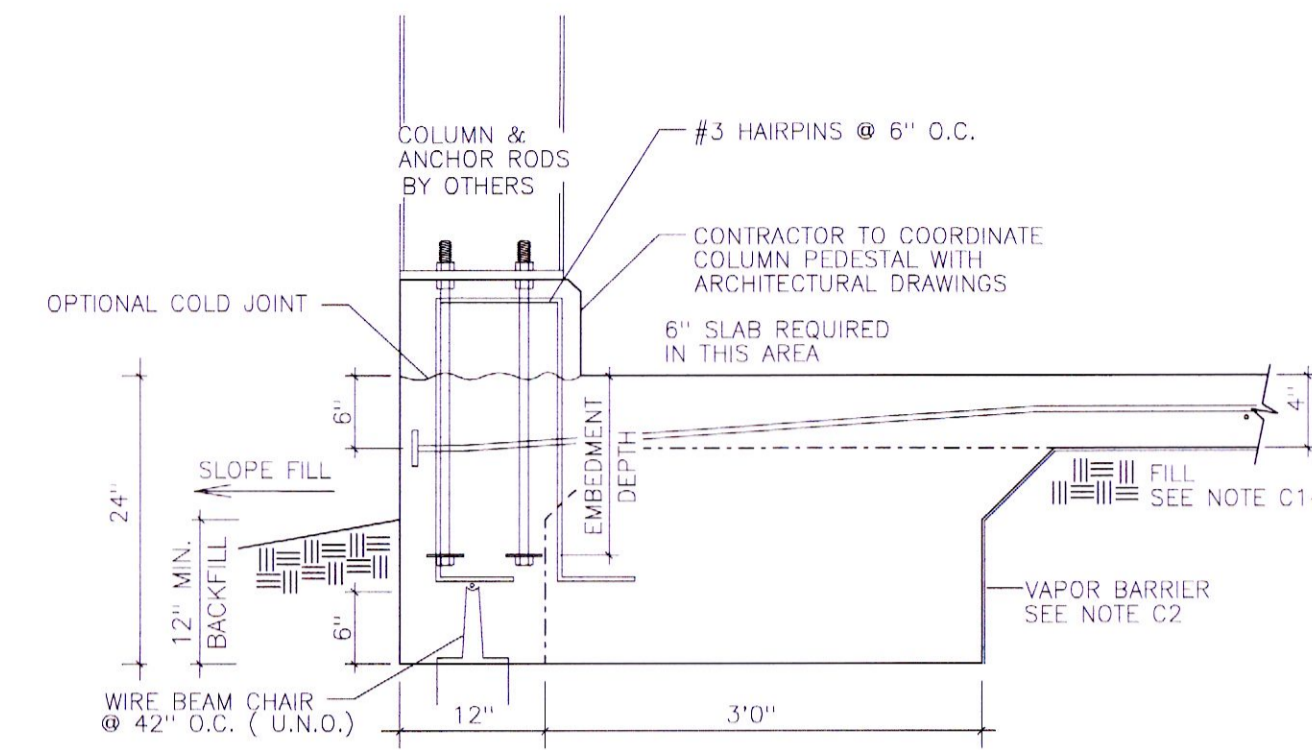
SECTION A



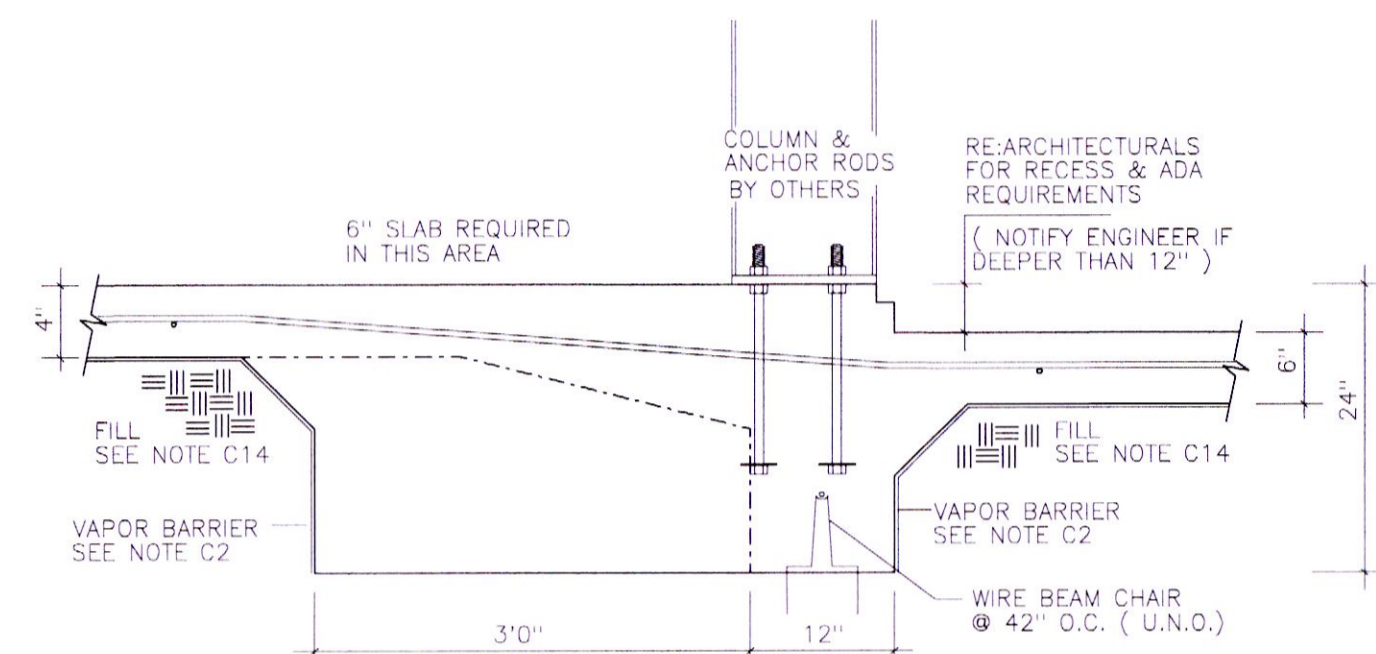
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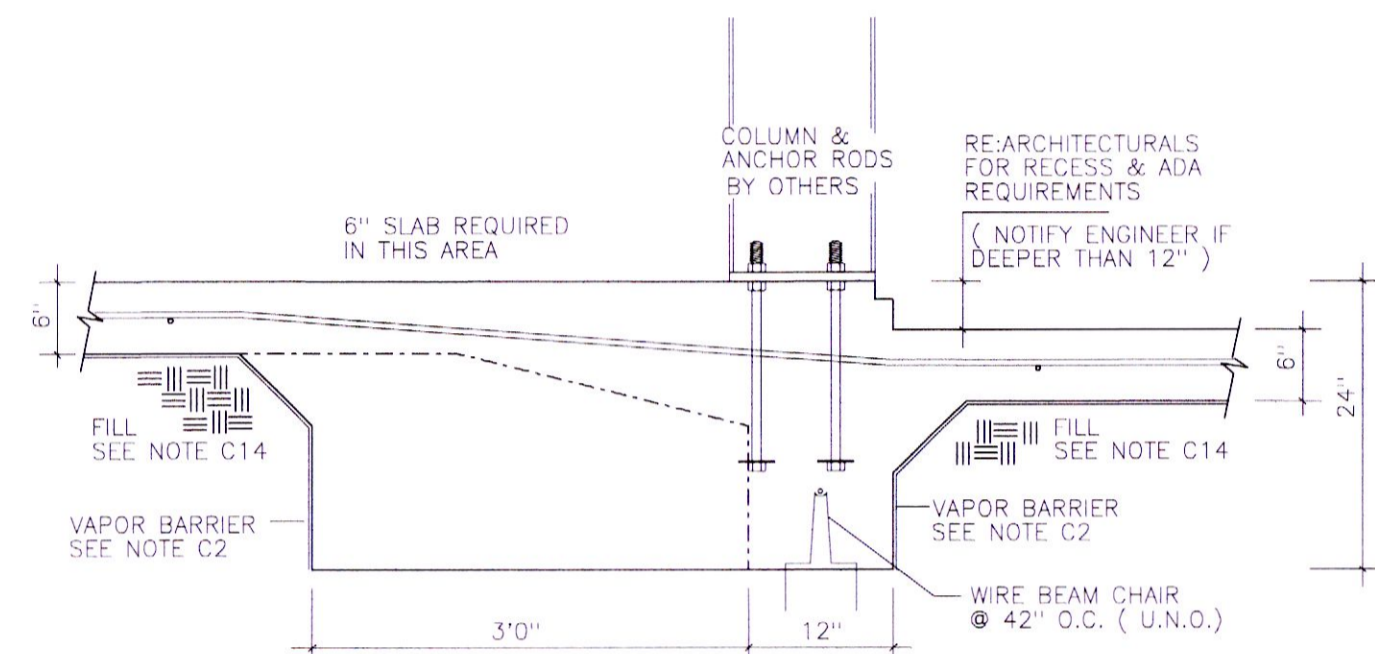
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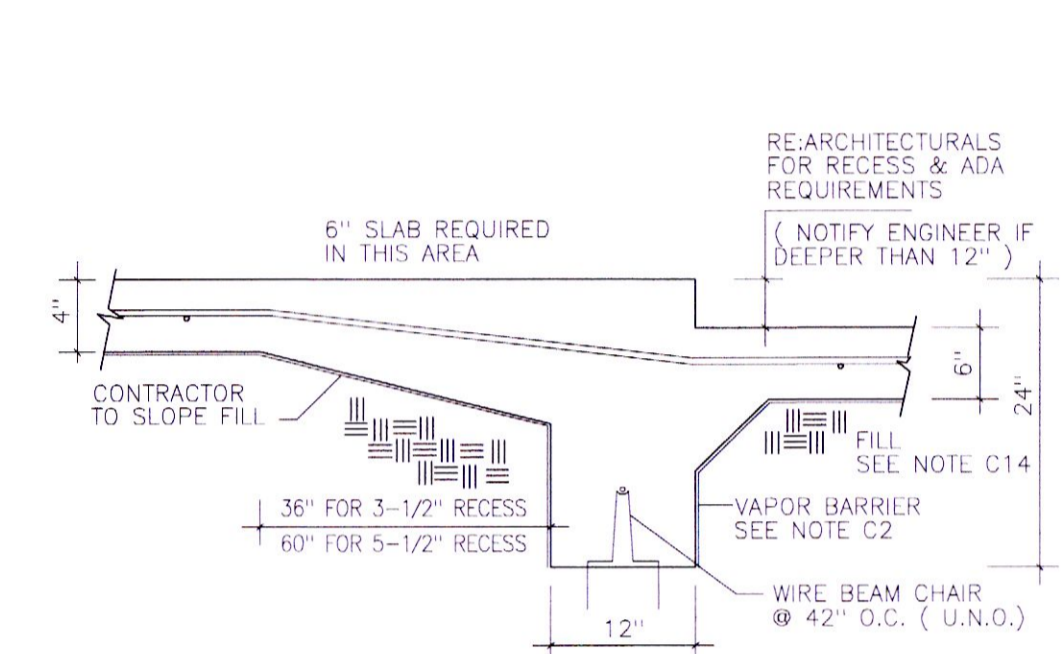
SECTION D



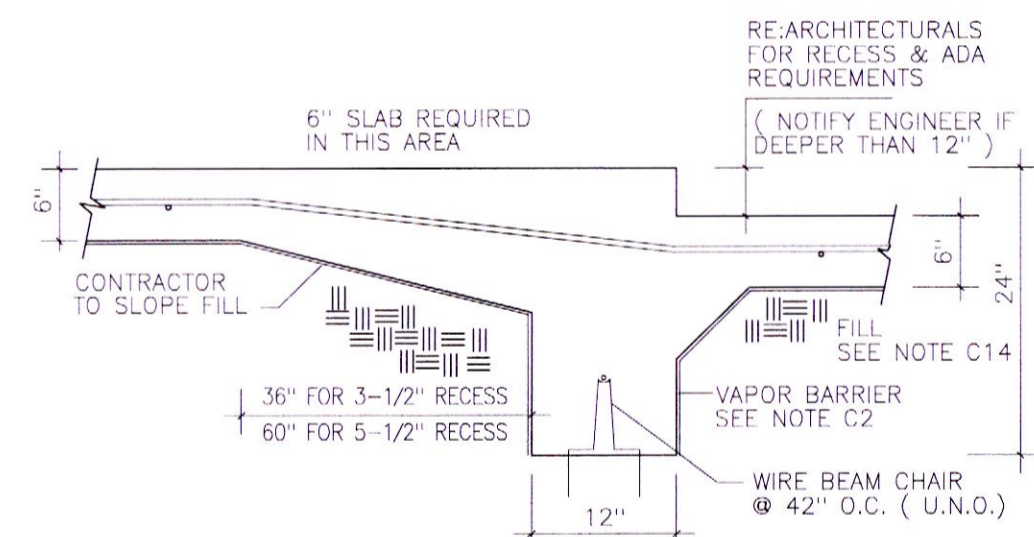
SECTION E



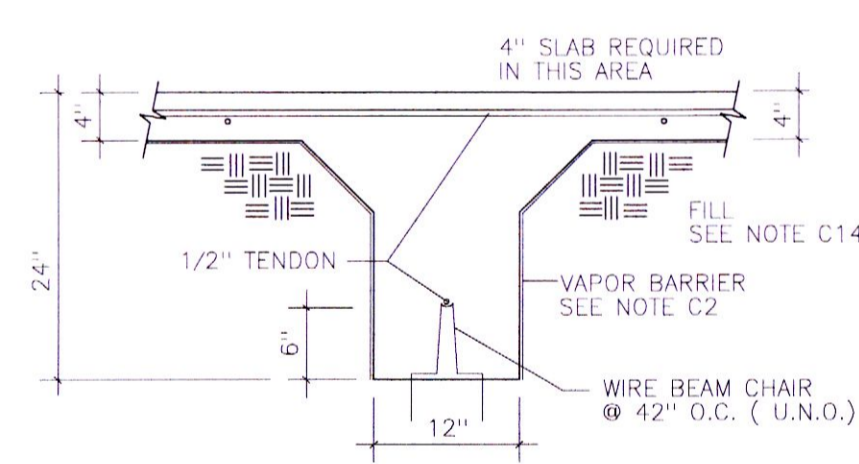
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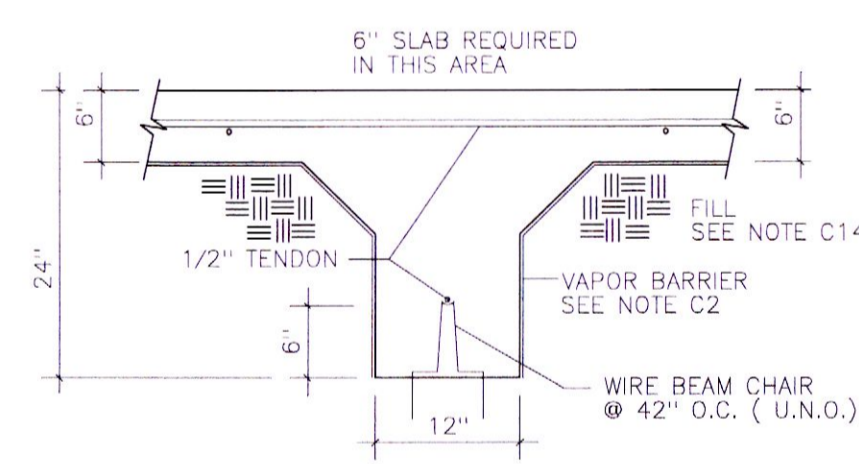
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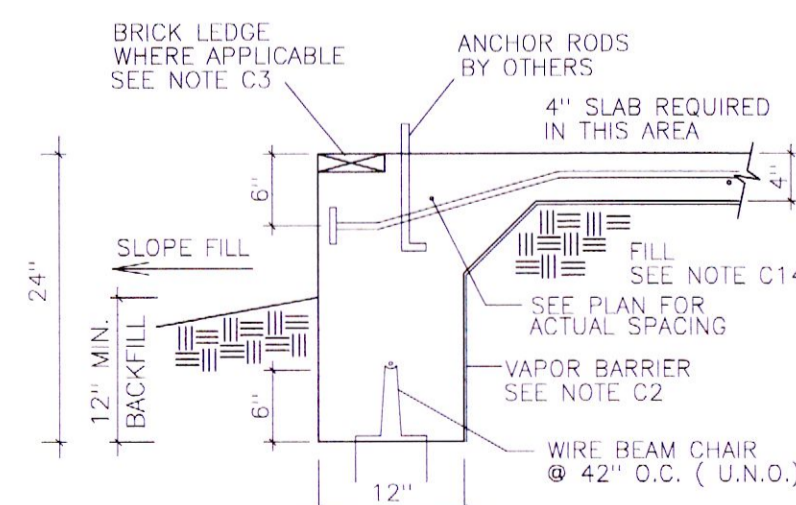
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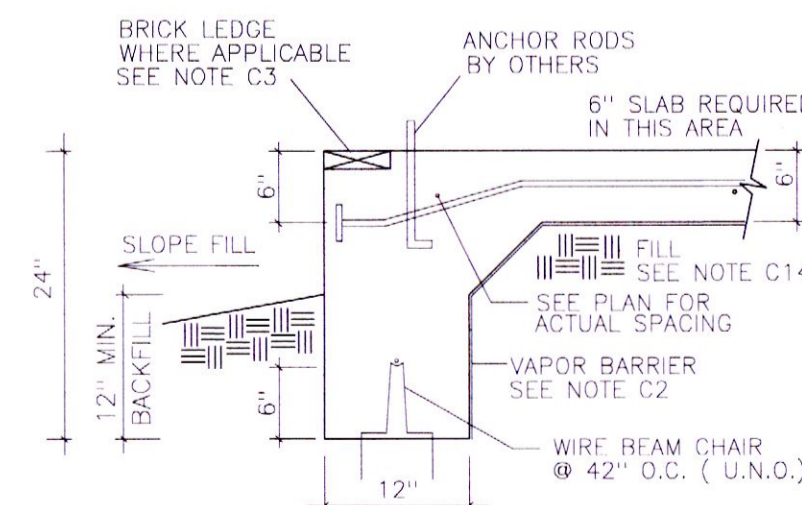
SECTION J



SECTION K

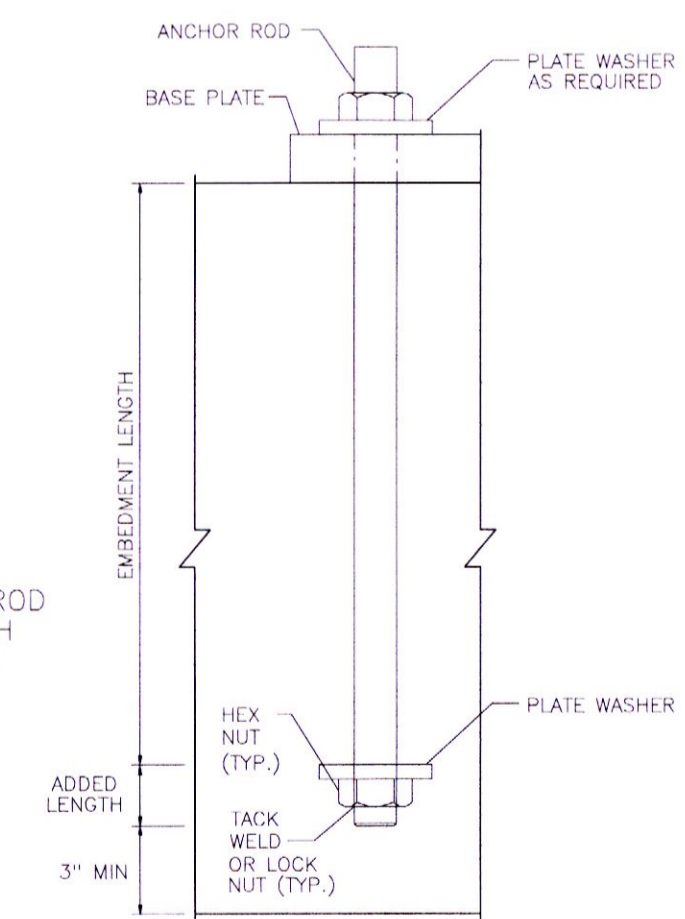


SECTION L



SECTION M

NOTE:
 MINIMUM ANCHOR ROD
 EMBEDMENT LENGTH
 1 - 1/4" DIA - 20"
 1" DIA - 18"
 3/4" DIA - 16"
 5/8" DIA - 8"
 1/2" DIA - 6"



TYPICAL ANCHOR ROD DETAIL
 REFER TO ANCHOR BOLT PLANS
 FOR SIZE AND CHART FOR EMBEDMENT LENGTH



THIS PLAN IS ONLY VALID ONE YEAR FROM DATE ON PLAN

ACADIAN STRUCTURAL SOLUTIONS, INC.
 57362 ALLEN RD, SLIDELL, LA. 70461
 PHONE (985) 641-5794 FAX (985) 641-1239
 PLANS@ACADIANS.COM

NEW FIRE STATION #13A
 ST. TAMMANY FIRE DISTRICT #13
 COVINGTON, LOUISIANA
 JOSEPH F. SCHNEIDER JR., AIA
 SLIDELL, LOUISIANA

SCALE: N.T.S.
 DATE: 8 APR 24
 DRAWN BY: EPH
 CHKD BY: HN
 ASS PROJECT #: 296-24

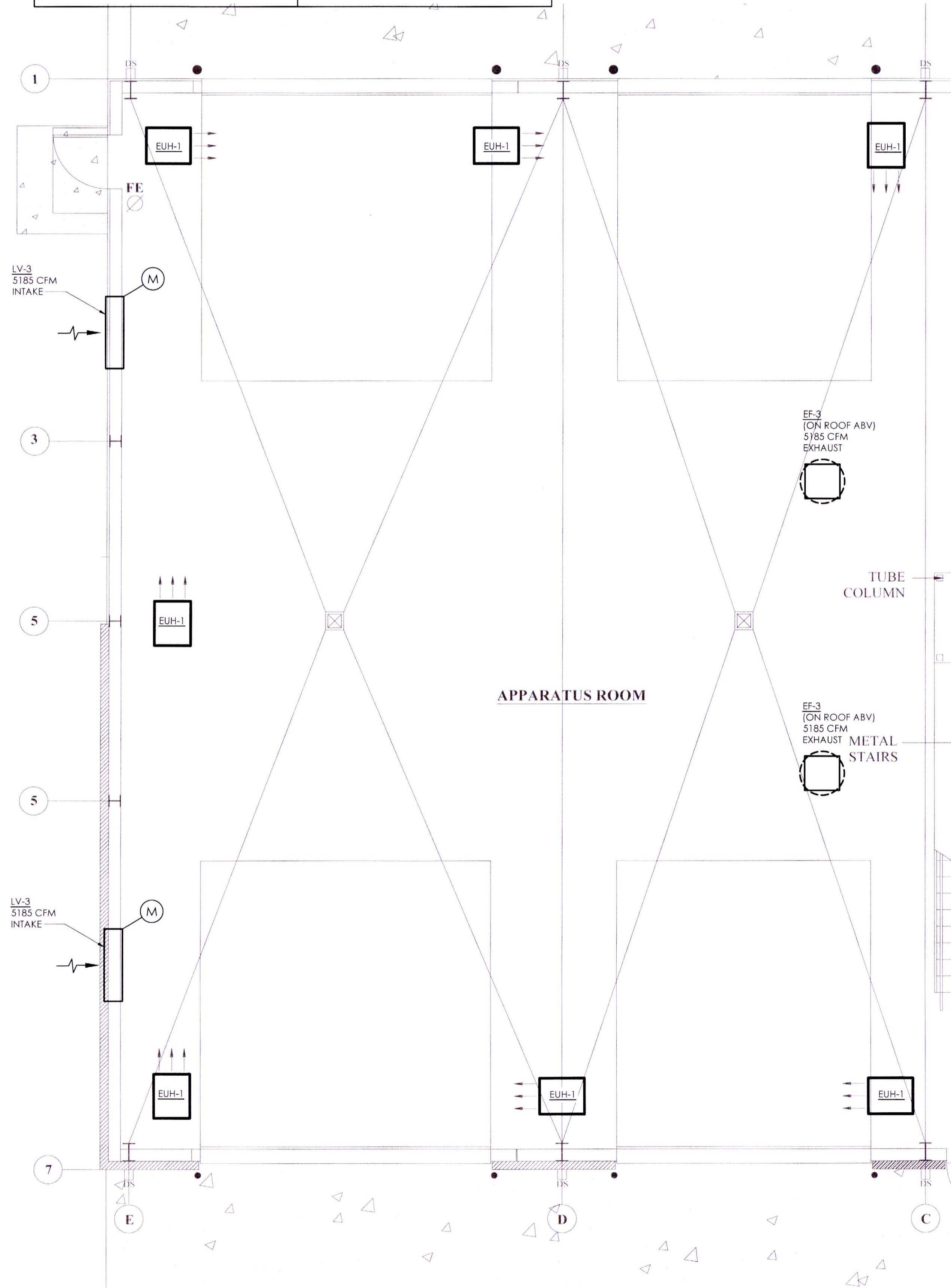
REVISIONS	GENERAL COMMENTS

DATE
 25 APR 24

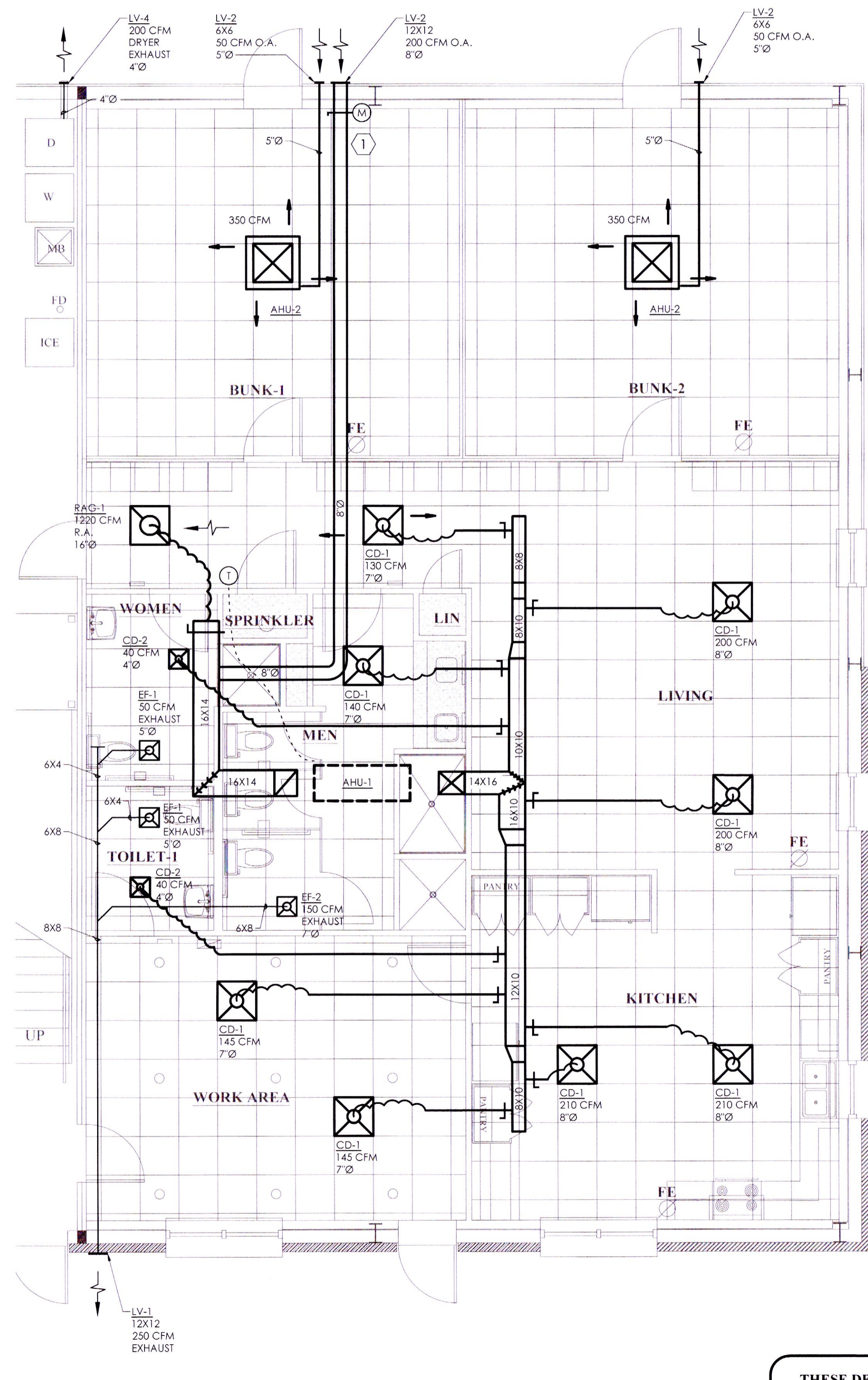
SHEET
 PT-4
 OF
 PT-4

REVIEWED FOR
 STATE FIRE MARSHAL
 AS PER REVIEW LETTER
 BY WILLIAM D. JONES, ASPECT, CBO
William D. Jones

HVAC LEGEND			
	SUPPLY REGISTER		RECTANGULAR-TO-ROUND TRANSITION
	SUPPLY DIFFUSER		TURNING VANES
	RETURN OPENING/GRILLE		EXISTING DUCT
	EXHAUST GRILL		SLOT DIFFUSER
	MANUAL VOLUME DAMPER		FLEX DUCT
	THERMOSTAT		BOTTOM OF DUCT
	SMOKE DETECTOR		MOTORIZED DAMPER
	FIRE DAMPER		



1 M1 MECHANICAL APPARATUS BAY PLAN
1/4" = 1'-0"



2 M1 MECHANICAL GROUND FLOOR PLAN
1/4" = 1'-0"

GENERAL MECHANICAL NOTES:

- SUBCONTRACTOR SHALL VISIT THE SITE AND BECOME FAMILIAR WITH THE PROJECT SCOPE AND CONSTRAINTS, UTILITY CONNECTIONS, AND ALL BUILDING SERVICES, PRIOR TO SUBMITTING BID.
- ALL DUCTWORK SHALL CONFORM TO THE MATERIALS AND CONSTRUCTION METHODS OF THE LATEST EDITION OF SMACNA, "HVAC SYSTEMS, DUCT DESIGN" AND TO THOSE REQUIREMENTS AS PRESCRIBED IN DIVISION 15 OF THE SPECIFICATIONS.
- ALL DUCTWORK SIZES SHOWN ARE INSIDE CLEAR DIMENSIONS IN INCHES. REFER TO DIVISION 15 OF THE SPECIFICATIONS FOR INSULATION REQUIREMENTS.
- MAJOR EQUIPMENT SHOWN ON THE PLANS AND ELEVATIONS ILLUSTRATE THE GENERAL ARRANGEMENT AND SPACE ALLOCATIONS. THE SUBCONTRACTOR SHALL VERIFY THE SPACE REQUIREMENTS FOR EACH SYSTEM COMPONENT USING MANUFACTURER'S CERTIFIED SHOP DRAWINGS AND MAKE THE NECESSARY ADJUSTMENTS IN EQUIPMENT PLACEMENT AND CONNECTION IN ORDER TO ACCOMMODATE THE EXACT EQUIPMENT TO BE INSTALLED.
- SUPPORTS, ANCHOR BOLTS, AND HANGERS FOR ALL EQUIPMENT SPECIFIED IN DIVISION 15 SHALL CONFORM TO THE SPECIFICATIONS. MISCELLANEOUS STEEL BRACING SUPPORTS AND REINFORCING STEEL NEEDED TO SUPPORT EQUIPMENT SPECIFIED IN DIVISION 15 SHALL BE FURNISHED AS PART OF SCOPE OF WORK OF DIVISION 15.
- FIRE DAMPERS SHALL BE INSTALLED IN ALL DUCTWORK PENETRATIONS THROUGH FIRE-RATED WALLS OR FLOORS. DAMPERS SHALL MEET THE REQUIREMENTS OF THE FIRE-RATED WALL AND SHALL BE "UL" LISTED. REFER TO ARCHITECTURAL DRAWINGS FOR THE LOCATIONS OF ALL FIRE-RATED WALLS OR FLOORS.
- CEILING DIFFUSERS, REGISTERS AND GRILLES' LOCATIONS ON MECHANICAL DRAWINGS ARE APPROXIMATE. DIFFUSERS, REGISTERS AND GRILLES SHALL BE FURNISHED WITH MOUNTING FRAMES AND FEATURES IN ACCORDANCE WITH THE CEILING OR WALL TYPE.
- SMOKE DETECTORS SHALL BE PROVIDED IN CONFORMANCE WITH NFPA, STANDARD MECHANICAL CODE, AND ALL OTHER REQUIREMENTS OF THE AUTHORITIES HAVING JURISDICTION.
- REFRIGERANT PIPING CONNECTIONS TO AIR HANDLING UNIT COILS AND MAJOR EQUIPMENT SHALL BE FABRICATED WITH ISOLATION VALVES, FLANGES, AND/OR UNIONS POSITIONED TO ALLOW REMOVAL AND SERVICE OF THE COMPONENT PARTS.
- SUBCONTRACTOR SHALL COORDINATE WITH ARCHITECT PRIOR TO CUTTING ANY OPENING IN THE STRUCTURE.
- COORDINATE ANY DEVICE REQUIRING AN ACCESS PANEL WITH THE ARCHITECT. PROVIDE ACCESS PANELS IN DUCTWORK AT ALL DEVICES REQUIRING MAINTENANCE AND/OR INSPECTION (I.E. DAMPERS, FANS, ETC.) PER SMACNA STANDARDS.
- ALL PENETRATIONS THROUGH RATED WALLS, FLOORS, AND PARTITIONS MUST BE INSTALLED AND FIRESAFED TO MEET UL FIRE RESISTANCE LISTING DETAILS FOR THE PENETRATION.
- OUTSIDE AIR INTAKES SHALL BE MINIMUM 10 FEET FROM EXHAUST FAN OUTLETS AND PLUMBING VENTS THROUGH ROOF.
- SUBCONTRACTOR SHALL PROVIDE ALL UNI-DIRECTIONAL SUPPLY AIR AND RETURN AIR DUCT ELBOWS WITH TURNING VANES.
- SUBCONTRACTOR SHALL VERIFY CLEARANCE REQUIREMENTS AND ROUTING OF DUCTWORK BEFORE FABRICATION BEGINS. AS DUCT RISES AND DROPS MAY BE NECESSARY DUE TO FIELD CONDITIONS.
- DRAWINGS ARE SCHEMATIC IN NATURE AND SHALL NOT BE SCALED. THE SUBCONTRACTOR IS RESPONSIBLE FOR COORDINATING EXACT ROUTING OF ALL SERVICES WITH SITE CONDITIONS AND WITH WORK OF ALL OTHER TRADES.

NOTES:

- 1 8"Ø OUTSIDE AIR DUCT TO EXTERIOR WALL. PROVIDE TRANSITION FROM ROUND OUTSIDE AIR DUCT TO RECTANGULAR AT RETURN AIR DUCT. PROVIDE MOTORIZED DAMPER.

REVIEWED FOR STATE FIRE MARSHAL AS PER REVIEW LETTER BY: WILLIAM D. JONES, ARCHITECT, CBO
William D. Jones

R&A Rabenstein and Associates, LLC
CONSULTING ENGINEERS
122 Woodbridge Ct. Madisonville, La. 70471 (985) 264-4031
mechanical plumbing fire protection

THESE DESIGN AND CONSTRUCTION DOCUMENTS AT THE SOLE PROPERTY OF JOSEPH F. SCHNEIDER, JR. AIA, ARCHITECT. NO USE OR REPRODUCTION OF THESE DOCUMENTS OR PARTIAL USE OR PARTIAL REPRODUCTION IS ALLOWED. NO USE OF THESE DRAWINGS WITHOUT THE WRITTEN EXPRESSED PERMISSION OF JOSEPH F. SCHNEIDER, JR. ARCHITECT IS ALLOWED.

REVISIONS	BY



NEW FIRE FIRE STATION NO. 134 FOR
ST. TAMMANY FIRE DISTRICT NO. 13
475 LEEWARD LOOP ST. TAMMANY PARISH
COVINGTON, LOUISIANA 70433

JOSEPH F. SCHNEIDER JR., AIA
ARCHITECT
L.A. #4206 MS #3020 AL #8724 FL #AR5908 TX #24294
105 EVANGELINE DRIVE, SLIDEL, LA, LOUISIANA 70460
(985) 847-0714 jfsarchitect@charter.net

DRAWN G. CWIK
CHECKED C. RABENSTEINER
DATE 01/20/2024
SCALE AS NOTED
JOB NO.

SHEET M-1 OF SHEETS

AIR HANDLING UNIT SCHEDULE																			
TAG NO.	SERVING	NOM. CFM	O.A. CFM	AMBIENT AIR °F DB/WB	TONS COOLING	EVAPORATOR COIL				EXT. S.P. IN. H2O	ELEC. HEATING		FAN HP	MCA	MOCP	VOLTS/PH/HZ	WEIGHT LBS.	MFGR-MODEL	NOTES
						SENSIBLE BTU/HR	TOTAL BTU/HR	ENT DB °F	ENT WB °F		KW	STEPS							
AHU-1	COMMON LIVING QUARTERS	1410	200	85.7/75.5	4.0	34,860	44,650	78.0	63.0	1.0	5	3	0.75	33.5	35	230/1/60	207	CARRIER FE4ANB004L00	1, 2, 3, 4, 5, 6
AHU-2	DORMITORIES (CEILING CASSETTES)	350	50	85.7/75.5	1.0	5,400	10,406	78.0	65.0	-	(7.659 BTU/H)	-	-	-	-	230/1/60	45	CARRIER DLFSCAH18XAK	1, 2, 3, 4, 5, 6, 7, 8
AHU-3	DATA ROOM	1000	-	85.7/75.5	2.0	17,600	22,700	75.0	62.5	0.3	-	-	3.3	15	115/1/60	114	ABOVEAIR WCH-007S10000ECB0	1, 2, 3, 4, 5, 6, 7, 8	

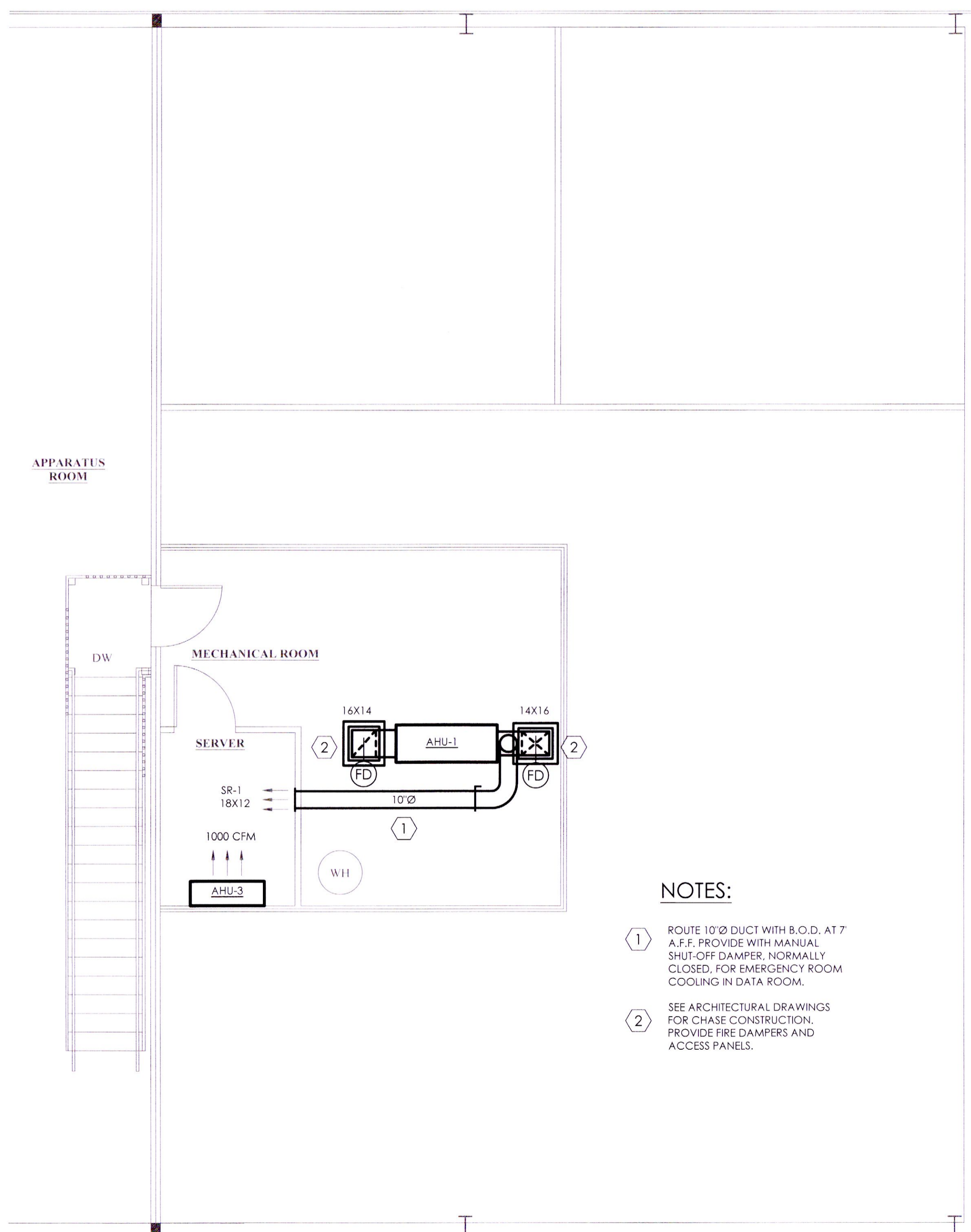
NOTES:

- PROVIDE FIELD-INSTALLED LIQUID AND SUCTION REFRIGERANT PIPING. LINE SETS ARE NOT ALLOWED. EXTERIOR REFRIGERANT PIPING SHALL BE KEPT TO A MINIMUM. INSULATE THE SUCTION LINES WITH 1" THICK CLOSED CELL ELASTOMERIC INSULATION INSTALLED PER THE MANUFACTURER'S RECOMMENDATION. PROTECT EXTERIOR INSULATION WITH TWO COATS OF PAINT PER THE MANUFACTURER'S RECOMMENDATION. INSULATE LIQUID LINES WHICH ARE ROUTED VERTICALLY THROUGH WALLS WITH 1/2" THICK CLOSED CELL ELASTOMERIC INSULATION FOR NOISE SUPPRESSION.
- INSTALL ALL HVAC EQUIPMENT AS REQUIRED BY THE MANUFACTURER, THEIR AGENT AND ASSOCIATED INSTALLATION MANUALS. PROVIDE OWNER WITH ANY REQUIRED COMMISSIONING AND START-UP ASSISTANCE.
- AIR HANDLING UNITS SHALL BE ARI-RATED AND MEET OR EXCEED ALL ANSI, ASTM, AND ASHRAE REQUIREMENTS. PROVIDE APPROPRIATE EXPANSION VALVES FOR R410-A REFRIGERANT. DUCTED UNITS SHALL HAVE CLEANABLE 1.5 PCF FOIL-FACED INSULATION, I.A.Q.-COMPLIANT CONDENSATE DRAIN PAN, EMERGENCY CONDENSATE DRAIN PAN, DIRECT DRIVE FANS WITH HIGH EFFICIENCY MOTOR, AND 7-DAY PROGRAMMABLE MULTI-STAGE THERMOSTAT. THERMOSTAT SETPOINT(S) TO BE REMOTELY CONTROLLED BY OWNER.
- AIR HANDLERS AND AIR-COOLED CONDENSING UNITS SHALL BE HIGH EFFICIENCY TYPE WITH A COMBINED MINIMUM SEER RATING OF 19.0.
- COOLING COILS SHALL HAVE A MAXIMUM FACE VELOCITY OF 550 FPM.
- PROVIDE CONDENSATE TRAPS AS DETAILED AND IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS.
- INDOOR UNITS POWERED BY OUTDOOR UNIT.
- PROVIDE CONDENSATE PUMPS. ROUTE TO NEAREST PLUMBING VENT, WITH TRAP. INSULATE CONDENSATE DRAINS.

CONDENSING UNIT SCHEDULE											
TAG NO.	SERVING	TONS COOLING	TOTAL BTU/HR	AMBIENT AIR DB °F	NUMBER OF REFRIGERANT CIRCUITS	MCA	MOCP	VOLTS/PH/HZ	WEIGHT LBS.	MFGR-MODEL	NOTES
CU-1	COMMON LIVING QUARTERS	4.0	44,650	95	(VARIABLE SPD)	27.4	40	208-230/1/60	216	CARRIER 24VNA948A003	1
CU-2	DORMITORIES	2.0	24,000	95	(VARIABLE SPD)	24.5	30	208-230/1/60	140	CARRIER 38MGHBQ24CA3	1
CU-3	DATA ROOM	2.0	35,800	95	1	14.7	25	208-230/1/60	130	ABOVEAIR XPU-007S1AAVF11	1

NOTES:

- PROVIDE LOCAL FUSED DISCONNECT SWITCH.



1 MECHANICAL ATTIC FLOOR PLAN
M2 1/4" = 1'-0"

EXHAUST AND SUPPLY FAN SCHEDULE										
UNIT NO.	SERVING	CFM	RPM	EXT. S.P. IN H2O	HP/(WATTS)	VOLTS/PH/HZ	TYPE	MFGR-MODEL	WEIGHT LBS.	NOTES
EF-1	TOILET ROOMS	50	790	0.25	(15.6)	120/1/60	CEILING MOUNT	GREENHECK SP-A70	12	1
EF-2	SHOWER ROOM	150	1000	0.625	(67)	120/1/60	CEILING MOUNT	GREENHECK SP-A250	24	1
EF-3	APPARATUS BAY	5185	960	0.125	1.0	208/3/60	ROOF UPBLAST	GREENHECK CUBE-200	142	2, 3

NOTES:

- PROVIDE BACKDRAFT DAMPERS UPSTREAM OF EACH TRUNK DUCT POINT OF ENTRY. PROVIDE SWITCHING INDEPENDENT OF LIGHTING CIRCUITS.
- WITH BIRDSCREEN AT INLET AND OUTLET.
- INTERLOCK CONTROLS SUCH THAT EXHAUST FANS ARE ENERGIZED AFTER LOUVER-DAMPERS ARE PROVEN OPEN.

GRILLE, REGISTER & DIFFUSER SCHEDULE			
MARK	SIZE	MFGR-MODEL	NOTES
CD-1	24 X 24	METALAIRE SERIES 5800AL, SQUARE FACE DIFFUSER, ALUMINUM, COLOR/FINISH PER ARCHITECT/OWNER	1
CD-2	12 X 12	METALAIRE SERIES 5800AL, SQUARE FACE DIFFUSER, ALUMINUM, COLOR/FINISH PER ARCHITECT/OWNER	1
SR-1	18 X 12	METALAIRE SERIES 4000AF, SUPPLY REGISTER, ALUMINUM, COLOR/FINISH PER ARCHITECT/OWNER	1
RG-1	24 X 24	METALAIRE SERIES CC, CEILING RETURN GRILLE, ALUMINUM, COLOR/FINISH PER ARCHITECT/OWNER	1
LV-1	12 X 12	GREENHECK TYPE ECD, STATIONARY LOUVER, ALUMINUM, COLOR/FINISH PER ARCHITECT/OWNER	2
LV-2	4"Ø	SEIHO FRESH AIR INTAKE, MODEL SX-S, STAINLESS STEEL INTAKE CAP WITH INSECT SCREEN	-
LV-3	48 X 48	GREENHECK TYPE ECD, COMBINATION LOUVER-DAMPER, ALUMINUM, COLOR/FINISH PER ARCHITECT/OWNER	2, 3
LV-4	4"Ø	SEIHO DRYER VENT, MODEL SFB, CLEAR ANODIZED ALUMINUM	-

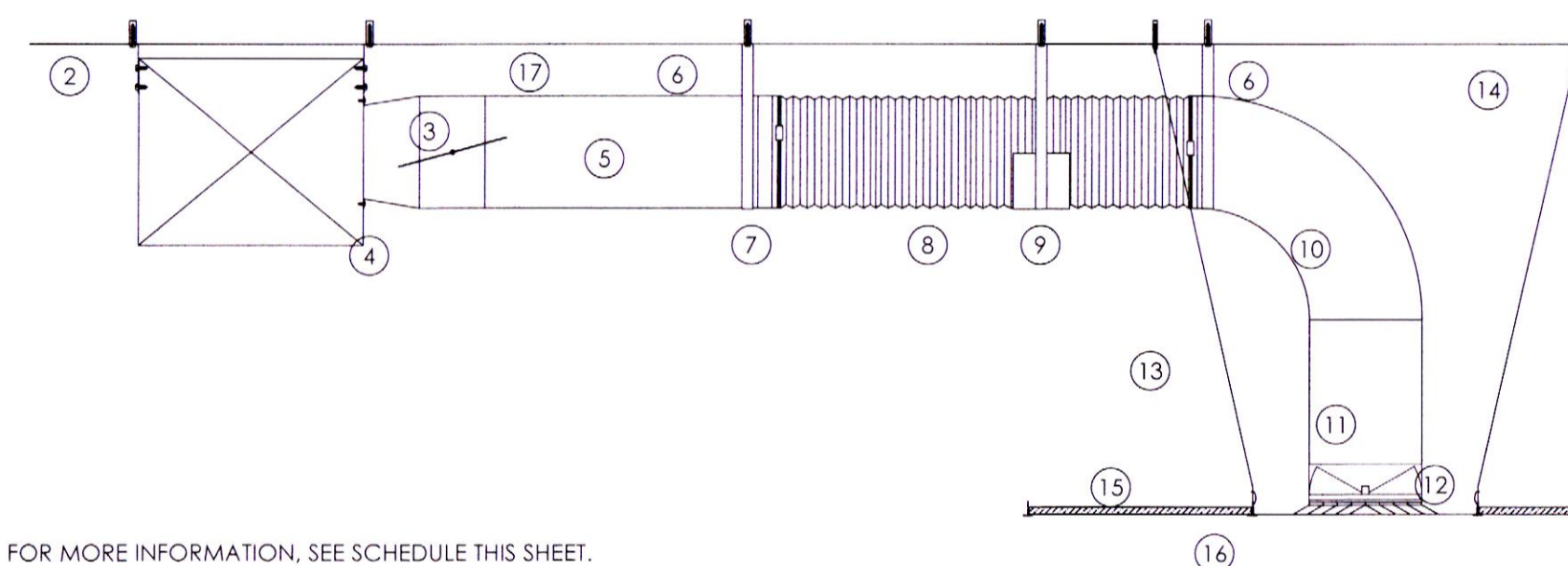
NOTES:

- SHEET METAL CONTRACTOR TO INSTALL PRE-INSULATED BOX (1 1/2" THK.) WITH TRANSITION TO REQUIRED DUCT SIZE IN FINISHED AND LAY-IN CEILINGS.
- PROVIDE BIRDSCREEN.
- PROVIDE DAMPER ACTUATOR WITH LIMIT SWITCH. INTERLOCK CONTROLS SO THAT DAMPER IS OPEN BEFORE FANS (EF-3) ARE ENERGIZED.

ELECTRIC UNIT HEATER SCHEDULE											
MARK	LOCATION	CFM	EAT (°F)	LAT (°F)	THROW (FT)	ELECTRICAL DATA			WEIGHT (LB)	MANUFACTURER/MODEL	REMARKS
						VOLTS/PH/HZ	FLA	MOCP			
EUH-1	APPARATUS BAY	479	50	83	16	208-230/3/60	13	25	50	REZNOR EUH-5	1

NOTES:

- PROVIDE FACTORY MOUNTING KIT. BOTTOM OF HEATER TO BE 8'-0" A.F.F.



FOR MORE INFORMATION, SEE SCHEDULE THIS SHEET.

THIS DETAIL SHOWS TYPICAL AIR DEVICE INSTALLATIONS.

SIZE THE RUNOUT TO THE AIR DEVICE THE SAME SIZE AS THE AIR DEVICE INLET AND RUN USING ROUND SPIRAL LOCK SEAM GALVANIZED DUCT AND FLEXIBLE DUCT, AS SHOWN.

NORMALLY RUN HORIZONTAL DUCTWORK HIGH AS POSSIBLE, TIGHT TO BOTTOM OF BUILDING STRUCTURE.

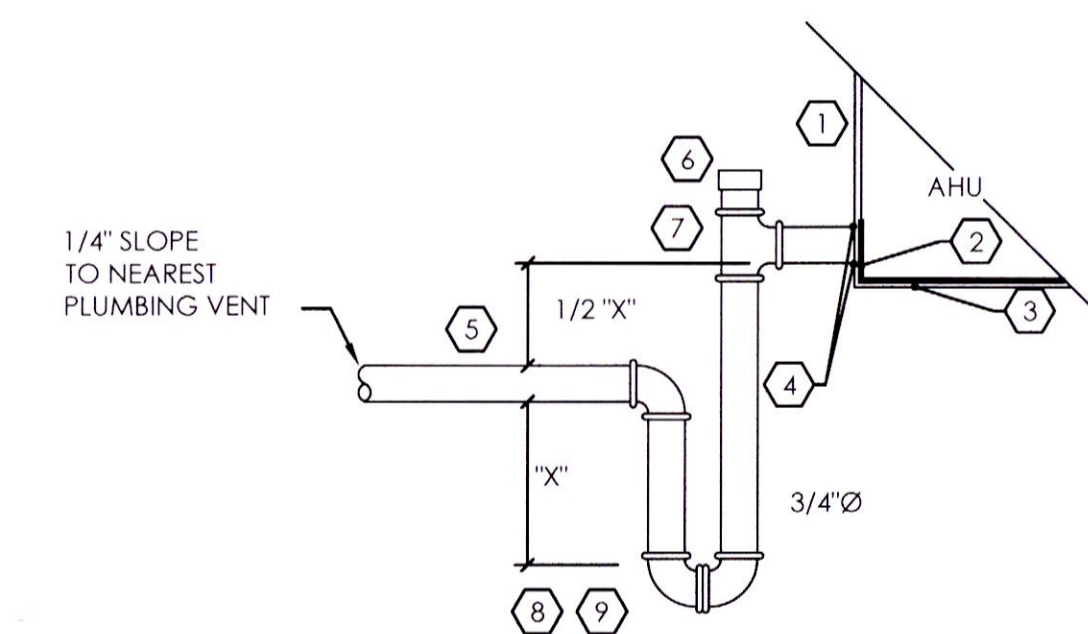
DUCT EXTERNAL AND DIFFUSER BACK PAN INSULATION AND DUCT LINING NOT SHOWN FOR CLARITY. SEE THE SPECIFICATIONS FOR DUCT INSULATION AND LINING REQUIREMENTS.

NOT ALL DUCT SUPPORTS SHOWN. PROVIDE ALL DUCT SUPPORTS SIZED AND AS REQUIRED BY SMACNA AND AS SHOWN HEREIN.

AT ALL ANCHOR POINTS TO BUILDING STRUCTURE, PROVIDE ANCHORS AS CONCRETE DRILL ANCHORS, BEAM CLAMPS, LAG SCREWS, ETC. OR AS SPECIFIED BY THE ARCHITECT. POWDER ACTUATED ANCHORS NOT ACCEPTABLE FOR WORK IN EXISTING BUILDINGS.

- MAIN, OR BRANCH DUCT.
- STRAP DUCT HANGERS, TYPICAL. INSTALL AS REQUIRED BY SMACNA. ANCHOR FROM BUILDING STRUCTURE.
- SIDE TAKEOFF FITTING WITH DAMPER. FITTINGS SHALL HAVE SMACNA 45 DEGREE BRANCH TAKEOFF ENTRANCES. ALLOW MOUNTING TO RECTANGULAR DUCT THE SAME HEIGHT AS THE ROUND DUCT CONNECTION WITH MOUNTING FLANGE. USE OF SPIN-INS NOT ACCEPTABLE.
- SCREW SIDE TAKEOFF FITTING TO DUCT AT EACH CORNER AND SIX INCH ON CENTER. SEAL SIDE TAKEOFF FITTING TO DUCT AIR TIGHT USING ADHESIVE GASKET AND HIGH PRESSURE DUCT SEALER. EXTERNALLY INSULATE SIDE TAKE OFF FITTING.
- ROUND EXTERNALLY INSULATED GALVANIZED SHEET METAL DUCT WITH SPIRAL LOCK SEAMS (HARD DUCT). USE LONG RADIUS ELBOWS AT EACH CHANGE OF DIRECTION. LIMIT THE TOTAL ANGLE OF THE CHANGES IN DIRECTION TO A MAXIMUM OF 180 DEGREES.
- IN ADDITION TO THE NORMAL ROUND DUCT SUPPORTS AS REQUIRED BY SMACNA, PROVIDE DUCT STRAP HANGERS ON EACH SIDE OF THE FLEXIBLE DUCT.
- MAKE ALL FLEXIBLE DUCT CONNECTIONS TO HARD DUCT USING STAINLESS STEEL SCREW CLAMPING BANDS AND SEAL AIR TIGHT WITH HIGH PRESSURE DUCT SEALER. SEAL FLEXIBLE DUCT VAPOR BARRIER TO HARD DUCT AND/OR ADJACENT INSULATION. NO EXPOSED FIBERGLASS SHALL BE VISIBLE.
- SIX (6) FOOT MAXIMUM SECTION OF FLEXIBLE DUCT WITH MINIMAL BENDS OR TURNS. LIMIT THE TOTAL ANGLE OF THE CHANGES IN DIRECTION TO A MAXIMUM OF 120 DEGREES.
- PROVIDE SIX-INCH LONG SADDLE SUPPORTS FOR FLEXIBLE DUCT AS REQUIRED TO PREVENT SAGGING AND AT CHANGES IN DIRECTION.
- HARD LONG RADIUS ELBOW - CONNECT TO VERTICAL DUCT OR AIR DEVICE NECK AS REQUIRED.
- HARD VERTICAL DUCT, LENGTH AS REQUIRED.
- AIR DEVICE - SUPPLY AIR DIFFUSERS, SEE AIR DEVICE SCHEDULE.
- AT THE FOUR CORNERS OF THE AIR DEVICE, SUPPORT THE LAY-IN CEILING GRID USING CEILING SUPPORT WIRE, ANCHORED TO BUILDING STRUCTURE.
- ANCHOR TO BUILDING STRUCTURE.
- LAY-IN CEILING.
- LAY-IN CEILING T-BARS.
- BUILDING STRUCTURE.

2 AIR DEVICE CONNECTION DETAIL
M2 1/4" = 1'-0"



- UNIT CASING WITH INSULATION
- UNIT PRIMARY DRAIN PAN
- DRAIN PAN INSULATION
- SEAL DRAIN LINE AIR TIGHT WITH NEOPRENE GROMMET OR SILICON CAULKING.
- PRIMARY DRAIN LINE MUST DROP 1/2 TIMES "X" BELOW PRIMARY DRAIN PAN BEFORE ANY HORIZONTAL RUN.
- CAPPED CLEANOUT CONNECTION
- PIPE TEE
- "X" IS DEPTH OF WATER SEAL AND SHALL BE EQUAL TO 1.5 TIMES THE UNITS TOTAL SYSTEM STATIC PRESSURE, REGARDLESS OF SYSTEM STATIC PRESSURE; "X" SHALL HAVE MINIMUM DEPTH OF 2".
- SLOPE ANY HORIZONTAL DRAIN LINES 1/4" PER FOOT TO DRAIN.

3 TYPICAL CONDENSATE TRAP DETAIL
M2 1/4" = 1'-0"

R&A Rabensteiner and Associates, LLC
CONSULTING ENGINEERS
122 Woodbridge Ct. Madisonville, La 70471 (985) 264-4031
mechanical plumbing fire protection

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REVISIONS	BY



NEW FIRE FIRE STATION NO. 134 FOR
ST. TAMMANY FIRE DISTRICT NO. 13
425 LEEWARD LOOP ST. TAMMANY PARISH
COVINGTON, LOUISIANA 70433

JOSEPH F. SCHNEIDER JR., AIA
ARCHITECT
L.A. #4206 MS #3020 AL #8724 FL #AR95908 TX #24294
105 EVANGELINE DRIVE, SLIDELL, LOUISIANA 70460
(985) 847-0714
jfsarchitect@charter.net

DRAWN G.CWIK
CHECKED C. RABENSTEINER
DATE 01/20/2024
SCALE AS NOTED
JOB NO.
SHEET M-2
OF SHEETS

DIVISION 15 SPECIFICATIONS

1. SCOPE:
PROVIDE ALL MATERIALS, LABOR, TOOLS AND INCIDENTALS NECESSARY TO INSTALL AND MAKE READY FOR OWNER'S USE COMPLETE SYSTEMS OF HEATING, VENTILATION, AIR CONDITIONING (HVAC) AND PLUMBING, FOR THE PROPOSED BUILDING CONSTRUCTION AS SHOWN ON THE DRAWINGS AND CALLED FOR IN THESE SPECIFICATIONS.

VISIT THE SITE TO OBTAIN DIMENSIONS, EXISTING EQUIPMENT LAYOUTS AND LOCATIONS AND EXISTING CONSTRUCTION DETAILS NOT SHOWN ON THESE DRAWINGS.

THE DIVISION 15 SCOPE OF WORK ENCOMPASSES THE HVAC AND PLUMBING FOR 425 LEEWARD LOOP, COVINGTON, LOUISIANA 70433.

DOCUMENTS PROVIDED FOR DIVISION 15 DETAIL THE MECHANICAL SYSTEMS WORK FOR ALL AREAS INCLUSIVE. THE WORK SPECIFIED APPLIES IN KIND TO THE PERFORMANCE OF WORK IN ALL AREAS. THESE DOCUMENTS DO NOT INDICATE, QUALIFY OR QUANTIFY ALL INSTALLATIONS OR COMPONENTS OF THE MECHANICAL SYSTEMS THROUGHOUT THE SITE, NOR IS IT THE INTENT TO DO SO.

THE CONTRACTOR IS RESPONSIBLE FOR COORDINATION WITH OTHER DIVISIONS OF WORK FOR THE FULL EXTENT OF THE SCOPE. THE WORK SPECIFIED APPLIES IN KIND TO THE SYSTEMS IN EACH AREA. DIFFERENCES IN ROUTING, INSTALLATION, QUANTITY, AND TYPE MAY OCCUR. IT IS THE CONTRACTOR'S RESPONSIBILITY TO FIELD VERIFY ALL ASPECTS, COMPONENTS, SYSTEMS, ETC. AND TO ACCOMMODATE THE DESIGN INTENT OF THE CONSTRUCTION DOCUMENTS THROUGHOUT THE PROJECT SCOPE.

THE DOCUMENTS DO CONTAIN THE APPROPRIATE INFORMATION TO PROVIDE DIRECTION TO APPLY THE PERFORMANCE DETAILS SPECIFIC TO EACH OF THE AREAS.

CONTRACTOR SHALL ABIDE BY ALL REQUIREMENTS OF THE PROJECT AND BY ALL RULES AND REGULATIONS OF THE OWNER.

2. CONTRACTOR'S RESPONSIBILITY:
EXAMINE THE DRAWINGS AND THESE SPECIFICATIONS AND VISIT THE WORK SITE. BECOME FAMILIAR WITH THE CHARACTER OF THE WORK, THE COORDINATION WITH OTHER TRADES REQUIRED, AND ANY OTHER CONDITIONS THAT AFFECT THE COMPLETION OF THIS WORK.

3. PERMITS, CODES AND LAWS:
APPLY FOR ALL PERMITS AND PAY ALL FEES.

ALL WORK SHALL BE IN ACCORDANCE WITH THE LATEST EDITIONS OF THE FOLLOWING STANDARDS, RULES AND REGULATIONS, HEREIN REFERRED TO AS "CODES":

THE LATEST OR ADOPTED EDITION OF THE APPLICABLE LOCAL, STATE AND FEDERAL BUILDING, MECHANICAL, SANITATION, PLUMBING, ETC. CODES.
UNDERWRITER'S LABORATORIES, INC. (U.L.)
NATIONAL FIRE PROTECTION ASSOCIATION (N.F.P.A.)
OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION (O.S.H.A.)
INTERNATIONAL PLUMBING CODE
INTERNATIONAL FUEL GAS CODE
INTERNATIONAL MECHANICAL CODE

WHERE ANY OF THESE CODES ARE AT VARIANCE WITH THE DRAWINGS AND THESE SPECIFICATIONS, THEIR REQUIREMENTS SHALL TAKE PRECEDENCE, UNLESS THE REQUIREMENTS OF THE DRAWINGS AND SPECIFICATIONS EXCEED THOSE OF THE CODES. INCLUDE ANY COST NECESSARY TO MEET THE CODES IN THE BID PRICE.

4. MECHANICAL PLANS:
THE MECHANICAL PLANS ARE DIAGRAMMATIC AND BASED ON ONE MANUFACTURER'S EQUIPMENT. THEY ARE NOT INTENDED TO SHOW EVERY ITEM IN ITS EXACT LOCATION, THE EXACT DIMENSIONS, OR ALL THE DETAILS OF THE EQUIPMENT. VERIFY THE ACTUAL DIMENSIONS OF THE EQUIPMENT PROPOSED TO BE USED.

INSTALLATION SHALL BE WITHIN THE LIMITATIONS IMPOSED BY THE ARCHITECTURAL, STRUCTURAL, ELECTRICAL, AND PLUMBING REQUIREMENTS WITH ADEQUATE SPACE FOR MAINTENANCE.

5. QUESTIONS AND CLARIFICATIONS OF CONSTRUCTION DOCUMENTS:
CONTRACTOR SHALL NOT RELY ON ANY ORAL CLARIFICATIONS OF THE DRAWINGS OR SPECIFICATIONS. ANY QUESTIONS OR CLARIFICATIONS SHALL BE REFERRED IN WRITING TO THE ARCHITECT.

6. GUARANTEES:
ALL EQUIPMENT, MATERIALS, AND WORKMANSHIP SHALL BE GUARANTEED IN WRITING FOR A PERIOD OF ONE YEAR FROM THE DATE OF FINAL ACCEPTANCE. WARRANTIES SHALL BE IN WRITING AND SHALL INCLUDE FACTORY WARRANTIES FOR EACH PIECE OF EQUIPMENT. PROVIDE A CERTIFICATE FOR EACH PIECE OF EQUIPMENT. CLEARLY INDICATE ON EACH WARRANTY CERTIFICATE THE MODEL NO., SERIAL NO., LOCATION AND OWNER'S NAME.

EXTENDED WARRANTIES ARE REQUIRED FOR THE FOLLOWING EQUIPMENT:

FANS, WATER HEATER, AND DAMPER ACTUATORS.

BIND THE ORIGINAL COPIES OF WARRANTIES FOR EACH PIECE OF EQUIPMENT IN A RING BINDER AND TURN OVER TO THE OWNER AT FINAL ACCEPTANCE OF THE PROJECT.

INCLUDE COPIES OF THESE WARRANTIES IN THE OPERATIONS AND MAINTENANCE MANUALS.

7. COMPLETE SYSTEM:
ALL PRODUCTS, MATERIALS AND ACCESSORIES SHALL BE FURNISHED AND INSTALLED AS REQUIRED FOR A COMPLETE SYSTEM READY FOR OWNER'S BENEFICIAL USE.

8. WORKMANSHIP:
ALL WORK SHALL BE PERFORMED BY COMPETENT MECHANICS USING PROPER TOOLS AND EQUIPMENT TO PRODUCE FIRST QUALITY WORK. ALL WORK SHALL BE NEATLY INSTALLED, ACCESSIBLE FOR MAINTENANCE, AND COMPLETE WITH ALL ACCESSORIES REQUIRED.

9. ACCESSIBILITY:
INSTALL ALL EQUIPMENT AND THEIR APPURTENANCES, SUCH AS, BUT NOT LIMITED TO, VALVES, COILS, DRAIN PANS, DRAINS, DAMPERS, CONTROLS, MOTORS, CONTROLLERS, ETC. SO THAT THEY CAN BE SERVICED, RESET, REPLACED OR RECALIBRATED, ETC. INSTALL ALL NECESSARY ACCESS PANELS, DOORS, ETC. WHERE REQUIRED TO ACCOMPLISH THIS. IF ANY EQUIPMENT OR COMPONENTS DO NOT FIT WHERE INTENDED, THE CONTRACTOR SHALL NOTIFY THE ARCHITECT IN WRITING, REQUESTING FURTHER GUIDANCE.

10. WORK BY OTHER TRADES:
FURNISH ALL SLEEVE FRAMES INCLUDING FRAMING BETWEEN JOISTS, ACCESS DOORS, PREFABRICATED CURBS, ROOF CAPS, ROOF FLASHING, COUNTER FLASHING, AND OTHER ACCESSORIES NECESSARY FOR A COMPLETE INSTALLATION.

INSTALL ALL MOTORS AND FURNISH THE STARTING EQUIPMENT TO THE DIVISION 16 SUB-CONTRACTOR FOR INSTALLATION. CONTROL WIRING, INCLUDING SWITCHES, THERMOSTATS, INTERLOCKS, ETC., SHALL BE FURNISHED BY DIVISION 15. ENSURE THAT THE ELECTRICAL EQUIPMENT MOUNTED NEAR THE MECHANICAL EQUIPMENT DOES NOT BLOCK ACCESS TO SERVICE AREAS OF THE MECHANICAL EQUIPMENT. DO NOT ALLOW ANY EQUIPMENT TO BE INSTALLED ON THE HVAC EQUIPMENT ENCLOSURES.

11. FIRESTOPPING:
ALL PENETRATIONS OF FLOORS AND OTHER FIRE-RATED ASSEMBLIES SHALL BE FIRE AND SMOKE-STOPPED IN STRICT ACCORDANCE WITH THE APPLICABLE CODES.

12. FOUNDATIONS AND SPECIAL SUPPORTS:
FURNISH AND INSTALL ALL SPECIAL FOUNDATIONS AND SUPPORTS REQUIRED FOR EQUIPMENT INSTALLED UNDER THIS SECTION, UNLESS THEY ARE A PART OF THE BUILDING STRUCTURE AND ARE SHOWN IN OTHER SECTIONS.

13. CLEANING AND PAINTING:
THOROUGHLY CLEAN ALL EQUIPMENT AND REMOVE ALL TRASH, CARTONS, ETC. MAKE ANY NECESSARY CORRECTIONS OR REPAIR/REPLACE ANY DAMAGED MATERIALS OR EQUIPMENT. LEAVE THE ENTIRE SYSTEM IN A THOROUGHLY CLEAN AND ORDERLY MANNER.

ANY FINISHED SURFACES THAT HAVE BEEN SCRATCHED OR DISCOLORED SHALL BE TOUCHED-UP OR REPAINTED, BREAK TO BREAK, WITH PAINT TO MATCH THE ORIGINAL COLOR.
ALL METAL ITEMS SUBJECT TO RUSTING, INSIDE OR EXPOSED TO WEATHER, SHALL BE GIVEN ONE COAT OF PROPER RUST PREVENTATIVE PRIMER AS SOON AS INSTALLED.

14. AS-BUILT DRAWINGS:
MAINTAIN DAILY UPDATED DRAWINGS SHOWING DEVIATIONS FROM CONSTRUCTION DOCUMENTS. AT THE END OF THE PROJECT, PROFESSIONALLY PREPARE AS-BUILT DRAWINGS AND SUBMIT THREE COPIES, ONE REPRODUCIBLE.

15. OPERATION AND MAINTENANCE MANUALS:
UPON COMPLETION OF THE PROJECT, SUBMIT THREE COPIES OF ALL OPERATION AND MAINTENANCE MANUALS, WARRANTIES, SPARE PARTS LISTS, AS-BUILT DRAWINGS, TEST AND BALANCE REPORTS, AND LETTERS OF GUARANTEE, ALL BOUND IN THREE RING BINDERS, CLEARLY IDENTIFY WHICH EQUIPMENT WAS SUPPLIED FOR THE JOB.

HVAC EQUIPMENT, METHODS AND MATERIALS

16. DUCTWORK GENERAL:
DUCT SIZES SHOWN ON THE DRAWINGS ARE FREE AREA DIMENSIONS. DUCTWORK SHALL BE GALVANIZED SHEET METAL WITH GAUGES, CONSTRUCTION DETAILS AND INSTALLATION ACCORDING TO N.F.P.A. PAMPHLET 90A AND SMACNA (SHEET METAL AND AIR CONDITIONING CONTRACTOR'S NATIONAL ASSOCIATION) LOW PRESSURE DUCT CONSTRUCTION MANUAL DUCTWORK PRESSURE CLASS 2" W.G.

PROVIDE FLEXIBLE CONNECTIONS AT ALL EQUIPMENT WITH ROTATING COMPONENTS.

PROVIDE SINGLE THICKNESS TURNING VANES FOR ALL DUCT DIRECTIONAL CHANGES OF 45 DEGREES OR MORE.

PROVIDE DUCT TRANSITIONS BETWEEN DUCT SYSTEMS AND EQUIPMENT OR LOUVERS OF DIFFERENT SIZES. ALL DUCT TRANSITIONS SHALL HAVE A SLOPE RATIO OF 4:1 (4 UNITS RUNNING IN DIRECTION OF FLOW PER EACH UNIT OF TRANSVERSE CHANGE IN DIRECTION).

PROVIDE MANUAL VOLUME DAMPERS AT RECTANGULAR DUCT TAKE-OFFS.

ALL DUCTS 18" AND OVER SHALL BE CROSSBROKEN.
THE DUCT RUN-OUT AND FLEXIBLE CONNECTION SHALL BE THE SAME SIZE AS THE SUPPLY DIFFUSER OR REGISTER, EXHAUST REGISTER, OR DUCTED R.A. GRILLE NECK.

PAINT DUCTS, SLEEVES, PLENUMS, ETC. AND ALL INTERIORS VISIBLE THROUGH AIR DEVICES, WITH NECESSARY COATS OF FLAT BLACK PAINT.

17. DUCT CONSTRUCTION MATERIALS:
RECTANGULAR SUPPLY, RETURN, OUTSIDE AIR, AND EXHAUST:
GALVANIZED SHEET METAL

ROUND DUCT AND RUN-OUTS:
GALVANIZED SHEET METAL DUCTS WITH SPIRAL LOCK SEAMS

FLEXIBLE DUCT:
PRE-INSULATED FLEXIBLE DUCT. NO FLEXIBLE DUCT RUNS LONGER THAN 6' ARE ALLOWED.

18. FABRICATION, ERECTION, AND SUPPORT:
PROVIDE HOT-DIPPED GALVANIZED SUPPORTS BETWEEN STRUCTURE AND MECHANICAL EQUIPMENT THAT IS SUPPORTED ON A STRUCTURAL FRAME. PAINT ALL EXTERIOR AND EXPOSED INTERIOR STEEL COMPONENTS IN MECHANICAL SYSTEM.

ALL DUCTWORK SHALL BE FABRICATED, ERECTED, BRACED, AND SUPPORTED IN STRICT ACCORDANCE WITH THE LATEST EDITIONS OF THE SMACNA DUCT CONSTRUCTION AND ASHRAE STANDARDS.

19. INSULATION:
ALL INSULATION SHALL BE IN STRICT ACCORDANCE WITH ASHRAE STANDARDS AND ALL LOCAL AND STATE ENERGY CODES.

ACOUSTICALLY AND THERMALLY LINE RECTANGULAR RETURN AND EXHAUST DUCT (AND PLENUMS) WITH 1" THICK, 1½ PCF FIBERGLASS DUCT LINER, APPLIED PER THE MANUFACTURER'S AND NAIMA REQUIREMENTS. DUCT LINER SHALL MEET AND/OR EXCEED ASHRAE STANDARD 62.1 (I.A.Q.). USE WELDED STICK CLIPS IN LIEU OF ADHESIVE-TYPE FASTENERS AND FULL COVERAGE ADHESIVE. PROVIDE EDGE NOSINGS WHERE REQUIRED. COAT ALL EXPOSED FIBERGLASS WITH HARDCAST "LAG-GRIP 671".

WRAP ALL SUPPLY DUCT, OUTSIDE AIR (OA) DUCT OR MAKEUP AIR (MA) SYSTEMS WITH 2" THICK 1 LB/CF OR 1½" THICK OF 1½ LB/CF FIBERGLASS INSULATION DUCT WRAP. PROVIDE ALL DUCT INSULATION WITH FACTORY APPLIED VAPOR BARRIER OF REINFORCED MYLAR WITH METAL FINISH. SEAL ALL VAPOR BARRIERS WITH METAL TAPE. PAINT ALL EXPOSED DUCT INSULATION FLAT BLACK.

EXTERIOR DUCT: INSULATE ALL EXTERIOR SUPPLY DUCT, OA AND MA DUCT WITH 2" THICK SEMI-RIGID FIBERGLASS DUCT INSULATION OR 1½" THICK, 3 PCF NOMINAL DENSITY, POLYISOCYANURATE CLOSED CELL INSULATION. SET FIBERGLASS CLOTH WITH MASTIC ON INSULATION AND FINISH WITH WEATHER COATING.

20. JOINT SEALING:
SEAL ALL DUCT JOINTS AND SEAMS (LONGITUDINAL AND TRANSVERSE) WITH HIGH PRESSURE DUCT SEALER, HARDCAST "IRON-GRIP 601" OR APPROVED EQUIVALENT. REINFORCED FOIL BACKED TAPES, CLOTH OR PLASTIC BACKED TAPES (DUCT TAPE) ARE NOT ACCEPTABLE.

21. FLEXIBLE AIR DUCT:
DUCT SHALL BE UL LISTED ULV81, CLASS I AIR DUCT MATERIAL AND SHALL COMPLY WITH N.F.P.A. 90A AND 90B AND ALL LOCAL REQUIREMENTS. DUCT SHALL HAVE AN OPERATING AIR PRESSURE OF 6" WG POSITIVE AND 4" WG NEGATIVE. ACOUSTICAL DOUBLE LAMINATED INNER FABRIC BONDED TO A STEEL HELIX WIRE, OUTER JACKET FIRE RETARDANT REINFORCED ALUMINUM MYLAR WITH FIBER GLASS INSULATION. FLEXMASTER TYPE "BM ACOUSTICAL INSULATED OR EQUIVALENT.

SUPPORT FLEXIBLE AIR DUCT AT EVERY CHANGE OF DIRECTION WITH 6" LONG SADDLES TO PREVENT REDUCTION IN DUCT DIAMETER AND DAMAGE TO THE DUCT.

MAKE ALL FLEXIBLE DUCT CONNECTIONS TO HARD DUCT USING STAINLESS STEEL SCREW CLAMPING BANDS AND SEALED AIR-TIGHT WITH HIGH PRESSURE DUCT SEALER. PLASTIC BANDS ARE NOT ACCEPTABLE.
SEAL FLEXIBLE DUCT VAPOR BARRIER TO HARD DUCT AND/OR ADJACENT INSULATION. NO EXPOSED FIBERGLASS SHALL BE VISIBLE.

22. AIR DISTRIBUTION DEVICES:
COORDINATE EXACT LOCATIONS OF ALL AIR DEVICES WITH THE ARCHITECTURAL DRAWINGS PRIOR TO INSTALLATION. COORDINATE THE EXACT LOCATION OF EACH OUTLET WITH THE ARCHITECT.

FURNISH AND INSTALL ALL DIFFUSERS, GRILLES, AND REGISTERS OF THE SIZE, TYPE, AND CAPACITY SHOWN ON THE DRAWINGS AND AS INDICATED IN THE AIR DEVICE SCHEDULE.

23. BRANCH TAKEOFF FITTINGS:
AT ALL MAIN-TO-BRANCH DUCT TAPS, TAKEOFFS OR RUN-OUTS, PROVIDE 45 DEGREE ENTRANCE TAPS WITH MANUAL DAMPERS DOWNSTREAM, WITH 2" INSULATION BUILD-OUT AND LOCKING QUADRANT. DO NOT USE "SPIN-IN" TAPS.

24. ACCESS PANELS:
INSTALL ACCESS PANELS WHERE SHOWN ON THE DRAWINGS AND AS FOLLOWS:

AT INLET OF EACH DUCT MOUNTED FIRE AND MOTORIZED DAMPER.

FOR DUCT MOUNTED CONTROLS.

AS REQUIRED AND DIRECTED BY THE TEST AND BALANCE CONTRACTOR.

WHERE REQUIRED FOR DUCT INSPECTION, MAINTENANCE, AND CLEANING.

ACCESS PANELS SHALL BE 18" X 18" OR LARGEST DUCT WILL ALLOW. CENTER THE ACCESS PANEL IN THE BOTTOM OF THE DUCT AS CLOSE AS POSSIBLE TO THE DUCT MOUNTED DEVICE. ACCESS PANELS MAY BE INSTALLED ON THE SIDE OF THE DUCT WHEN NECESSARY.

ACCESS PANELS SHALL BE DOUBLE-WALLED, INSULATED AND HINGED, AND WITH NEOPRENE GASKETS AND CAM LOCKS ON THE NON-HINGED SIDE. WHERE REQUIRED BECAUSE OF PANEL OPENING CLEARANCE CONSTRAINTS, SUBSTITUTE UNHINGED ACCESS PANELS WITH CAM LOCKS ON EACH SIDE AND CAPTIVE CHAIN. ACCESS PANELS SHALL BE FLEXMASTER "BISM-TAB DOOR," GREENHECK MODEL "HAD-10," OR EQUIVALENT.

25. DAMPERS:
WHERE SHOWN ON THE DRAWINGS, PROVIDE RECTANGULAR LOW LEAKAGE DAMPERS WITH SILICONE RUBBER EDGE SEALS AND BRONZE BEARINGS. DAMPERS SHALL BE AMCA 500 RATED.

WHERE SHOWN ON THE DRAWINGS AND AS REQUIRED, PROVIDE MANUAL BALANCING DAMPERS WITH 2" INSULATION BUILD-OUT AND LOCKING QUADRANT.

26. SYSTEM TEST AND BALANCE:
THE TEST AND BALANCE AGENCY (TBA) SHALL BE AN APPROVED INDEPENDENT AGENCY ENGAGED SOLELY IN TEST AND BALANCE WORK. AGENCY SHALL BE MEMBER OF THE ASSOCIATED AIR BALANCE COUNCIL (AABC) AND/OR NATIONAL ENVIRONMENTAL BALANCING BUREAU (NEBB).

TBA SHALL SUBMIT A WRITTEN REPORT WITH ANY RECOMMENDED CHANGES TO ENSURE BALANCING CAPABILITY WITHIN 30 DAYS OF COMMENCING WORK.

TBA SHALL SUBMIT A DETAILED TEST PLAN TO THE ARCHITECT ILLUSTRATING ALL FORMATS, DRAWINGS, AND TEST PROCEDURES TO BE USED FOR TESTING THE COMPLETED SYSTEM. THE APPROVED PLAN WILL BE USED FOR TESTING THE SYSTEM. PROCEDURES SHALL INCLUDE REQUIREMENTS LISTED IN AABC/NEBB STANDARDS, LATEST EDITION, AND ANY SPECIAL REQUIREMENTS FOR THIS PROJECT.

TBA SHALL MAKE PROJECT VISITS AS REQUIRED DURING CONSTRUCTION TO INSPECT FOR PROPER INSTALLATION OF THE DUCTWORK AND RELATED BALANCING DEVICES. PROJECT VISIT REPORTS SHALL BE MADE TO THE ARCHITECT IN WRITING.

27. CONTRACTOR'S REQUIREMENTS PRIOR TO TEST AND BALANCE:
THE CONTRACTOR SHALL PERFORM ALL REQUIRED PRELIMINARY TESTS AND OTHER PREPARATORY WORK, INCLUDING, BUT NOT LIMITED TO:

ENSURING ALL FANS ARE OPERATING,
CHECKING ROTATION, RPM, AND CURRENT DRAW,
CHECKING ALL DAMPERS FOR OPERATION,
PLACING ALL HVAC EQUIPMENT IN FULL OPERATION,
ENSURING ALL HVAC CONTROLS ARE INSTALLED AND FULLY OPERATIONAL,
CLEANING/REPLACING FILTERS IMMEDIATELY PRIOR TO TESTING,
PROVIDING ALL BALANCING DEVICES AND DRIVE CHANGES THAT ARE DEEMED NECESSARY BY TBA AT NO ADDITIONAL COST TO THE OWNER.

28. TEST AND BALANCE:
TBA SHALL BALANCE ALL AIR SYSTEMS FOR OPERATION WITHIN DESIGN CRITERIA. PRIME MOVERS SHALL BE WITHIN 5% OF DESIGN AND TERMINALS WITHIN 10% OF DESIGN.

29. TEST REPORTS:
THE TBA SHALL PREPARE FIVE (5) COPIES OF A FINAL COMPREHENSIVE TEST REPORT IN THE FOLLOWING FORMAT:

REPORT SHALL BE BOUND 8 ½ X 11" WITH SUBSTANTIAL COVERS USING APPROVED FORMS. ONLY TYPED OR COMPUTER-GENERATED REPORTS ARE ACCEPTABLE.

REPORT SHALL BE INDEXED.

TABLE OF CONTENTS SHALL LIST ALL REPORTS.

ALL AIR OUTLETS SHALL BE LOCATED ON CODED DRAWINGS PREPARED BY THE TBA. AIR OUTLET FORMS SHALL BE PREPARED AND CORRELATED TO THE CODED DRAWINGS.

TEST SUMMARY SHALL DESCRIBE FINAL TEST PROCEDURES AND SPECIAL CONDITIONS DURING TESTS (SUCH AS THERMOSTAT OUTSIDE/RETURN AIR RELATIONSHIP, AND DUCT STATIC PRESSURE).

TBA SHALL DESCRIBE OTHER DATA THAT MAY ASSIST OPERATING PERSONNEL IN THE CONTINUING OPERATION OF THE SYSTEM.

TBA SHALL TAKE AND RECORD ALL NECESSARY READINGS AT THE FINAL BALANCE POINTS, INCLUDING, BUT NOT LIMITED TO: AIR QUANTITIES, PRESSURES, SETPOINTS, ENTERING AND LEAVING COIL TEMPERATURES, SPACE INDOOR AND AMBIENT WET AND DRY BULB TEMPERATURES, OUTDOOR WEATHER CONDITIONS, ELECTRICAL READINGS OF ALL NEW AND EXISTING MOTORS, COMPRESSORS, ETC.

TEST REPORT SHALL CONTAIN TBA CERTIFICATIONS OF TEST DATA AND SYSTEMS CONDITIONS.

SUBMIT THE TEST REPORTS FOR REVIEW BEFORE SUBSTANTIAL COMPLETION.

(CONT'D. ON SHEET P3.)

REVIEWED FOR
STATE FIRE MARSHAL
AS PER REVIEW LETTER
BY WILLIAM D. JONES, ARCHITECT, CBO
William D. Jones



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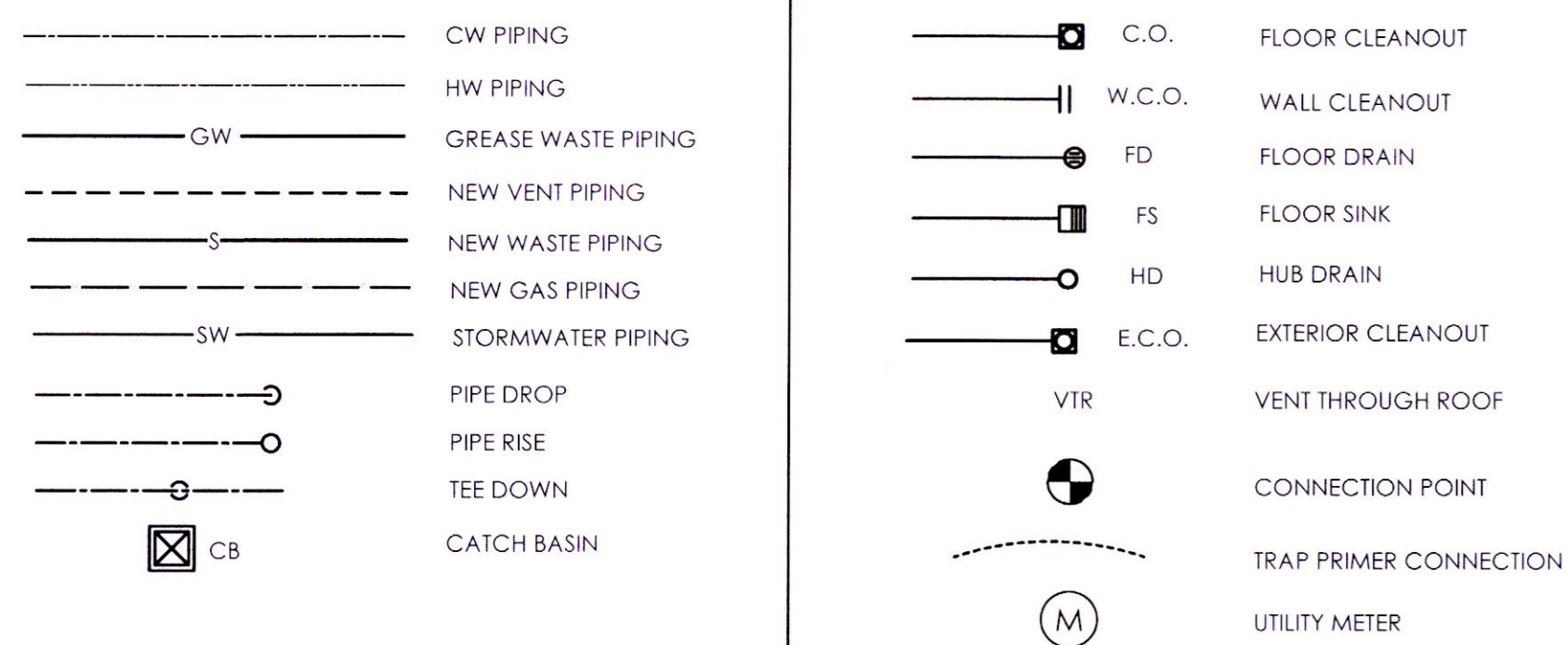


NEW FIRE FIRE STATION NO. 134 FOR
ST. TAMMANY FIRE DISTRICT NO. 13
425 LEEWARD LOOP ST. TAMMANY PARISH
COVINGTON, LOUISIANA 70433

JOSEPH F. SCHNEIDER JR., AIA
ARCHITECT
LA #4206 MS #3020 AL #8724 FL #AR95908 TX #24294
105 EVANGELINE DRIVE, SLIDEELL, LOUISIANA 70460
(985) 847-0714
jsarchitect@charter.net

DRAWN
G. CWIK
CHECKED
C. RABENSTEINER
DATE
01/20/2024
SCALE
AS NOTED
JOB NO.
SHEET
M-3
OF SHEETS

PLUMBING LEGEND

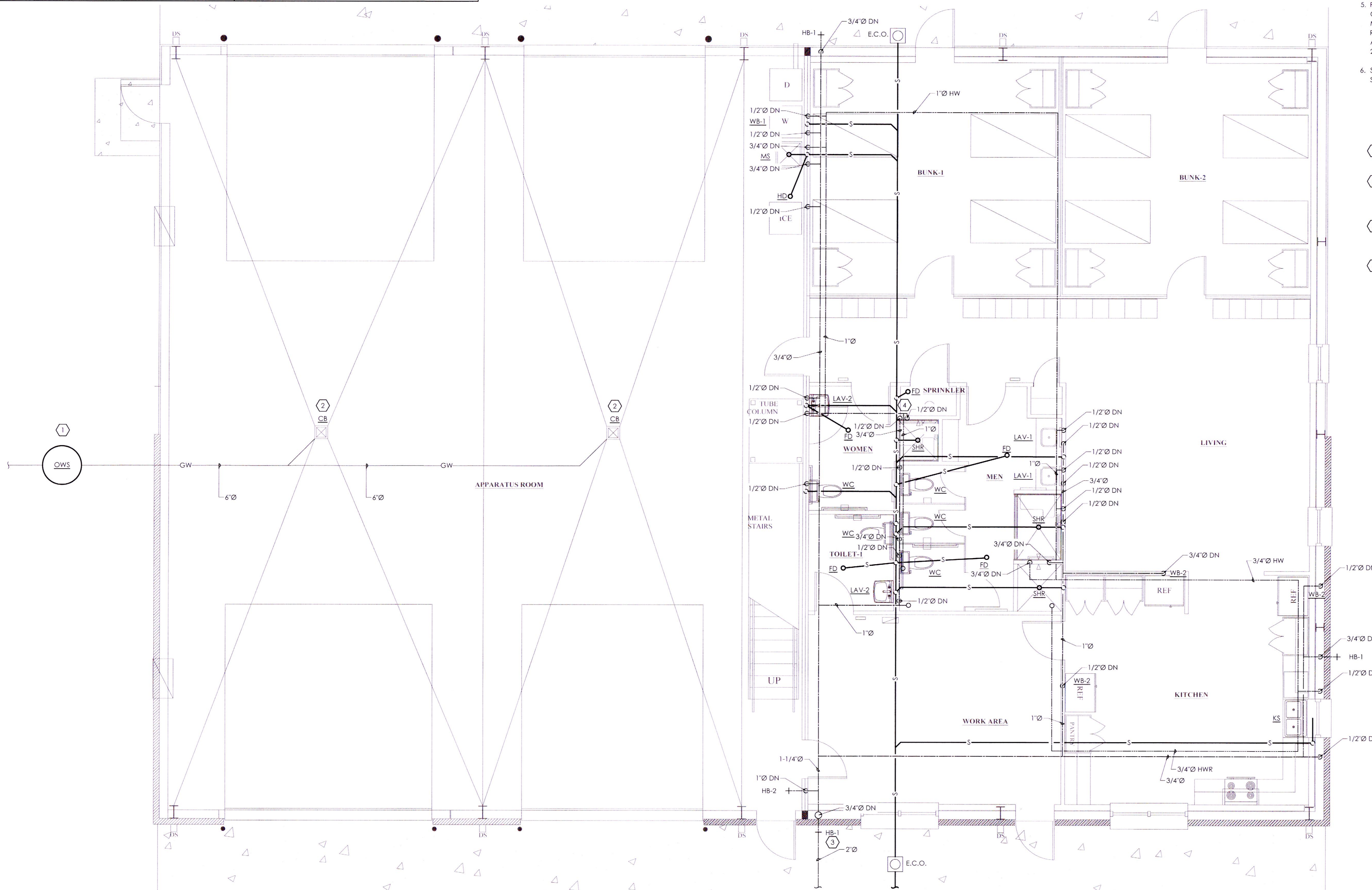


GENERAL PLUMBING NOTES:

- ALL WORK SHALL BE DONE IN ACCORDANCE WITH ALL GOVERNING CODES AND IN ACCORDANCE WITH BEST PRACTICES. ALL PRODUCTS SHALL BE INSTALLED AS DIRECTED BY THE MANUFACTURER AS DIRECTED IN THEIR WRITTEN INSTRUCTIONS.
- ALL PRODUCTS USED SHALL COMPLY WITH THE APPLICABLE SECTIONS OF THE INTERNATIONAL PLUMBING CODE, 2015 EDITION.
- PLUMBING CONTRACTOR SHALL BE RESPONSIBLE FOR SETTING FLOOR AND WALL SLEEVES IN THEIR PROPER LOCATIONS AND FOR INFORMING OTHER TRADES OF THE LOCATION AND SIZE OF CHASES, STACKS, CLEANOUTS, ETC.; THAT WILL RELATE TO THEIR WORK; AND IS RESPONSIBLE FOR PROVIDING ACCESS TO ALL ITEMS REQUIRING ROUTINE MAINTENANCE.
- PLUMBING CONTRACTOR SHALL INSTALL TEST PLUGS, WOOD PLUGS OR CAPS IN ALL OPEN PIPES AT TIME OF INSTALLATION AND NOT REMOVE UNTIL PIPE IS CONNECTED.
- PLUMBING VENT RISERS ARE SCHEMATIC IN NATURE. CONTRACTOR SHALL BE ALLOWED AND IS ENCOURAGED TO MANIFOLD PLUMBING VENTS IN ATTIC IN ORDER TO MINIMIZE ROOF PENETRATIONS. VENT MANIFOLDS SHALL COMPLY WITH ALL REQUIREMENTS OF THE INTERNATIONAL PLUMBING CODE, 2015 EDITION.
- SEE FIXTURE SCHEDULE ON SHEET P3.0 FOR FIXTURE SPECIFICATIONS.

PLUMBING NOTES:

- PROVIDE OWS TECHNOLOGIES MODEL RF-F-100 WITH 6" INLET / OUTLET.
- PROVIDE GIBSON STEEL BASINS MODEL GCB-10-1820HB-4 CATCH BASIN WITH SEDIMENT TRAP AND HEAVY DUTY TRAFFIC GRATE (AASH TO H20 LOADS).
- COORDINATE DOMESTIC WATER TIE-IN WITH CIVIL CONTRACTOR. DISINFECT ALL POTABLE WATER PIPING PER NSF-61 BEFORE COMMISSIONING SYSTEM.
- COORDINATE TIE-IN LOCATION WITH FIRE PROTECTION CONTRACTOR. PROVIDE WATTS MODEL Z 007 M1 DCDA RESIDENTIAL SPRINKLER DOUBLE CHECK DETECTOR ASSEMBLY.



REVIEWED FOR STATE FIRE MARSHAL AS PER REVIEW LETTER BY WILLIAM D. JONES, ARCHITECT, CBO
William D. Jones

R&A Rabensteiner and Associates, LLC
 CONSULTING ENGINEERS
 122 Woodbridge Ct. Madisonville, La 70471 (985) 264-4031
mechanical plumbing fire protection

1 PLUMBING GROUND FLOOR PLAN
 P1 1/4" = 1'-0"

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REVISIONS	BY



NEW FIRE FIRE STATION NO. 134 FOR ST. TAMMANY FIRE DISTRICT NO. 13
 425 LEWARD LOOP ST. TAMMANY PARISH COVINGTON, LOUISIANA 70433

JOSEPH F. SCHNEIDER JR., AIA
 ARCHITECT
 LA #4206 MS #3020 AL #8724 FL #AR95908 TX #24294
 105 EYANGELINE DRIVE, SLIDELL, LOUISIANA 70460
 (985) 847-0714
 jfsarchitect@charter.net

DRAWN G.C.WIK
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PLUMBING FIXTURE SCHEDULE							
TAG	DESCRIPTION	TYPE	WASTE	VENT	CW	HW	NOTES
WC	WATER CLOSET, KOHLER MODEL K-5298-0 (HIGHLINE). FINISH: BISCUIT. PROVIDE SEAT/COVER. PROVIDE SUPPLY AS REQUIRED. SEAT SHALL BE 1'9" A.F.F. REFER TO ARCH. ELEVATIONS FOR FLUSH HANDLE SIDE. FOR ROUGH-IN, ALLOW 5/8" GYP. BRD., 1/2" FOR SOUND BRD., AND 1/2" FOR TILE, TYPICAL; ADA-COMPLIANT.	WATER CLOSET ACCESSIBLE	3"	2"	1/2"	-	1
LAV-1	LAVATORY, AMERICAN STANDARD MODEL 1721008 (ASPIRATIONS), WHITE; 22" X 13" VITREOUS CHINA, DROP-IN W/ ASPIRATION MODEL 7061801 TWO-HANDLE, 8" CENTERS FAUCET, POP-UP DRAIN. ADA-COMPLIANT INSTALLATION.	LAVATORY ACCESSIBLE	2"	1 1/2"	1/2"	1/2"	1
LAV-2	LAVATORY, AMERICAN STANDARD MODEL 9024.004EC (DECORUM), WHITE; 22" X 18" VITREOUS CHINA, WALL-MOUNT WITH CARRIER; MODEL 7018.201 CENTERSET FAUCET, PUSH POP-UP DRAIN. ADA-COMPLIANT INSTALLATION.	LAVATORY ACCESSIBLE	2"	1 1/2"	1/2"	1/2"	1
SHR	SHOWER BASE & CULTURED MARBLE FINISH BY ARCHITECT; KOHLER MODEL 22179-G-CP, WITH POLISHED CHROME SHOWER HEAD, HAND SHOWER, SLIDE BAR, SHOWER ARM HOSE AND VALVE TRIM, WITH KOHLER MODEL K-8304-K-NA RITE-TEMP PRESSURE BALANCING VALVE. PROVIDE ZURN FLOOR DRAIN MODEL FD-2260 WITH STAINLESS STEEL STRAINER.	SHOWER	2"	1-1/2"	1/2"	1/2"	1
KS	KITCHEN SINK, ELKAY MODEL NXUH31201OR (NEPTUNE), 31X20X10, 18 GA STAINLESS STEEL, UNDERMOUNT, DOUBLE BOWL, (1) HOLE, ADA COMPLIANT. FAUCET - GROHE 32665, 8.5" SINGLE LEVER FAUCET, WITH CHROME CRUMB-CUP STRAINER.	KITCHEN SINK	2"	1-1/2"	1/2"	1/2"	1
FD	ZURN, MODEL NO. Z-415 OR EQUAL, TYPE M BRONZE STRAINER	FLOOR DRAIN	2"	1 1/2"	-	-	-
HD	ZURN, MODEL NO. Z-415-HD OR EQUAL, TYPE M BRONZE STRAINER	FLOOR DRAIN	2"	1-1/2"	-	-	-
WB-1	WASHER OUTLET BOX, OATEY WALL OUTLET MODEL 38470 (FIRE-RATED), 1/4-TURN BALL VALVES, COPPER SWEAT	WALL BOX	2"	1 1/2"	1/2"	1/2"	-
WB-2	ICE-MAKER OUTLET BOX, OATEY WALL OUTLET BOX MODEL 38574, 1/4-TURN BALL VALVES, COPPER SWEAT	WALL BOX	-	-	1/2"	-	-
MS	STERN WILLIAMS MODEL MTB-2424, WITH T-10-V8 SERVICE TRIM FITTING, W/ BACKSPLASH PANELS, AND W/ TRAP PRIMER CONNECTION	MOP SINK	3"	2"	3/4"	3/4"	1
TP	TRAP PRIMER VALVE, PFP INC., MODEL NO. PP-500 PRIME-RITE, INSTALL ON NEARBY LAVATORY OR SINK COLD WATER SUPPLY. INSTALL ON ALL FLOOR DRAINS AND MOP SINKS.	TRAP PRIMER	-	-	1/2"	-	-
HB-1	HOSE-BIBB/WALL HYDRANT, WATTS MODEL HY-420, NON-FREEZE, WITH NICKEL-BRONZE BOX AND DOOR.	HOSE BIBB	-	-	3/4"	-	1
HB-2	HOSE-BIBB/WALL HYDRANT, WATTS MODEL HY-420, NON-FREEZE, WITH NICKEL-BRONZE BOX AND DOOR.	HOSE BIBB	-	-	1"	-	1

NOTES:
1. VERIFY FIXTURE SELECTION WITH ARCHITECT/OWNER PRIOR TO PURCHASE.

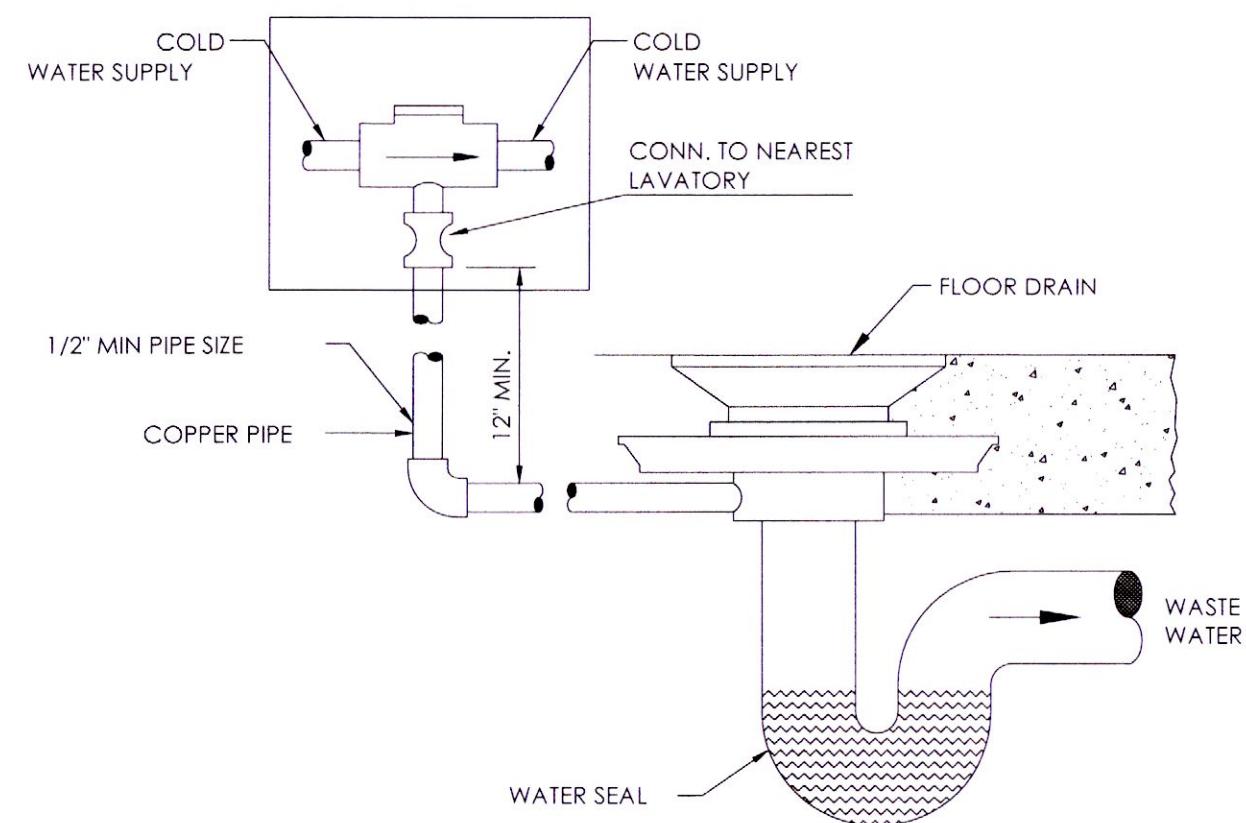
ELECTRIC WATER HEATER SCHEDULE												
TAG	FIXTURE TYPE	MANUFACTURER	MODEL #	CAPACITY	PIPE SIZES				ELECTRICAL		WEIGHT (LBS)	NOTES
					INLET	OUTLET	DRAIN	RELIEF	VOLTAGE/PH	KW		
EWH-1	TANK-TYPE	A.O. SMITH	HPS10-80H45DV	80-GALLON	3/4"	3/4"	3/4"	3/4"	240/1	9	303	1

NOTES:
1. SEE INSTALLATION DETAIL, THIS SHEET.

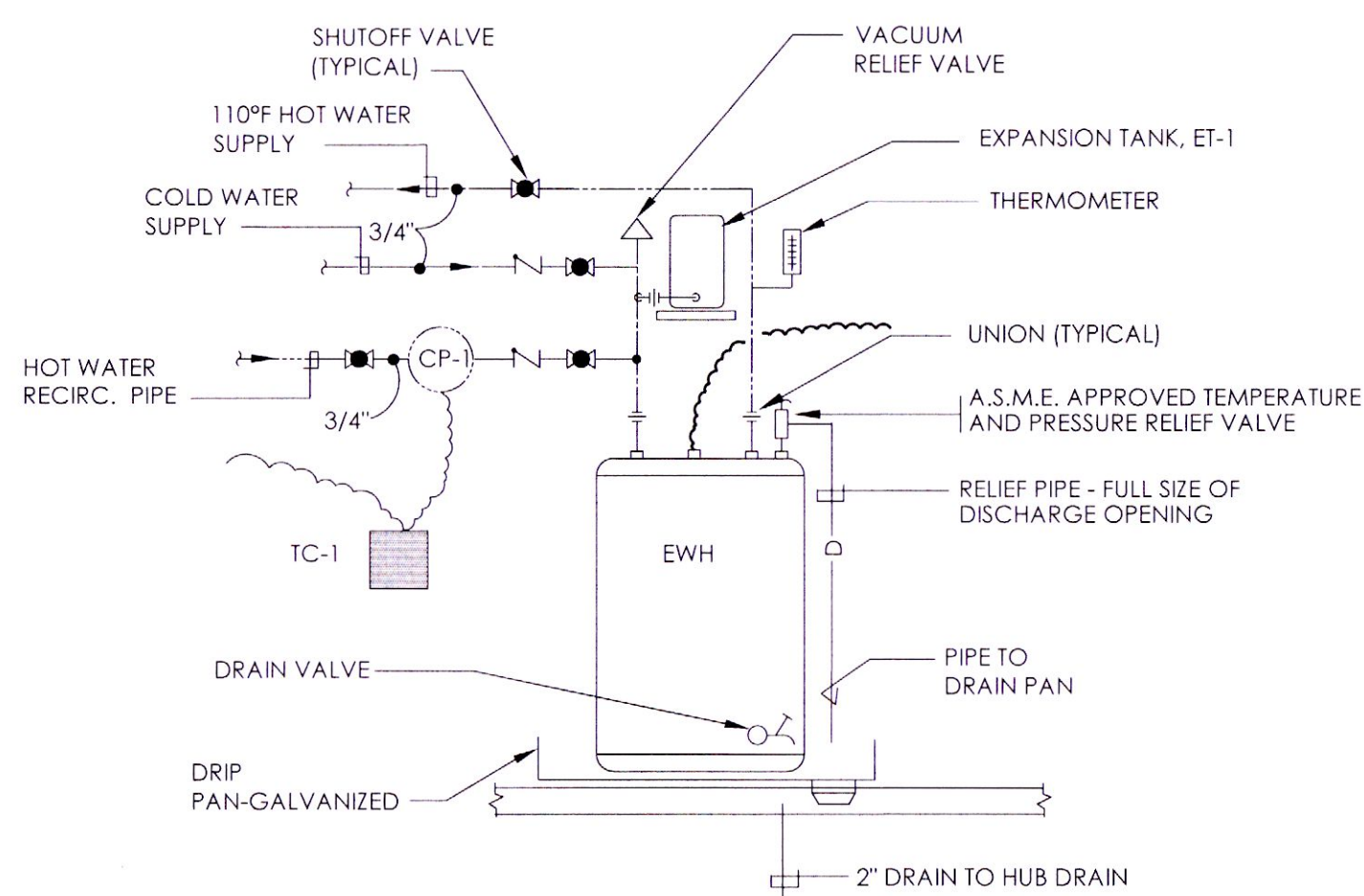
EXPANSION TANK SCHEDULE											
TAG	LOCATION	SERVICE	TYPE	CAPACITY, GALLONS	SIZE (DIA., X L, IN.)	PRV SETTING	CONNECTION SIZE		SHIPPING WT., LBS.	MFR'S NAME/ MODEL	REMARKS
							FILL	SYSTEM			
ET-1	ATTIC	EWH-1	BLADDER	4.8	10.6 X 16.2	150 PSIG	N/A	3/4"	9	WESSELS CO. MODEL 12TX	PRE-CHARGED TO 40 PSIG

PUMP SCHEDULE									
TAG	MANUFACTURER / MODEL NUMBER	TYPE	LOCATION	FLOW (GPM)	TDH (FEET)	PIPE CONN.	ELECTRICAL		NOTES
							VOLTS/PHASE	WATT	
CP-1	BELL & GOSSETT XL 20-35	HOT WATER CIRCULATING	NEAR EWH-1	3.0	15	3/4"	115/1	100	1

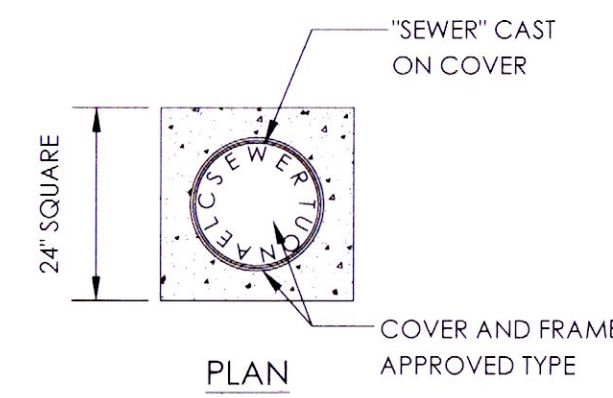
NOTES:
1. PROVIDE FLANGED CONNECTIONS AND ISOLATION VALVES.



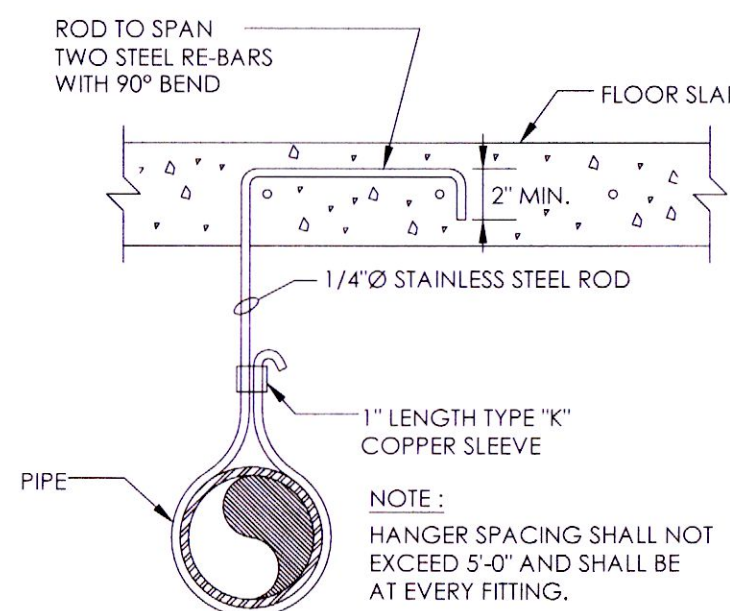
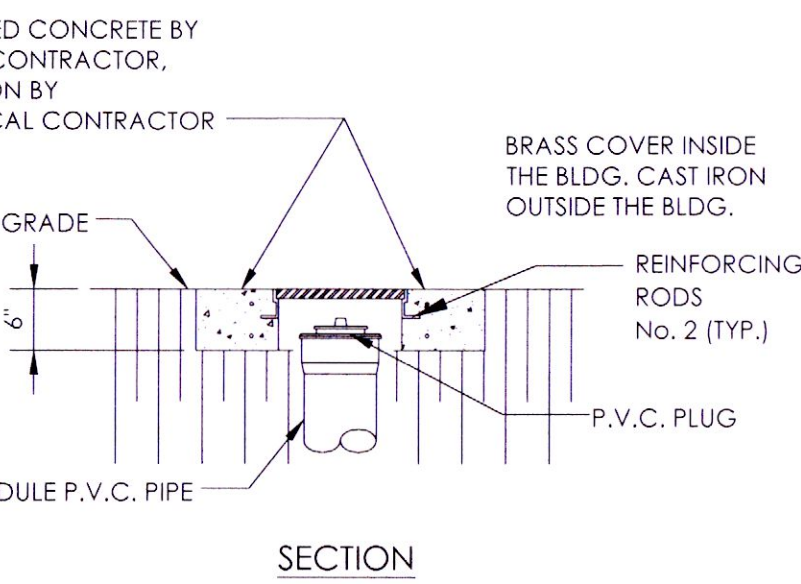
4 P-2 NTS



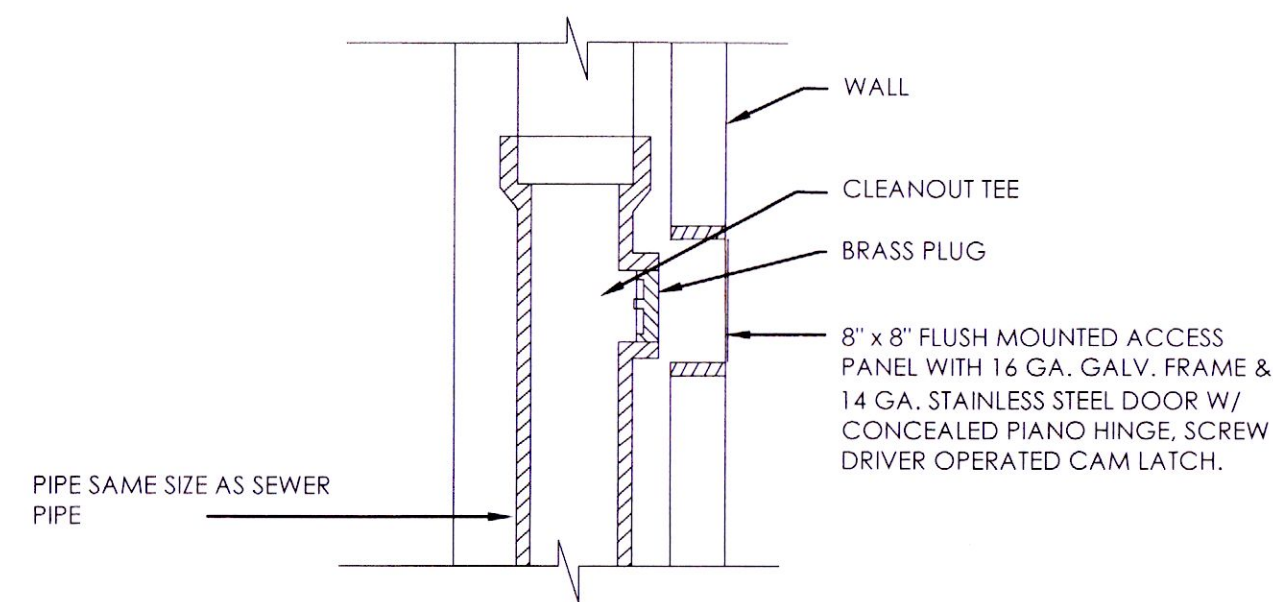
5 P-2 NTS



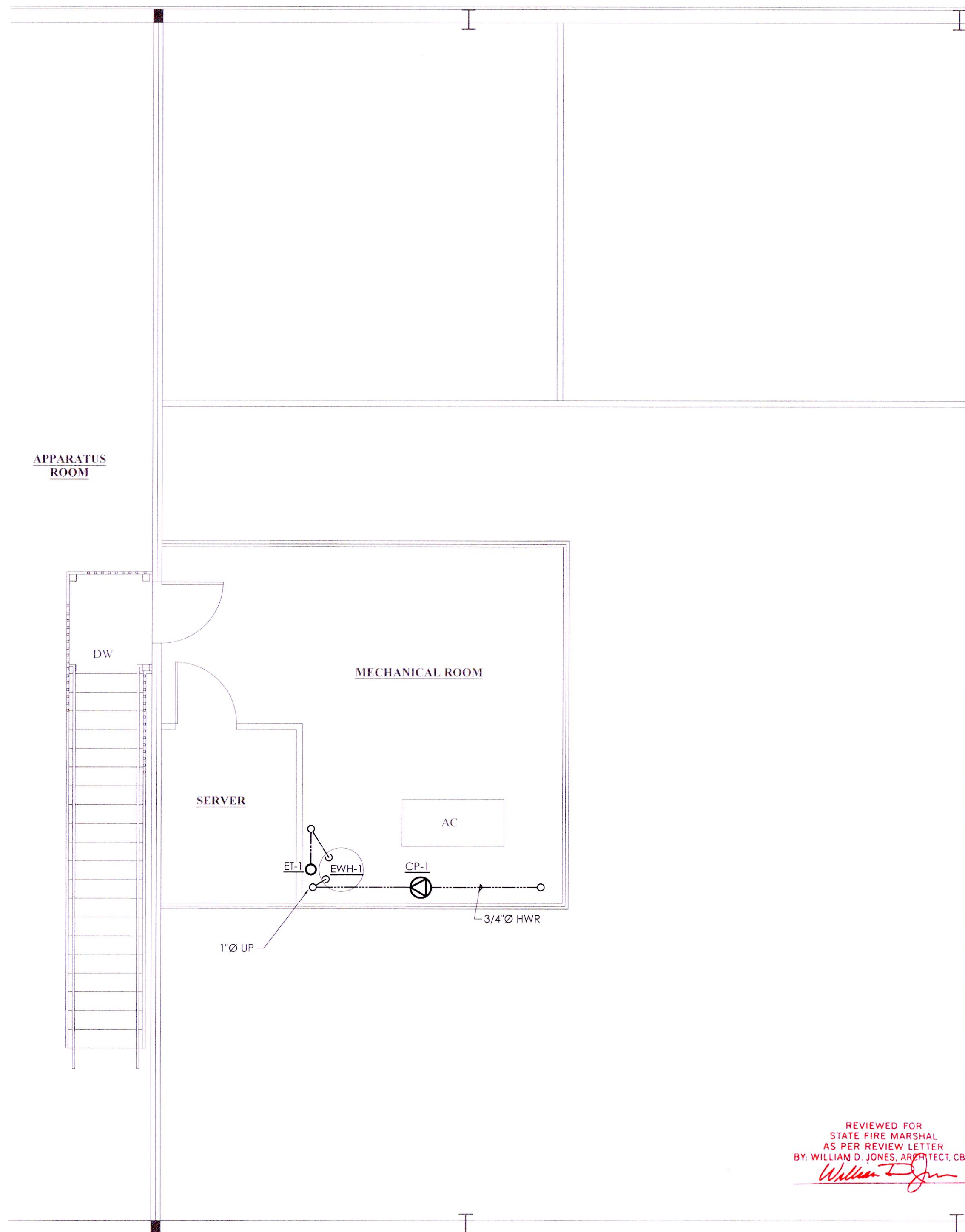
1 P-2 NTS



3 P-2 NTS



2 P-2 NTS



6 P2 1/4" = 1'-0"

R&A Rabensteiner and Associates, LLC
CONSULTING ENGINEERS
122 Woodbridge Ct.
Madisonville, La. 70471
(985) 264-4031
**mechanical
plumbing
fire protection**

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jfsarchitect@charter.net

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DIVISION 15 SPECIFICATIONS

PLUMBING EQUIPMENT, METHODS AND MATERIALS PRODUCTS
(CONTD FROM M3.)

30. GENERAL:
ALL PRODUCTS USED SHALL COMPLY WITH THE APPLICABLE SECTIONS OF THE INTERNATIONAL PLUMBING CODE, 2021 EDITION.
CONTRACTOR SHALL SUPPLY ONLY THOSE PRODUCTS APPROVED IN WRITING PRIOR TO PROCUREMENT.

31. WATER DISTRIBUTION PIPING:
ALL POTABLE WATER PIPING SHALL BE COPPER TYPE "L", WITH SOLDERED JOINTS FOR 4" OR SMALLER. PROVIDE VALVE STEM EXTENSIONS OF 2' LENGTH FOR ALL VALVES IN INSULATED PIPING.

DIELECTRIC UNIONS SHALL BE INSTALLED WHEREVER ANY DISSIMILAR METALS ARE USED.

CONTRACTOR SHALL SUPPLY OPTIONAL PRICING FOR PEX OR CPVC FOR WATER DISTRIBUTION PIPING.

32. SANITARY SOIL, WASTE AND VENT SYSTEMS:
ALL SANITARY DRAIN, WASTE AND VENT SEWER PIPING SHALL BE CAST IRON SERVICE WEIGHT. PROVIDE NO-HUB COUPLINGS FOR ABOVE GROUND INSTALLATION AND BELL AND SPIGOT JOINTS FOR UNDERGROUND INSTALLATION. PROVIDE 2% GRADE (1/4" PER FT) SLOPE FOR ALL INTERIOR WASTE AND VENT.

CONTRACTOR SHALL SUPPLY OPTIONAL PRICING FOR TYPE "DWV" PVC FOR DRAIN, WASTE AND VENT PIPING.

33. SLEEVES AND ESCUTCHEONS:
PROVIDE GALVANIZED SHEET METAL SLEEVES FOR ALL PIPE PENETRATIONS AT FLOORS, CEILINGS, AND PARTITIONS. PROVIDE PIPE SLEEVES TWO PIPE SIZES LARGER THAN PIPE AND/OR INSULATION. CAULK AND INSTALL ESCUTCHEONS AS SPECIFIED.

PROVIDE NICKEL PLATED BRASS ESCUTCHEONS WITH SPRING LOCK S OR SET SCREWS AT CEILINGS, FLOORS, AND WALLS FOR ALL PIPES. DO NOT USE CHROME PLATED FERROUS METAL ESCUTCHEONS.

34. VALVES:
VALVES SHALL BE SOLID BRONZE THROUGH 2" AND BRONZE FITTED FOR LARGER SIZES.

PROVIDE FULL-PORT BALL VALVES WITH SOLDER CONNECTIONS.

VALVES SHALL BE RATED AT 125 PSI SWP/200 PSI WOG NIBCO, STOCKHAM, CRANE OR APPROVED EQUIVALENT.

35. ACCESS DOORS:
PROVIDE ACCESS TO ALL PARTS REQUIRING SERVICE SUCH AS VALVES, REGULATORS, TRAPS, ETC., WITH ACCESS DOORS OF THE SIZE REQUIRED TO PROPERLY SERVICE THE ITEM, BUT GENERALLY NOT SMALLER THAN 12" X 12". WHERE ACCESS DOORS CANNOT BE PROVIDED FOR STRUCTURAL OR ARCHITECTURAL REASONS, NOTIFY THE ARCHITECT.

ACCESS DOORS IN PAINTED AREAS SHALL BE PRIME COATED WITH FINISH PAINTING AS SPECIFIED IN OTHER DIVISIONS.

IN WET AREAS OR AREAS WITH CERAMIC TILE FLOORS OR WALLS, THE ACCESS DOORS SHALL BE STAINLESS STEEL OR NICKEL BRASS.

ACCESS DOORS SHALL BE PROVIDED WITH A CONCEALED, KEY-OPERATED LOCK, AND CONCEALED HINGES. ALL LOCKS SHALL BE KEYED ALIKE.

36. CLEANOUTS AND COVERS:
PROVIDE CLEANOUTS AT THE BASE OF EACH STACK AND AS SHOWN ON THE DRAWINGS. SPACING SHALL NOT BE GREATER THAN 50 FEET APART. PROVIDE A CLEANOUT AT EACH CUMULATIVE CHANGE OF DIRECTION OF THE WASTE LINE OF 135 DEGREES, AND AS REQUIRED TO PROPERLY ROD THE SYSTEM.

37. ROOF FLASHING FOR VENT STACKS:
FLASHING SHALL BE LEAD OF NOT LESS THAN FOUR POUNDS PER SQUARE FOOT AND SHALL BE TALL ENOUGH TO TURN INTO THE TOP OF THE VENT PIPE, WHICH SHALL BE 12" ABOVE THE ROOF AND EXTEND OUT FROM THE STACKS AT LEAST 12" ON EACH SIDE.

38. PIPE HANGERS AND SUPPORTS:
HANGERS FOR HORIZONTAL PIPES IN BUILDING SHALL BE ADJUSTABLE AND SUPPORTED BY THREADED RODS EQUIVALENT TO FEE AND MASON #239 OR #400. HANGERS ON BARE COPPER LINES SHALL BE COPPER PLATED. INSULATED LINES SHALL BE PROVIDED WITH A 20 GAUGE MINIMUM SADDLE 12" LONG FOR PIPES 2" AND SMALLER AND 18" LONG FOR LARGER PIPES.

SUPPORT ALL PIPING BELOW THE BUILDING WITH 3/8" STAINLESS STEEL RODS 4-FOOT ON CENTER AND AT EACH SIDE OF EACH FITTING. FOR EXISTING CONCRETE SLABS, USE THREADED STAINLESS STEEL RODS AND 3/8" CONCRETE DRILL AND SET ANCHORS, TWIST THE RODS AROUND THE PIPING WITH THREE COMPLETE TURNS AROUND THE VERTICAL ROD. PROVIDE 1-FOOT LONG, SCHED. 40 PVC SADDLES FOR ALL COPPER AND PVC PIPING. THE SADDLES SHALL BE THE SAME DIAMETER AS THE PIPE.

39. UNIONS:
UNIONS 2" AND SMALLER SHALL BE GROUND JOINT TYPE.

40. FIXTURES AND EQUIPMENT GENERAL:
FURNISH ALL PLUMBING FIXTURES, DRAINS AND EQUIPMENT AS SHOWN ON THE DRAWINGS. IF THE ARCHITECTURAL DRAWINGS DIFFER FROM THE PLUMBING DRAWINGS, THE ARCHITECT SHALL BE NOTIFIED PRIOR TO PROCUREMENT. FURNISH FIXTURES AND OTHER EQUIPMENT COMPLETE WITH ALL REQUIRED AND NECESSARY TRIM, FITTINGS, AND OTHER DEVICES FOR A COMPLETE FINISHED PROJECT.

FIXTURES AND EQUIPMENT SHALL HAVE THE MANUFACTURER'S NAME OR TRADEMARK IMPRINTED ON OR ATTACHED BY METALLIC NAME PLATE. ALL FIXTURES AND ALL TRIM SHALL BE BY THE SAME MANUFACTURER UNLESS NOTED OTHERWISE. TRIM MAY BE OF DIFFERENT MANUFACTURER THAN FIXTURES, BUT EQUIVALENT TO THAT SPECIFIED.

ALL EXPOSED TRIM SHALL BE CHROME-PLATED. TOPS OF ALL FLOOR DRAINS SHALL BE CHROME OR NICKEL BRONZE UNLESS OTHERWISE NOTED.

41. PLUMBING FIXTURES:
GENERAL: THE CONTRACTOR SHALL FURNISH AND INSTALL ALL PLUMBING FIXTURES WITH ALL ASSOCIATED VALVES, TRIM, CONNECTORS, ETC., SHOWN ON THE CONTRACT DRAWINGS. ALL FIXTURES MUST BE DELIVERED TO THE BUILDING PROPERLY CRATED.
ESCUTCHEONS SHALL BE CHROME-PLATED BRASS OR STAINLESS STEEL. TRAPS SHALL BE 17-GAUGE AND SHALL HAVE A COUNTERSUNK CLEANOUT PLUG.

EXECUTION

42. GENERAL:
ALL WORK SHALL BE DONE IN ACCORDANCE WITH ALL GOVERNING CODES AND ACCORDING TO BEST PRACTICES AND ALL PRODUCTS SHALL BE INSTALLED AS DIRECTED BY THE MANUFACTURER THROUGH THEIR WRITTEN INSTRUCTIONS.

43. DISINFECTON:
DISINFECT NEW WATER PIPING (AND EXISTING WATER PIPING AFFECTED BY THE CONTRACTOR'S OPERATIONS) IN ACCORDANCE WITH AWWA C601. FILL PIPING SYSTEMS WITH SOLUTION CONTAINING A MINIMUM OF 50 PARTS PER MILLION OF AVAILABLE CHLORINE AND ALLOW SOLUTION TO STAND FOR A MINIMUM OF 24 HOURS. FLUSH SOLUTION FROM SYSTEMS WITH CLEAN WATER UNTIL MAXIMUM RESIDUAL CHLORINE CONTENT IS NOT GREATER THAN 0.2 PARTS PER MILLION.

44. EXCAVATION AND BACKFILLING:
PERFORM ALL EXCAVATION AND BACKFILLING AS REQUIRED. TRENCHES SHALL BE WIDE ENOUGH FOR PROPER INSTALLATION OF THE PIPE. GRADE THE DITCH BOTTOM FOR PROPER SLOPE AND PROVIDE BELL HOLES TO ALLOW THE FULL BEARING OF THE BARREL. COMPLY WITH ALL HEALTH AND SAFETY REGULATIONS RELATING TO DITCHING.

EXCAVATE 6" BELOW THE PIPE AND FILL WITH COMPACTED OR WETTED SAND TO PIPE GRADE.

NO EXCAVATION SHALL BE UNDER OR NEAR FOOTINGS.

45. CONTRACTOR'S RESPONSIBILITIES
THE CONTRACTOR'S RESPONSIBILITIES INCLUDE, BUT ARE NOT LIMITED TO, THE FOLLOWING:

SETTING FLOOR AND WALL SLEEVES IN PROPER LOCATIONS.

INFORMING OTHER TRADES OF LOCATION AND SIZE OF CHASES, STACKS, CLEANOUTS, ETC., THAT WILL RELATE TO THEIR WORK.

PROVIDING ACCESS TO ALL ITEMS REQUIRING ROUTINE SERVICE.

46. WATER DISTRIBUTION PIPING:
EXTEND FROM THE WATER TIE-IN TO EVERY FIXTURE OR OUTLET REQUIRING HOT OR COLD WATER. PROVIDE A STOP VALVE AND A DRAIN FOR THE PIPING SYSTEM.

PIPE SIZES SHOWN ON THE DRAWINGS ARE NOMINAL DIAMETER.

EVERY FIXTURE CONNECTION SHALL BE PROVIDED WITH A STOP VALVE AND AN 3/4" VERTICAL AIR CHAMBER AT THE FIXTURE CONNECTION. (WATER CLOSETS DO NOT REQUIRE AIR CHAMBERS.)

47. BUILDING SANITARY DRAIN, WASTE AND VENTS:
THE SANITARY DRAIN, WASTE AND VENT SYSTEM SHALL BE AS SHOWN ON THE DRAWINGS, AND SHALL INCORPORATE ANY FIELD CHANGES AS REQUIRED TO MEET JOB CONDITIONS. ANY MAJOR CHANGES FROM WHAT IS SHOWN ON THE DRAWINGS SHALL BE SUBMITTED FOR APPROVAL BY THE ARCHITECT.

A FIXTURE SHALL WASH THE BOTTOM OF ALL STACKS.

THERE SHALL BE NO HORIZONTAL OFFSET IN VENTS LESS THAN 6" ABOVE THE FLOOD RIM OF THE HIGHEST FIXTURE IN THE GROUP.

48. TESTING:
CONTRACTOR SHALL NOTIFY THE ARCHITECT AT LEAST THREE WORKING DAYS BEFORE ANY TESTS ARE CONDUCTED. NO JOINTS OR FITTINGS SHALL BE CONCEALED UNTIL THEY HAVE BEEN TESTED AND APPROVED. REPEAT TESTS AS NECESSARY UNTIL PROVEN SATISFACTORY.

THE FOLLOWING TEST AS DESCRIBED IN THE INTERNATIONAL PLUMBING CODE, 2021 EDITION, SECTION 3.12, SHALL BE PERFORMED:

SANITARY PIPING SYSTEM:

GRAVITY SEWER TESTS SHALL CONSIST OF PLUGGING THE END OF THE BUILDING SEWER AT THE POINT OF CONNECTION WITH THE PUBLIC SEWER, FILLING THE BUILDING SEWER WITH WATER, TESTING WITH NOT LESS THAN A 10-FOOT (3048 MM) HEAD OF WATER AND MAINTAINING SUCH PRESSURE FOR 15 MINUTES.

POTABLE WATER SYSTEM:

UPON COMPLETION OF A SECTION OF OR THE ENTIRE WATER SUPPLY SYSTEM, DURING THE ROUGH-IN INSPECTION, THE SYSTEM, OR PORTION COMPLETED, SHALL BE TESTED AND PROVED TIGHT UNDER A HYDROSTATIC WATER PRESSURE NOT LESS THAN 1.5 TIMES THE WORKING PRESSURE OF THE SYSTEM, BUT NOT LESS THAN 140 PSI OR, FOR PIPING SYSTEMS OTHER THAN PLASTIC, BY AN AIR TEST OF NOT LESS THAN 50 PSI (344 KPA). THIS PRESSURE SHALL BE HELD FOR NOT LESS THAN 15 MINUTES. THE WATER UTILIZED FOR TESTS SHALL BE OBTAINED FROM A POTABLE SOURCE OF SUPPLY. THE REQUIRED TESTS SHALL BE PERFORMED IN ACCORDANCE WITH THIS SECTION AND SECTION 1.12.

GAUGES USED FOR TESTING SHALL BE AS FOLLOWS:

TESTS REQUIRING A PRESSURE OF 10 POUNDS PER SQUARE INCH (PSI) (69 KPA) OR LESS SHALL UTILIZE A TESTING GAUGE HAVING INCREMENTS OF 0.10 PSI (0.69 KPA) OR LESS.
TESTS REQUIRING A PRESSURE OF GREATER THAN 10 PSI (69 KPA) BUT LESS THAN OR EQUAL TO 100 PSI (689 KPA) SHALL UTILIZE A TESTING GAUGE HAVING INCREMENTS OF 1 PSI (6.9 KPA) OR LESS.
TESTS REQUIRING A PRESSURE OF GREATER THAN 100 PSI (689 KPA) SHALL UTILIZE A TESTING GAUGE HAVING INCREMENTS OF 2 PSI (14 KPA) OR LESS.

49. SCREWED PIPE FITTINGS:
CUT THREADS TO FULL DEPTH AND MAKE UP LISTING TEFLON TAPE. USE DRAINAGE PATER FITTINGS FOR WASTE AND VENT SYSTEMS.

50. CAST IRON PIPE FITTINGS:
FITTINGS MAY BE NO-HUB, PUSH TYPE, OR LEAD AND OAKUM. INSTALL AS RECOMMENDED BY THE MANUFACTURER USING TOOLS AS RECOMMENDED. CARE SHALL BE TAKEN TO PREVENT SHIFTING OR SETTLING OF PIPE.

51. SOLDER TYPE FITTINGS:
BRAZE USING J.W. HARRING "DYNAFLOW" 6% SILVER BRAZING ALLOY.

CLEAN PIPE AND FITTINGS BRIGHT WITH SAND PAPER OR WIRE BRUSH AND APPLY PASTE FLUX (LIQUID FLUX IS NOT ACCEPTABLE) AND ASSEMBLE JOINT. APPLY HEAT EVENLY TO THE PIPE FITTINGS AND APPLY SOLDER TO FILL THE JOINT BY CAPILLARY ACTION. CLEAN JOINT OF EXCESS SOLDER BEFORE IT COOLS. FITTINGS DISCOLORED BY HEAT SHALL BE REMOVED AND THE JOINT REMADE.

52. PIPE SLEEVES:
TIGHTLY CAULK ALL ANNULAR SPACES BETWEEN PIPES (FOR INSULATION) AND SLEEVES WITH SILICONE TYPE SEALANT.

SLEEVES PASSING THROUGH FLOORS SHALL EXTEND 2" ABOVE THE FLOOR LEVEL TO PREVENT WATER PENETRATION AROUND PIPE. THE SLEEVE SHALL BE SEALED TO THE FLOOR.

53. INSTALLATION OF PIPES:
ALL THREADED PIPES SHALL BE REAMED TO REMOVE ALL CUTTING LIPS FROM THE INSIDE EDGE AND SHALL BE THREADED WITH CLEAN DIES TO THE PROPER DEPTH. CUTS SHALL BE CLEAN AND NOT GOUGED OR ROUGH. APPLY LUBRICANT TO MALE THREAD ONLY.

ALL COPPER PIPES SHALL BE REAMED TO REMOVE ALL CUTTING LIPS FROM INSIDE EDGE.

PIPE SHALL BE LAID OR SUPPORTED IN A STRAIGHT AND TRUE MANNER WITH FITTING USED TO MAKE ALL CHANGES IN DIRECTION.

ALL PIPES SHALL BE CUT CLEAN AT PRECISE ANGLE. HAND CUTTING OF PVC PIPE IS NOT ACCEPTABLE.

54. PIPE HANGERS AND SUPPORTS:
SUPPORT ALL SUSPENDED PIPE WITH PROPERLY ADJUSTABLE SWIVEL HANGERS WITH MAXIMUM SPACING AS FOLLOWS; TRACT

CAST IRON - ONE HANGER FOR EACH SECTION OF CAST IRON PIPE.

SCREWED AND SOLDER PIPE - 6-FOOT SPACING FOR PIPE 1 1/2" AND SMALLER, AND 10-FOOT SPACING FOR 2" AND LARGER.

ALL THREAD HANGER RODS SHALL BE USED AS FOLLOWS:

PIPE 2" AND SMALLER - 3/8"
PIPE 2 1/2" TO 4" - 1/2"
PIPE ABOVE 4" - 5/8"

SUPPORT ALL VERTICAL PIPES WITH KNEE ANCHORS OR FLOOR CLAMPS AND BRACE AS REQUIRED.

CLAMPS AND HANGERS ON INSULATED PIPE SHALL BE PROVIDED WITH A HEAVY GALVANIZED BEARING PLATE NOT LESS THAN FOUR INSULATION DIAMETERS LONG.

BARE COPPER PIPES SHALL BE SUPPORTED WITH COPPER PLATED HANGERS.

SUPPORT HANGERS FROM BEAM CLAMPS, INSERTS IN CONCRETE, JOIST CLAMPS, ETC. AS NECESSARY TO SUPPORT THE WEIGHT. NO WIRE OR STRAPS ARE TO BE USED FOR HANGERS. POWER-ACTIVATED ANCHORS ARE NOT ALLOWED.

55. INSULATION:
INSULATE ALL PIPING SYSTEMS AS FOLLOWS:

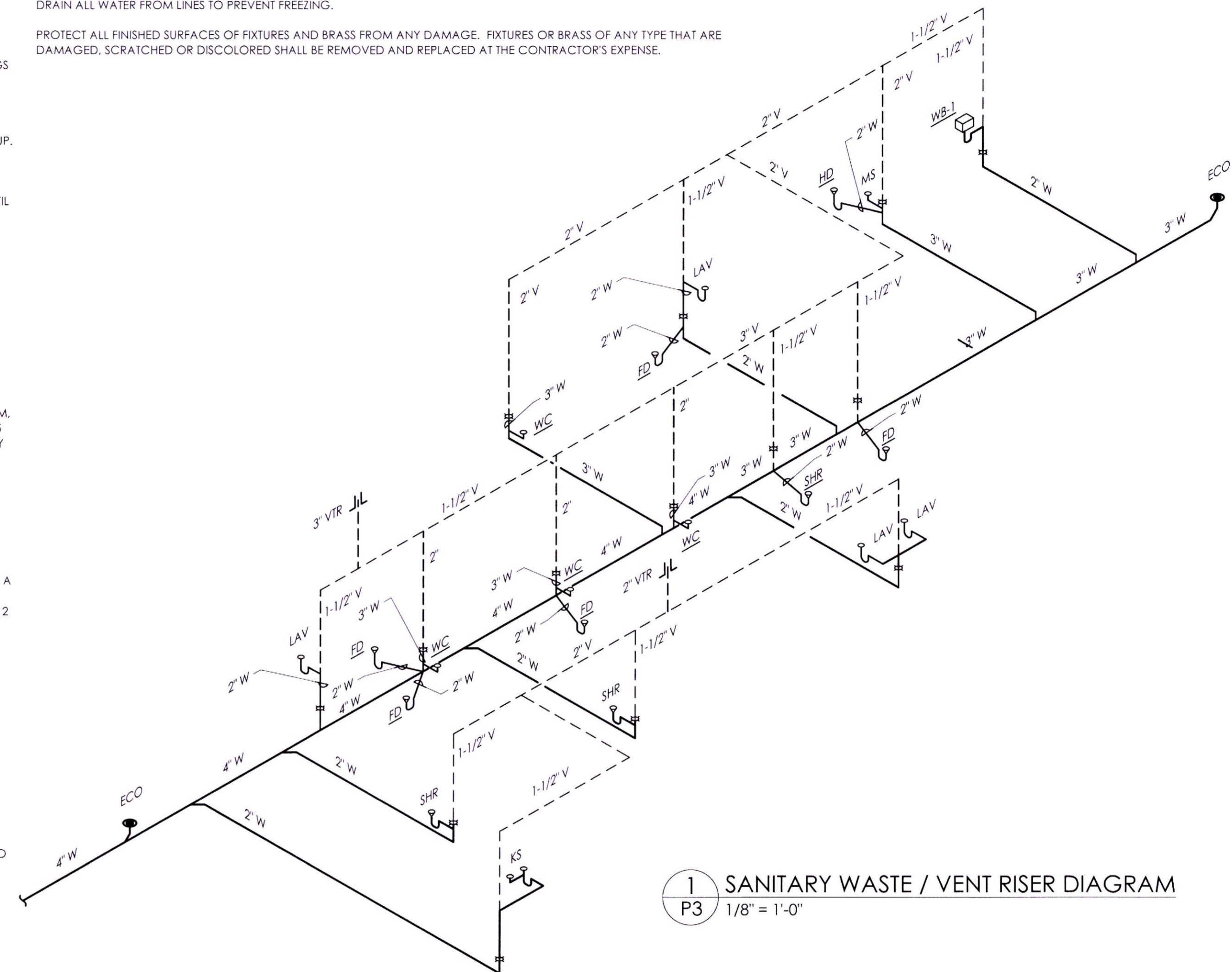
HOT WATER PIPING - INSULATE ALL HOT WATER PIPING WITH 1" FIBERGLASS INSULATION WITH ALL SERVICE JACKET.

COLD WATER PIPING - INSULATE ALL COLD WATER PIPING WITH 1/2" THICK CLOSED CELL FOAM INSULATION OR FIBERGLASS INSULATION WITH ALL SERVICE JACKET.

56. PROTECTION DURING CONSTRUCTION:
INSTALL TEST PLUGS, WOOD PLUGS OR CAPS IN ALL OPEN PIPES AT TIME OF INSTALLATION AND DO NOT REMOVE UNTIL PIPE IS CONNECTED.

DRAIN ALL WATER FROM LINES TO PREVENT FREEZING.

PROTECT ALL FINISHED SURFACES OF FIXTURES AND BRASS FROM ANY DAMAGE. FIXTURES OR BRASS OF ANY TYPE THAT ARE DAMAGED, SCRATCHED OR DISCOLORED SHALL BE REMOVED AND REPLACED AT THE CONTRACTOR'S EXPENSE.



1 SANITARY WASTE / VENT RISER DIAGRAM
P3 1/8" = 1'-0"

REVIEWED FOR
STATE FIRE MARSHAL
AS PER REVIEW LETTER
BY WILLIAM D. JONES, ARCHITECT, CBO
William D. Jones

R&A Rabensteiner and Associates, LLC
CONSULTING ENGINEERS
122 Woodbridge Ct.
Madisonville, La 70471
(985) 284-4031
mechanical
plumbing
fire protection

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REVISIONS	BY



NEW FIRE FIRE STATION NO. 134 FOR
ST. TAMMANY FIRE DISTRICT NO. 13
425 LEEWARD LOOP ST. TAMMANY PARISH
COVINGTON, LOUISIANA 70433

JOSEPH F. SCHNEIDER JR., AIA
ARCHITECT
LA #4206 MS #3020 AL #8724 FL #AR95908 TX #24294
105 EVANGELINE DRIVE, SLIDELL, LOUISIANA 70460
(985) 847-0714
jfsarchitect@charter.net

DRAWN
G.CWIK
CHECKED
C. RABENSTEINER
DATE
01/20/2024
SCALE
AS NOTED
JOB NO.
SHEET
P-3
OF SHEETS

GENERAL FIRE PROTECTION NOTES:

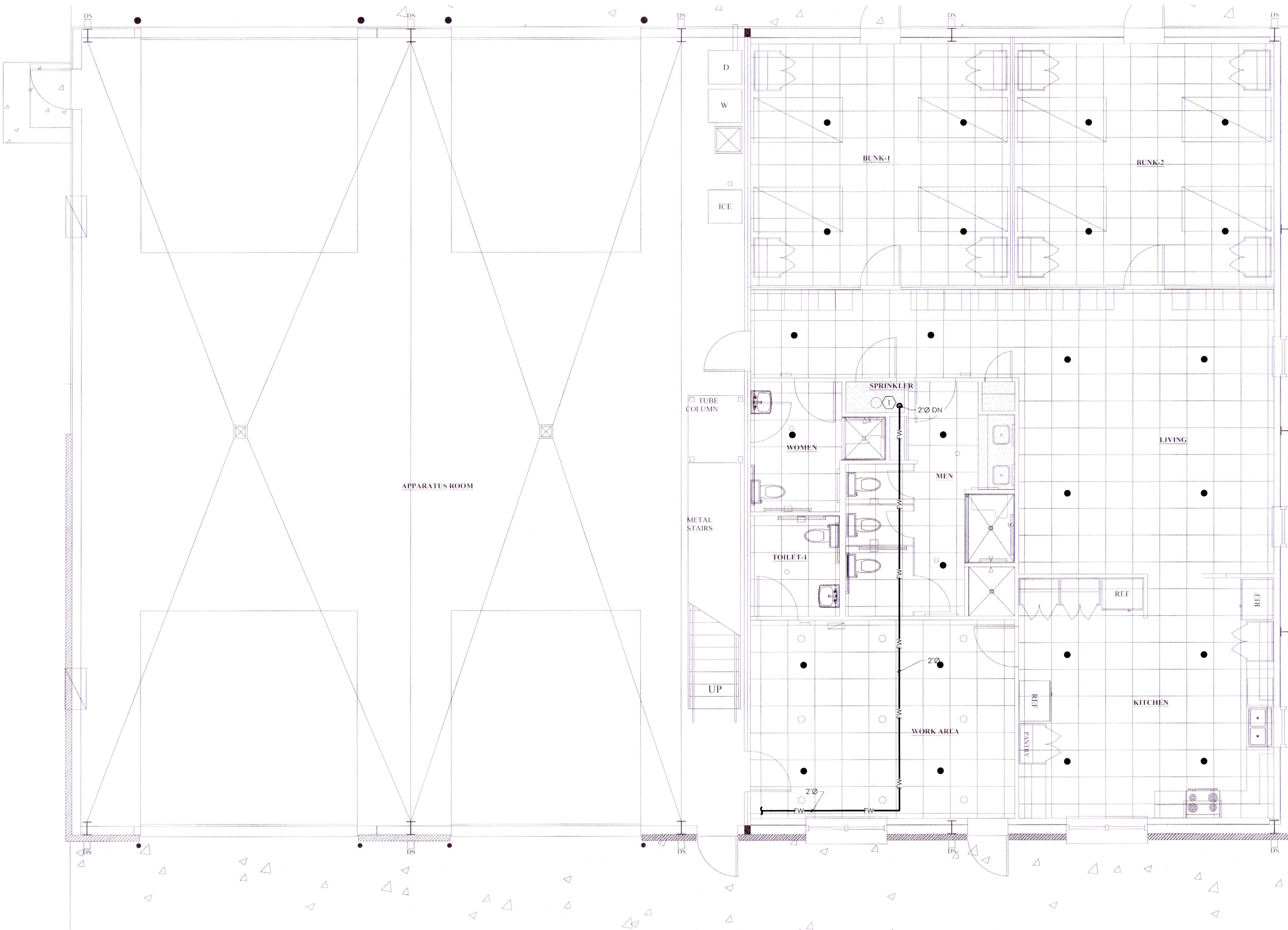
- THE LIVING QUARTERS OF THE BUILDING SHALL BE FURNISHED WITH 100% HYDRAULICALLY CALCULATED NFPA 13D-COMPLIANT AUTOMATIC SPRINKLER SYSTEM.
- WORK SHALL BE PERFORMED BY A LOUISIANA STATE LICENSED SPRINKLER CONTRACTOR. CONTRACTOR SHALL DESIGN, FURNISH AND INSTALL A NEW, FULLY OPERATIONAL AUTOMATIC FIRE SPRINKLER SYSTEM. THE SPRINKLER COMPANY SHALL COORDINATE SYSTEM INSTALLATION WITH WORK OF OTHER DISCIPLINES AND WITH EXISTING CONDITIONS.
- CONTRACTOR SHALL VISIT THE SITE AND BECOME FAMILIAR WITH THE PROJECT SCOPE AND CONSTRAINTS, UTILITY CONNECTIONS, AND ALL BUILDING SERVICES, PRIOR TO SUBMITTING BID.
- DETAILS ILLUSTRATED ON THE DRAWINGS SHALL BE APPLIED IN ALL CASES WHERE THE FEATURE OCCURS IN THE SYSTEM DESIGN.
- MAJOR EQUIPMENT SHOWN ON THE PLANS AND ELEVATIONS ILLUSTRATE THE GENERAL ARRANGEMENT AND SPACE ALLOCATIONS. THE CONTRACTOR SHALL VERIFY THE SPACE REQUIREMENTS FOR EACH SYSTEM COMPONENT USING MANUFACTURER'S CERTIFIED SHOP DRAWINGS AND MAKE THE NECESSARY ADJUSTMENTS IN EQUIPMENT PLACEMENT AND CONNECTION IN ORDER TO ACCOMMODATE THE EXACT EQUIPMENT TO BE INSTALLED.
- CONTRACTOR SHALL COORDINATE WITH ARCHITECT PRIOR TO CUTTING ANY OPENING IN THE STRUCTURE.
- ALL PENETRATIONS THROUGH RATED WALLS, FLOORS, AND PARTITIONS MUST BE INSTALLED AND FIRESAFED TO MEET UL FIRE RESISTANCE LISTING DETAILS FOR THE PENETRATION.
- DRAWINGS ARE SCHEMATIC IN NATURE AND SHALL NOT BE SCALED. THE CONTRACTOR IS RESPONSIBLE FOR COORDINATING EXACT ROUTING OF ALL SERVICES WITH SITE CONDITIONS AND WITH WORK OF ALL OTHER TRADES.
- ALL WORK SHALL COMPLY WITH THE INTERNATIONAL MECHANICAL CODE - 2021 EDITION, INTERNATIONAL PLUMBING CODE - 2021 EDITION, NFPA 13D - 2014 EDITION, NFPA 70 - 2020 EDITION, NFPA 96 - 2016 EDITION THE CONTRACT DOCUMENTS AND ALL REQUIREMENTS OF THE AUTHORITIES HAVING JURISDICTION.
- SPRINKLER SYSTEM CONTRACTOR SHALL SECURE AND PAY FOR ALL REQUIRED STATE AND LOCAL PERMITS.
- WET PIPE SPRINKLER HEADS SHALL BE CONCEALED, PENDENT TYPE HEADS IN AREAS WITH CEILINGS, UPRIGHT TYPE IN AREAS WITHOUT CEILINGS; AND SIDEWALL TYPE IN THE ELEVATOR HOISTWAY. DRY PIPE SPRINKLER HEADS SHALL BE WAX-COATED UPRIGHT TYPE.
- COORDINATE LOCATIONS OF SPRINKLER HEADS WITH ARCHITECTURAL REFLECTED CEILING PLAN AND WITH WORK OF OTHER TRADES. HEADS SHALL BE CENTERED IN CEILING TILES IN BOTH DIRECTIONS AND IN CORRIDORS.

FIRE PROTECTION LEGEND

- NEW PENDANT SPRINKLER HEAD
- ▲ NEW SIDEWALL SPRINKLER HEAD
- ▲ NEW UPRIGHT SPRINKLER HEAD
- FDC FIRE DEPARTMENT CONNECTION
- FW FIREWATER
- FW FIREWATER PIPING

FIRE PROTECTION NOTES:

- ① WATTS SERIES Q07M1DCDARESIDENTIAL FIRE SPRINKLER DOUBLE CHECK DETECTOR ASSEMBLY BACKFLOW PREVENTER TO BE LOCATED IN SPRINKLER RISER ROOM.



① FIRE PROTECTION GROUND FLOOR PLAN
FP1 1/4" = 1'-0"

REVIEWED FOR
STATE FIRE MARSHAL
AS PER REVIEW LETTER
BY: WILLIAM D. JONES, ARCHITECT, CBO
William D. Jones

R&A Rabenstein and Associates, LLC
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Madisonville, La. 70471
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COVINGTON, LOUISIANA 70433

JOSEPH F. SCHNEIDER JR., AIA
ARCHITECT
L.A. #4206 MS #3020 AL #8724 FL #AR95908 TX #24294
105 EVANGELINE DRIVE, SLIDELL, LOUISIANA 70460
(985) 847-0714 jfsarchitect@chartr.net

DRAWN G.CWIK
CHECKED C. RABENSTEINER
DATE 01/20/2024
SCALE AS NOTED
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SHEET FP-1
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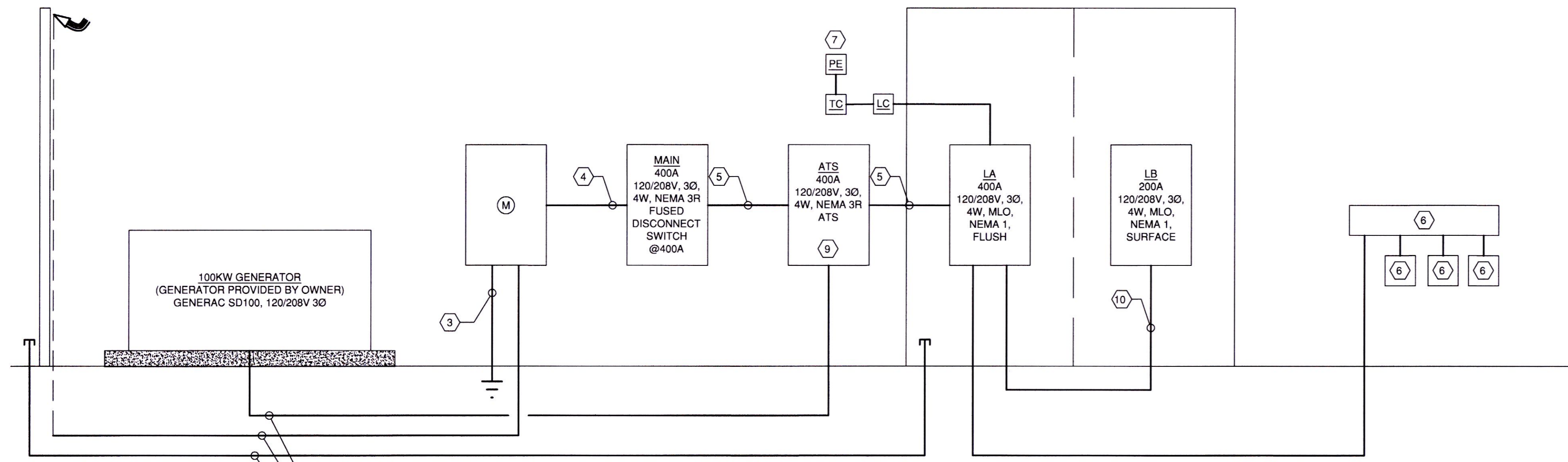
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 ARCHITECT
 L.A #4206 MS #3020 TX #24294 FL #AR95908
 105 EVANGELINE DRIVE, SLIDELL, LOUISIANA 70460
 (985) 847-0714 jfsarchitect@charter.net

DRAWN RJK
 CHECKED RJK
 DATE 05/20/2024
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 JOB NO.
 SHEET E-1
 OF SHEETS

SPECIFIC NOTES

- PROVIDE (2) 3" PVC CONDUITS WITH PULLSTRING FROM SERVER ROOM TO UTILITY POLE FOR CABLE TV AND INTERNET/TELEPHONE.
- [2 SETS] 4" PVC CONDUITS WITH PULLSTRING; PROVIDE SCHEDULE 80 LAST 10' FROM UNDERGROUND; PROVIDE 30' SCHEDULE 80 PER CONDUIT WITH WEATHERHEAD FOR CLECO CONNECTION; INSTALL PER UTILITY STANDARDS.
- 1 #1/0 CU GROUNDING ELECTRODE CONDUCTOR IN 1" TO MAIN COPPER WATER AND ONE 5/8" X 8' GROUND ROD; 1 #6 BARE CU TO SECONDARY 5/8" X 8' GROUND ROD; INSTALL GROUND BRIDGE FOR TELECOM UTILITIES.
- 4 #500 KCMIL AND 1 #3G IN 3-1/2" C.
- 4 #500 KCMIL AND 1 #3G IN 3-1/2" C.
- CONDENSING UNITS 1, 2, & 3 - PROVIDE 2 #2 AND 1 #8G IN 1-1/4" TO NEMA 3R TROUGH FOR CU TAPS; CU1 TAP, 2#8 AND 1 #10G IN 3/4" TO 60A, 208V, 2P, N3R FDS, FUSED AT 40A; CU2 TAP, 2 #10 AND 1 #10G IN 3/4" TO 30A, 208V, 2P, N3R FDS, FUSED AT 30A; CU3 TAP, 2#10 AND 1 #10G IN 3/4" TO 30A, 208V, 2P, N3R FDS, FUSED AT 25A.
- CONNECT EXTERIOR LIGHTING CIRCUITS TO INTERMATIC ET8215C, TWO-CIRCUIT TIMECLOCK WITH ASTRONOMIC CLOCK; PROVIDE OVERRIDE SWITCH FOR EXTERIOR CANOPY LIGHTING; PROVIDE LIGHTING CONTACTOR.
- PROVIDE (1) 4 #500KCMIL AND 1 #4G IN 3", (1) 4 #10 AND 1 #10G IN 1" FOR BATTERY CHARGER AND BLOCK HEATER CIRCUITS, (1) 2 #14 THN, 2 - #14/2C TWISTED PAIR AND ONE CAT6 IN 1" FOR 2-WIRE START AND COMMUNICATIONS NEW ATS TO GENERATOR LOCATION; INSTALL #1/0G TO 5/8" X 8' GROUND ROD.
- [FURNISHED BY OWNER, GENERAC TX611 400A] 400A, 120/208V, 3 POLE, 3-PHASE, 4-WIRE, NON-SERVICE ENTRANCE RATED, NEMA 3R, UL LISTED, AUTOMATIC TRANSFER SWITCH WITH SOLID NEUTRAL AND COMMON GROUND BUS. ATS TO BE PROVIDED WITH AUXILIARY CONTACTS INDICATING SWITCH POSITION, NORMAL SOURCE VOLTAGE AVAILABLE, AND STAND-BY SOURCE VOLTAGE AVAILABLE; PROVIDE 1" TO SERVER ROOM WITH PULL STRING FOR ATS COMMUNICATIONS.
- PANEL LB, 4 #1 AND 1 #8G IN 1-1/2" C.



ELECTRICAL ONELINE DIAGRAM
 NOT TO SCALE

SPECIFICATIONS

- THIS DOCUMENT HAS BEEN PREPARED BY ME AND/OR UNDER MY SUPERVISION AND IT COMPLIES, TO THE BEST OF MY KNOWLEDGE AND BELIEF, WITH LOCAL AND STATE CODE REQUIREMENTS.
- ELECTRICAL WORK SHALL BE IN ACCORDANCE WITH THE NATIONAL ELECTRICAL CODE (NEC 2020 EDITION), STATE (LSUCC) AND CITY REGULATIONS AND ORDINANCES.
- ALL ELECTRICAL SYSTEMS, EQUIPMENT, AND COMPONENTS SHALL BE LOCATED AT OR ABOVE THE BASE FLOOD ELEVATION OR GRADE ELEVATION, WHICHEVER IS HIGHER, AS PER INTERNATIONAL 2012 ARTICLE 1612.1.
- SHORT CIRCUIT CURRENT INTERRUPTING RATINGS OF ALL CIRCUIT BREAKERS AND FUSES SHALL COMPLY WITH NEC 2014 ARTICLES 110.9, 110.10, 225.52(B), 230.82(C), 230.205(B), 230.208, 240.12, AND 240.32(C)(1).
- MATERIALS SHALL BE NEW AND U.L. APPROVED, EXCEPT AS INDICATED.
- CONTRACTOR SHALL APPLY FOR PERMITS AND PAY INSPECTION FEES. NO WORK SHALL BE CONCEALED UNTIL APPROVED BY LOCAL INSPECTOR. UPON COMPLETION, FURNISH CERTIFICATE OF APPROVAL FROM DIVISION OF REGULATORY INSPECTION AS APPLICABLE.
- CONDUCTORS SHALL BE COPPER WITH TYPE THHN/THWN INSULATION, AND SHALL BE #12 AWG OR LARGER.
- WIRING CONCEALED IN WALLS, ATTICS, OR CRAWL SPACES SHALL BE NON-METALLIC SHEATHED CABLE.
- WIRING INSTALLED OUTDOORS SHALL BE CONTAINED IN RIGID PVC CONDUIT, UNLESS INDICATED OTHERWISE; PROVIDE SCHEDULE 80 ABOVE GROUND.
- WIRING INSTALLED EXPOSED IN DRY LOCATIONS SHALL BE CONTAINED IN ELECTRIC METALLIC TUBING WITH SET SCREW FITTINGS, UNLESS INDICATED OTHERWISE.
- RACEWAYS AND CABLES SHALL BE CONCEALED UNLESS INDICATED OTHERWISE.
- EACH BRANCH CIRCUIT AND FEEDER SHALL BE PROVIDED WITH A GROUND CONDUCTOR INSTALLED WITH THE CIRCUIT CONDUCTORS. EACH GROUND CONDUCTOR SHALL BE A GREEN INSULATED COPPER CONDUCTOR, SIZED IN ACCORDANCE WITH TABLE 250.122 OF THE NATIONAL ELECTRICAL CODE NFPA 70. THESE GROUNDING CONDUCTORS ARE NOT SHOWN ON THE DRAWINGS.
- AFTER COMPLETION OF BRANCH CIRCUIT WORK, NEW CORRECTED TYPEWRITTEN DIRECTORIES SHALL BE PROVIDED IN PANELBOARDS AND LOADCENTERS SERVING THE AREA. NEW TYPEWRITTEN DIRECTORIES SHALL ALSO BE PROVIDED FOR EXISTING ELECTRICAL PANELS.
- WALL TOGGLE SWITCHES SHALL BE MOUNTED PER ADA. STYLE (STANDARD TOGGLE OR DECORA) AND COLOR (WHITE, IVORY, OR LIGHT ALMOND) SHALL BE AS DIRECTED BY ARCHITECT OR OWNER.
- ELECTRICAL CONTRACTOR SHALL INSTALL POWER WIRING REQUIRED FOR MECHANICAL SYSTEMS. CONTROL WIRING SHALL BE BY MECHANICAL CONTRACTOR.
- SEQUENCE, COORDINATE, AND INTEGRATE INSTALLING ELECTRICAL MATERIALS AND EQUIPMENT FOR EFFICIENT FLOW OF THE WORK. COORDINATE ELECTRICAL EQUIPMENT AND DEVICES WITH OTHER BUILDING COMPONENTS.
- COORDINATE CONNECTING ELECTRICAL SYSTEMS WITH EXTERIOR UNDERGROUND AND UTILITIES AND SERVICES. COMPLY WITH REQUIREMENTS OF GOVERNING REGULATIONS, FRANCHISED SERVICE COMPANIES, AND CONTROLLING AGENCIES.
- PROVIDE BONDING AROUND CONCENTRIC AND ECCENTRIC KNOCKOUTS ON EQUIPMENT.
- PROVIDE ADDITIONAL BOXES IN RACEWAYS AS NECESSARY. LOCATIONS SHALL MEET NFPA 70.
- PROVIDE BUILDERS CHIME AT FRONT DOOR WITH SINGLE BUTTON AT FRONT DOOR.
- INSTALL LIGHT FIXTURES PROVIDED BY THE OWNER. FURNISH AND INSTALL ALL CONDUIT, FITTINGS, CONDUCTORS, JUNCTION BOXES, COVERS, CONTROL DEVICES AND TERMINATIONS FOR A COMPLETE AND OPERATIONAL LIGHTING SYSTEM.

FIXTURE SCHEDULE

- F1 LITHONIA, CPX-2X2-AL07-80CRI-SWW7-SWL-MVOLT, 2X2 TROFFER COLOR AND OUTPUT SELECTABLE.
- F1E SAME AS F1 WITH EMERGENCY BATTERY (E10WLCF).
- F2 LITHONIA, WF6, 6" WAFER COLOR AND OUTPUT SELECTABLE.
- F3 LITHONIA, CSS-L24-AL015-MVOLT-40K, 4' STRIP.
- F4 (TYPE TBD) \$140 FIXTURE ALLOWANCE PER F4, INCLUDING COST, TAX, 10% OH AND 5% PROFIT.
- F5 LITHONIA, CSS-L48-AL03-MVOLT-40K, 4' STRIP.
- F6 LITHONIA, CSS-L96-AL04-MVOLT-40K, 8' STRIP, OUTPUT SELECTABLE TO 10,000 LUMENS.
- F7 LITHONIA, CNY-LED-ALO-SWW2-UVOLT-PE-PIR-DOB-M2, 34W, 4000K CANOPY FIXTURE.
- F8 LITHONIA, TWX2-LED-P3-40K-MVOLT-DOBXD, 39W, 4000K, WALLPACK FIXTURE.
- EM LITHONIA, ELM2, WHITE DUAL-HEAD EMERGENCY WITH 90-MINUTE BATTERY BACKUP
- EMX LITHONIA, LHQM-LED-R-HO, HIGH OUTPUT COMBINATION EXIT/EMERGENCY WITH 90-MINUTE BATTERY BACUP, WHITE WITH RED LETTERS.
- EMR LITHONIA, ELA, WET LOCATION REMOTE EMERGENCY HEAD.
- EMW LITHONIA, WLTU-MR, 120V WET LOCATION EMERGENCY LIGHT.

SYMBOL SCHEDULE

- LED FIXTURE, RECESSED.
- LAY-IN FIXTURE.
- SURFACE MOUNTED, LINEAR LED LUMINAIRE.
- PENDANT LUMINAIRE.
- INTERIOR WALL MOUNTED LUMINAIRE.
- EXTERIOR WALL MOUNTED LUMINAIRE.
- EXTERIOR FLOOD.
- CEILING FAN.
- EXHAUST FAN.
- EXIT LIGHT.
- TWIN HEAD EMERGENCY BATTERY FIXTURE.
- COMBINATION EXIT AND TWIN HEAD EMERGENCY BATTERY FIXTURE.
- EXTERIOR REMOTE HEAD.
- 20A/1P WALL SWITCH.
- 20A THREE-WAY WALL.
- 20A/1P DOOR OPERATED SWITCH.
- BUILDERS CHIME.
- 20A, 3 WIRE, 125V, GROUNDING TYPE DUPLEX RECEPTACLE, NEMA 5-20R.
- SAME AS EXCEPT MOUNTED ABOVE COUNTER AT HEIGHT AS DIRECTED.
- SAME AS EXCEPT HALF OF YOKE IS SWITCHED.
- SAME AS EXCEPT QUADRUPLX.
- SAME AS EXCEPT WITH GROUND FAULT INTERRUPTER.
- SAME AS EXCEPT WEATHERPROOF.
- SAME AS GFI EXCEPT MOUNTED AS REQUIRED FOR ELECTRIC WATER COOLER.
- FLOOR RECEPTACLE, METAL, BRUSHED NICKEL PLATE.
- JUNCTION BOX 4-11/16" SQUARE OR LESS, LOCATED ABOVE ACCESSIBLE CEILING.
- SAME AS EXCEPT PROVIDE WIRING IN RACEWAY TO EACH LIGHTING FIXTURE IN THIS ROOM USING OTHER OUTLET BOXES AS SPECIFIED.
- JUNCTION BOX OR WIREWAY, LARGER THAN 4-11/16".
- LOADCENTER OR PANELBOARD.
- LIGHTING CONTACTOR, 4-POLE, 30A.
- TIME CLOCK.
- PHOTOELECTRIC SWITCH.
- DATA/TELEPHONE OUTLET. NUMERAL INDICATES THE NUMBER OF CAT5 DROPS TO LOCATION; PROVIDE CAT 5 TO TELEPHONE DEMARCATION.
- TV LOCATION, PROVIDE COAX CABLE TO CATV DEMARCATION.
- SAFETY SWITCH.
- WIRING IN RACEWAY CONCEALED OVERHEAD OR IN WALLS. CROSSBARS INDICATE NUMBER OF CONDUCTORS IF MORE THAN TWO. REQUIRED GREEN EQUIPMENT GROUNDING CONDUCTOR IS NOT SHOWN AS A CROSSBAR. ARROWS INDICATE NUMBER OF CIRCUITS.

DIRECTORY	CRT NO.	BRK. AMPS	L1	L2	L3	BRK. AMPS	CRT NO.	DIRECTORY
UNIT HEATER	1	25	●	●	●	25	2	UNIT HEATER
UNIT HEATER	3	25	●	●	●	25	4	UNIT HEATER
UNIT HEATER	5	25	●	●	●	25	6	UNIT HEATER
UNIT HEATER	7	25	●	●	●	25	8	UNIT HEATER
UNIT HEATER	9	25	●	●	●	25	10	UNIT HEATER
UNIT HEATER	11	25	●	●	●	25	12	UNIT HEATER
UNIT HEATER	13	25	●	●	●	25	14	UNIT HEATER
UNIT HEATER	15	25	●	●	●	25	16	UNIT HEATER
UNIT HEATER	17	25	●	●	●	25	18	UNIT HEATER
UNIT HEATER	19	25	●	●	●	25	20	EXHAUST FANS
UNIT HEATER	21	25	●	●	●	40	22	EXHAUST FANS
UNIT HEATER	23	25	●	●	●	20	24	EXHAUST FANS
UNIT HEATER	25	25	●	●	●	20	26	OH DOOR
UNIT HEATER	27	25	●	●	●	20	28	OH DOOR
UNIT HEATER	29	25	●	●	●	20	30	OH DOOR
UNIT HEATER	31	25	●	●	●	20	32	OH DOOR
UNIT HEATER	33	30	●	●	●	20	34	APPARATUS LIGHTING
UNIT HEATER	35	30	●	●	●	20	36	GEN. BATTERY CHARGER
UNIT HEATER	37	30	●	●	●	30	38	GEN. BLOCK HEATER
UNIT HEATER	39	20	●	●	●	20	40	APPARATUS REC.*
UNIT HEATER	41	20	●	●	●	20	42	APPARATUS REC.*

VOLTAGE: 120/208V 3 PHASE 4 WIRE SN 10KAIC
 MAIN BREAKER: 200A, MLO
 MOUNTING: SURFACE
 NOTE: *GFCI PROTECTED

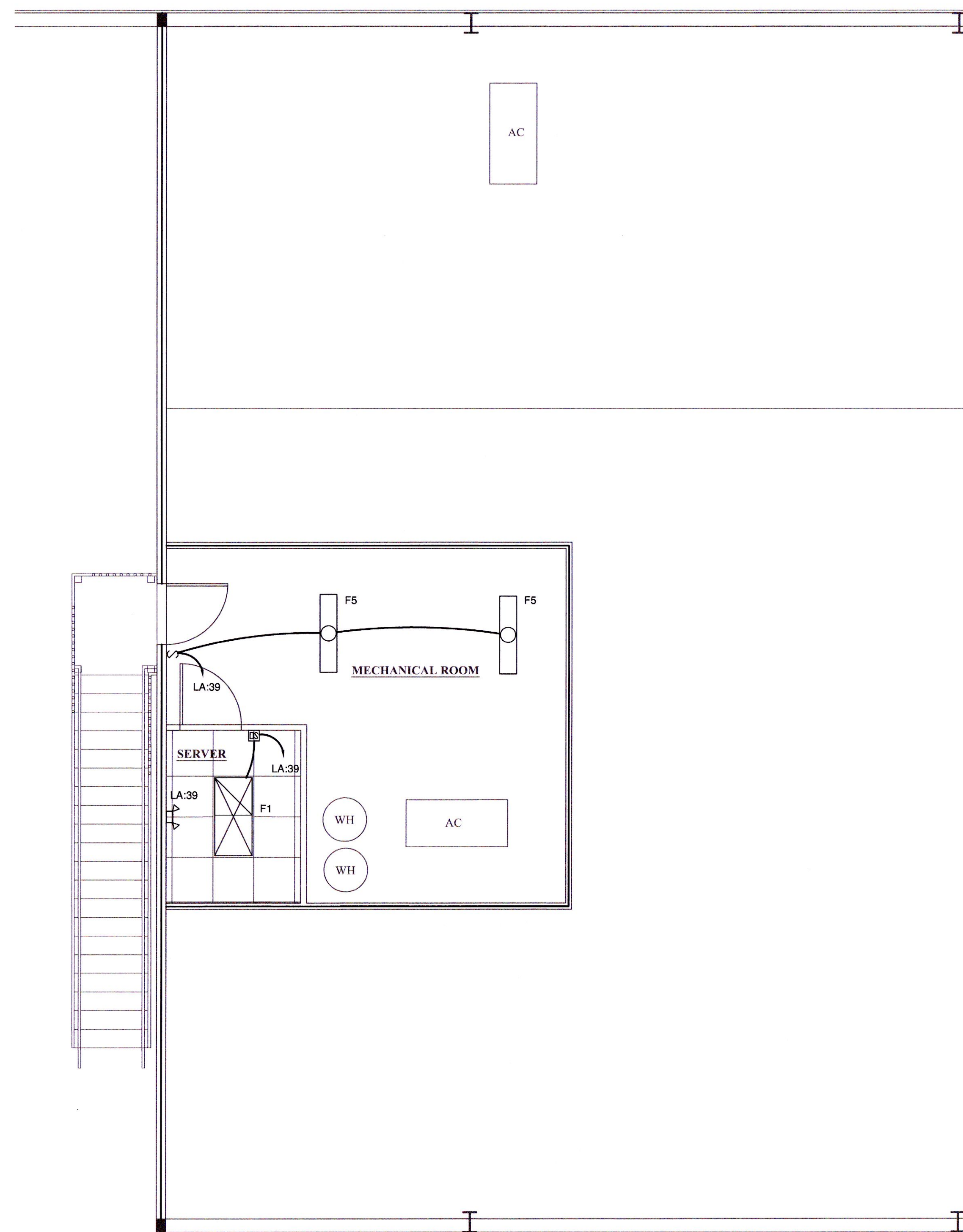
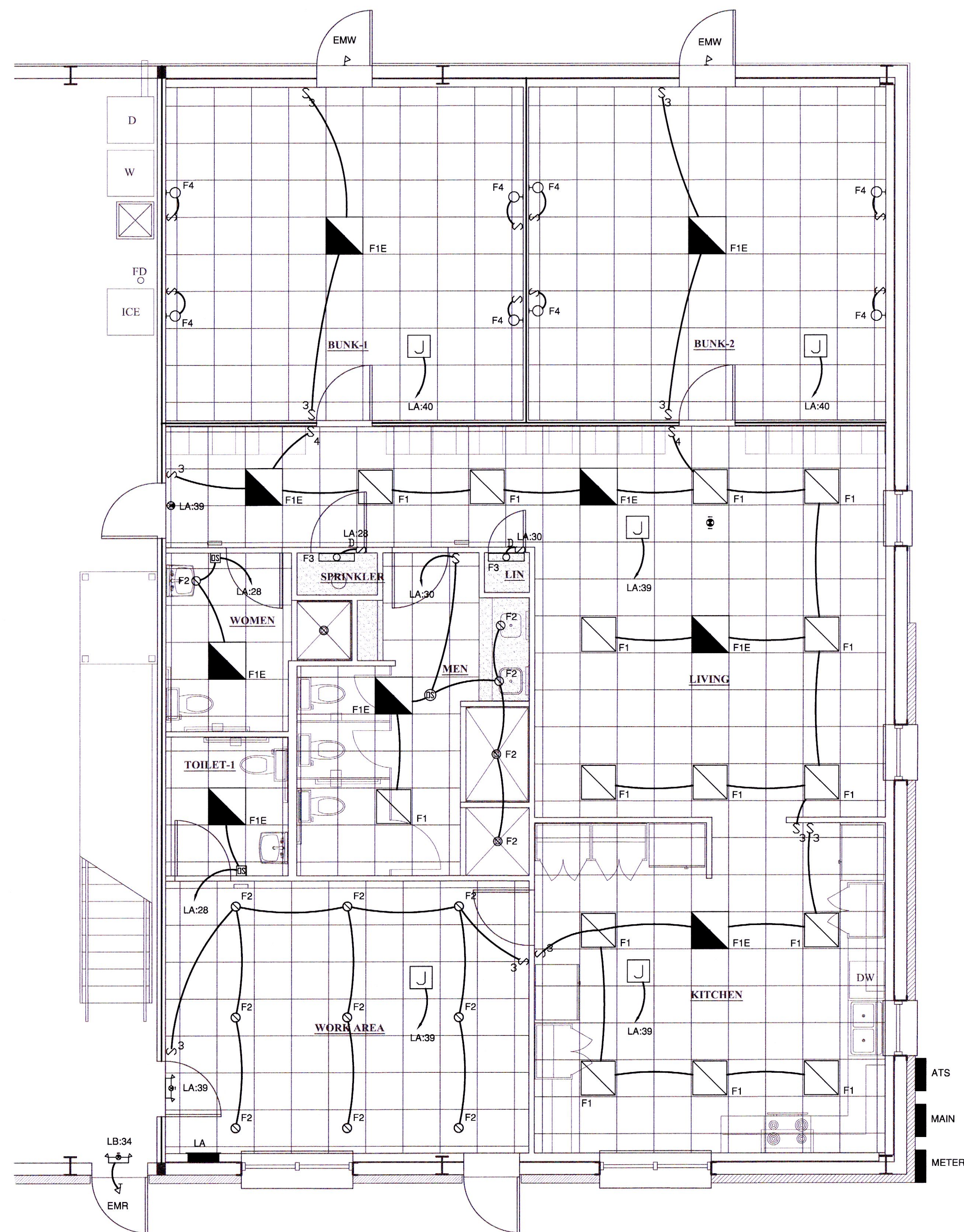
PANEL NO.	LB
LOCATION	SEE PLANS

DIRECTORY	CRT NO.	BRK. AMPS	L1	L2	L3	BRK. AMPS	CRT NO.	DIRECTORY
PANEL LB	1	125	●	●	●	100	2	CU1, 2, & 3
PANEL LB	3	125	●	●	●	100	4	CU1, 2, & 3
PANEL LB	5	125	●	●	●	50	6	RANGE*
PANEL LB	7	60	●	●	●	50	8	RANGE*
PANEL LB	9	60	●	●	●	35	10	AHU1
PANEL LB	11	20	●	●	●	20	12	AHU1
PANEL LB	13	20	●	●	●	20	14	WORK STATION**
PANEL LB	15	20	●	●	●	20	16	WORK STATION**
PANEL LB	17	20	●	●	●	20	18	WORK AREA DEDICATED REC.**
PANEL LB	19	20	●	●	●	20	20	KITCHEN COUNTERTOP**
PANEL LB	21	20	●	●	●	20	22	KITCHEN COUNTERTOP**
PANEL LB	23	20	●	●	●	20	24	COFFEE STATION**
PANEL LB	25	20	●	●	●	20	26	DISHWASHER/DISPOSAL**
PANEL LB	27	20	●	●	●	20	28	WOMEN/TOILET-1**
PANEL LB	29	20	●	●	●	20	30	MEN'S RESTROOM**
PANEL LB	31	20	●	●	●	20	32	BUNK-1**
PANEL LB	33	30	●	●	●	20	34	BUNK-1**
PANEL LB	35	20	●	●	●	20	36	BUNK-2**
PANEL LB	37	20	●	●	●	20	38	BUNK-2**
PANEL LB	39	20	●	●	●	20	40	BUNK LIGHTING**
PANEL LB	41	20	●	●	●	20	42	NORTH CANOPY LIGHTING
PANEL LB	43	20	●	●	●	20	44	SOUTH CANOPY LIGHTING
PANEL LB	45	20	●	●	●	20	46	POLE LIGHTS
PANEL LB	47	20	●	●	●	20	48	POLE LIGHTS
PANEL LB	49	20	●	●	●	20	50	SIGN
PANEL LB	51	30	●	●	●	50	52	RV
PANEL LB	53	30	●	●	●	50	54	RV

VOLTAGE: 120/208V 3 PHASE 4 WIRE SN 10KAIC
 MAIN BREAKER: 400A, MLO
 MOUNTING: FLUSH
 NOTE: *GFCI PROTECTED, **AFCI PROTECTED

PANEL NO.	LA
LOCATION	SEE PLANS

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NOTES

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2. ALL ELECTRICAL EQUIPMENT SHALL BE INSTALLED AS PER NATIONAL ELECTRICAL CODE NFPA 70 AND BE U.L. LISTED.
3. ELECTRICAL CONTRACTOR SHALL COORDINATE WITH MECHANICAL DRAWINGS, ARCHITECTURAL DRAWINGS, AND OWNER FOR EQUIPMENT LOCATIONS AND SPECIFICATIONS.
4. ALL FIXTURES ARE FURNISHED BY THE OWNER AND INSTALLED BY THE ELECTRICAL CONTRACTOR. FINISH AND INSTALL ALL CONDUIT, FITTINGS, CONDUCTORS, JUNCTION BOXES, COVERS, CONTROL DEVICES AND TERMINATIONS FOR A COMPLETE AND OPERATIONAL LIGHTING SYSTEM.

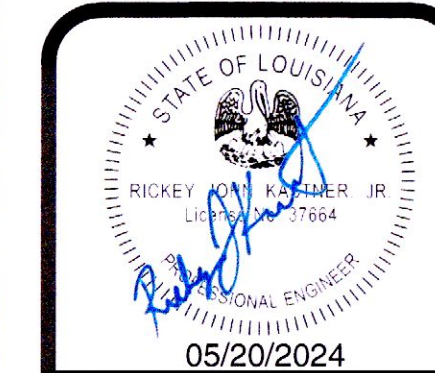
ELECTRICAL LIGHTING PLAN

SCALE: 1/4" = 1'

REVIEWED FOR STATE FIRE MARSHAL AS PER REVIEW LETTER BY WILLIAM D. JONES, ARCHITECT, CBO
William D. Jones

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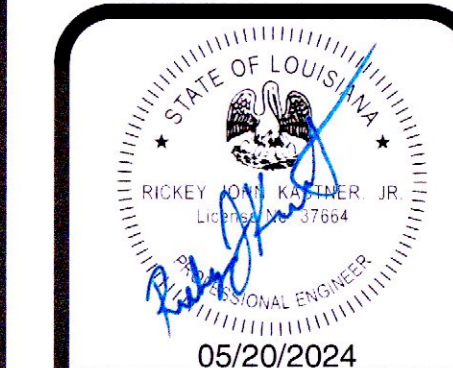
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 425 LEEWARD LOOP ST. TAMMANY PARISH
 COVINGTON, LOUISIANA 70433

JOSEPH F. SCHNEIDER JR., AIA
 ARCHITECT
 L.A #4206 MS #3020 TX #24294 FL #AR95908
 105 EVANGELINE DRIVE, SLIDELL, LOUISIANA 70460
 (985) 847-0714 jfsarchitect@charter.net

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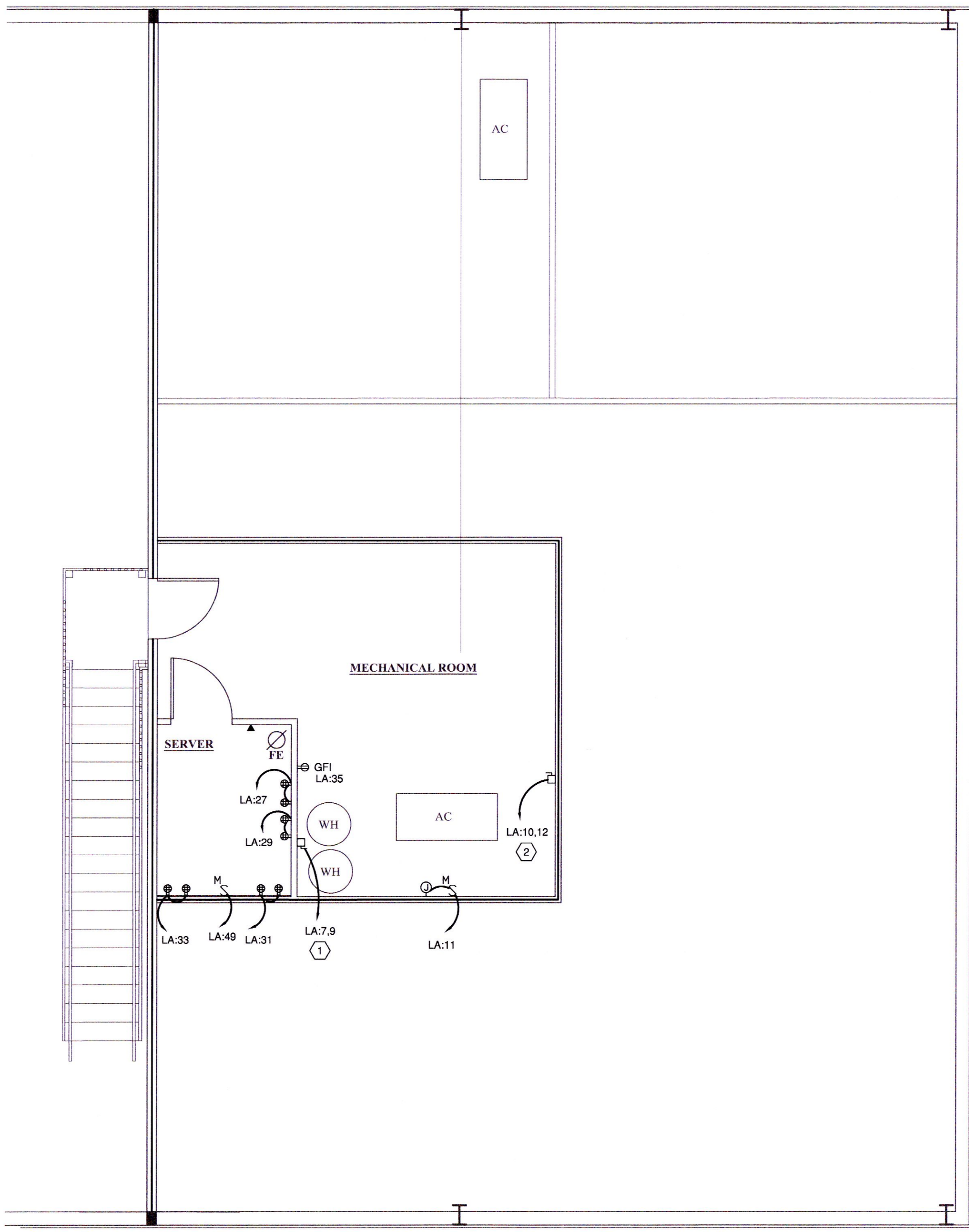
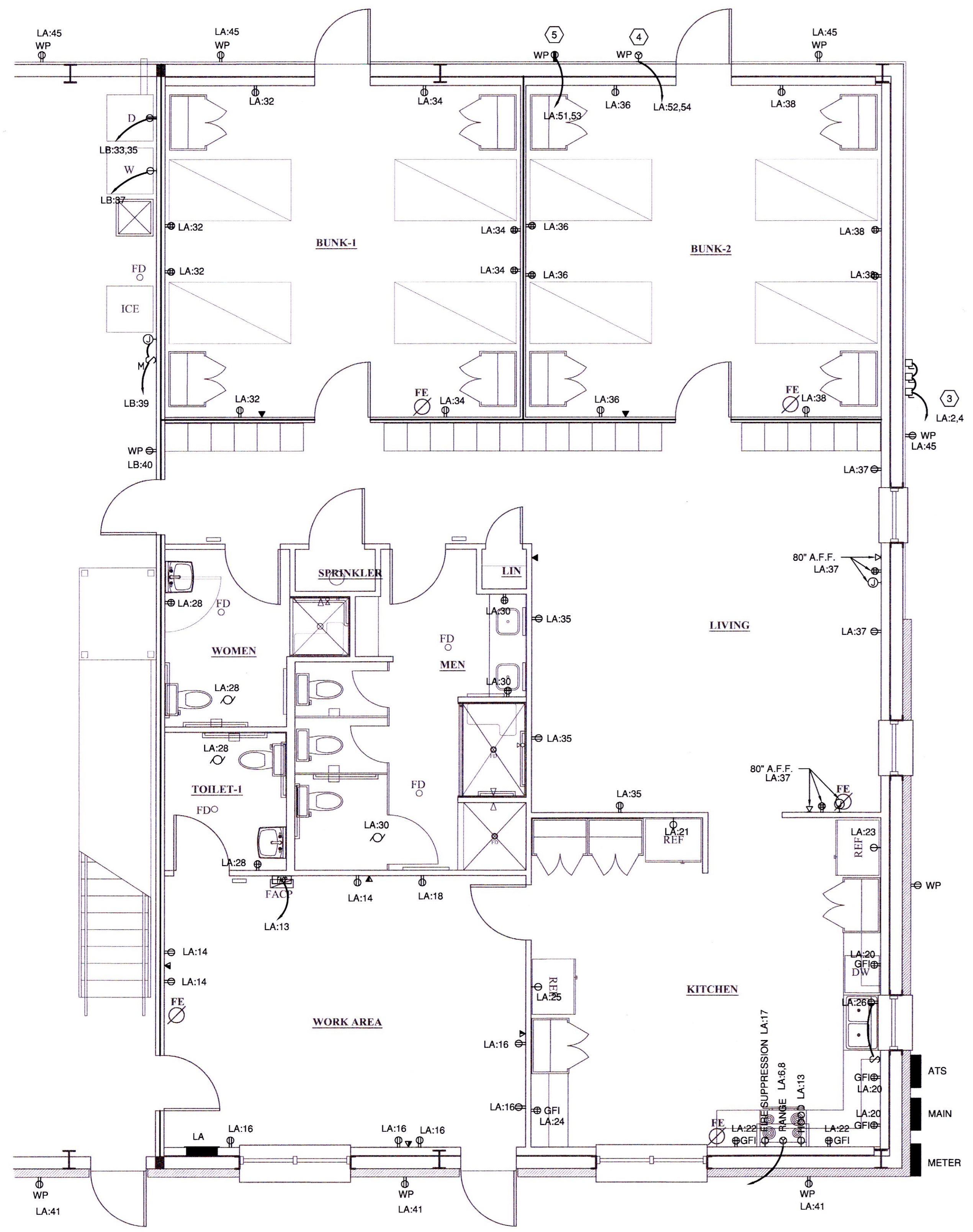
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NEW FIRE FIRE STATION NO. 134 FOR
 ST. TAMMANY FIRE DISTRICT NO. 13
 425 LEEWARD LOOP ST. TAMMANY PARISH
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 jfsarchitect@charter.net

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- ALL ELECTRICAL EQUIPMENT SHALL BE INSTALLED AS PER NATIONAL ELECTRICAL CODE NFPA 70 AND BE U.L. LISTED.
- ELECTRICAL CONTRACTOR SHALL COORDINATE WITH MECHANICAL DRAWINGS, ARCHITECTURAL DRAWINGS, AND OWNER FOR EQUIPMENT LOCATIONS AND SPECIFICATIONS.
- CAMERA, TELEPHONE, AND DATA LOCATIONS - PROVIDE JUNCTION BOX, 3/4" CONDUIT, AND PULLSTRING TO SERVER ROOM.

**ELECTRICAL - BUNK
 POWER PLAN**

SCALE : 1/4" = 1'

SPECIFIC NOTES

- ELECTRIC WATER HEATER - 60A, 208V, 2P, NEMA 1 FDS, FUSED AT 60A; 2 #6 AND 1 #10G IN 1" C.
- AHU1 - 60A, 208V, 2P, N1 FDS, FUSED AT 35A; 2 #8 AND 1 #10G IN 3/4" C.
- CONDENSING UNITS 1, 2, & 3 - PROVIDE 2 #2 AND 1 #8G IN 1-1/4" C TO NEMA 3R TROUGH FOR CU TAPS; CU1 TAP, 2#8 AND 1 #10G IN 3/4" C TO 60A, 208V, 2P, N3R FDS, FUSED AT 40A; CU2 TAP, 2 #10 AND 1 #10G IN 3/4" C TO 30A, 208V, 2P, N3R FDS, FUSED AT 30A; CU3 TAP, 2#10 AND 1 #10G IN 3/4" C TO 30A, 208V, 2P, N3R FDS, FUSED AT 25A.
- RV RECEPTACLE WITH WP COVER - 3 #8 AND 1 #10G IN 1 1/2" C. REVIEWED FOR STATE FIRE MARSHAL AS PER REVIEW LETTER WILLIAM D. JONES, ARCHITECT, CBO
- 30A, 220V RECEPTACLE WITH WP COVER - 3 #10 AND 1 #10G IN 3/4" C.

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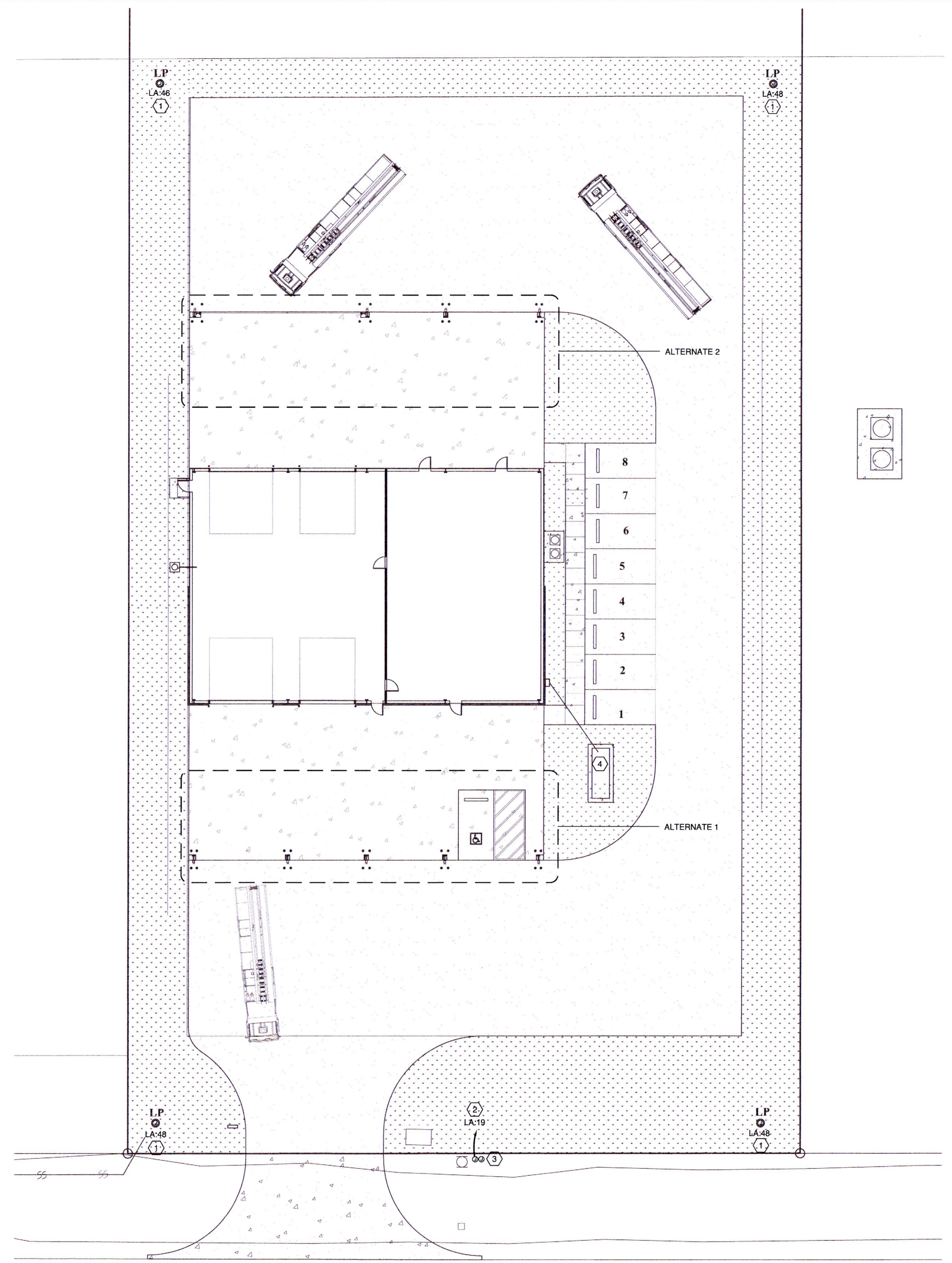


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**ELECTRICAL - SITE
 POWER & LIGHTING PLAN**
 SCALE : 1/16" = 1'

SPECIFIC NOTES

- FUTURE LIGHT POLE LOCATION, PROVIDE 2 #8 AND 1 #10G IN 1" C WITH WP JP AT FUTURE POLE LOCATION.
- SPRINKLER MAIN, PROVIDE 2 #10 AND 1 #10G IN 1" C.
- FIRE ALARM SPRINKLER MONITOR, PROVIDE (1) 1" C WITH PULL STRING FOR FIRE ALARM CONTRACTOR.
- 100KW GENERATOR LOCATION; GENERATOR PROVIDED BY OWNER; PAD PROVIDED BY GENERAL CONTRACTOR.

REVIEWED FOR
 STATE FIRE MARSHAL
 AS PER REVIEW LETTER
 BY: WILLIAM D. JONES, ARCHITECT, CBO
William D. Jones

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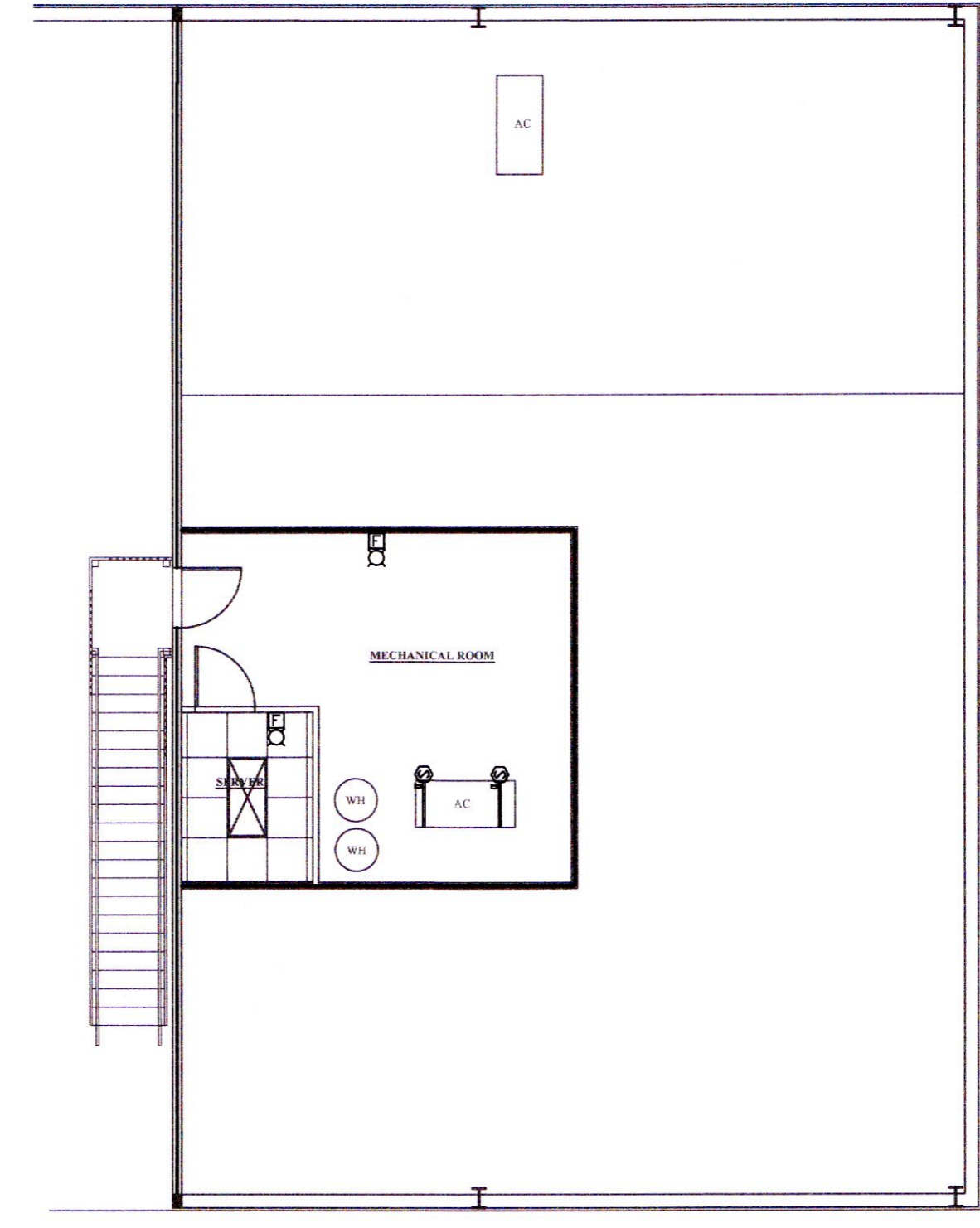
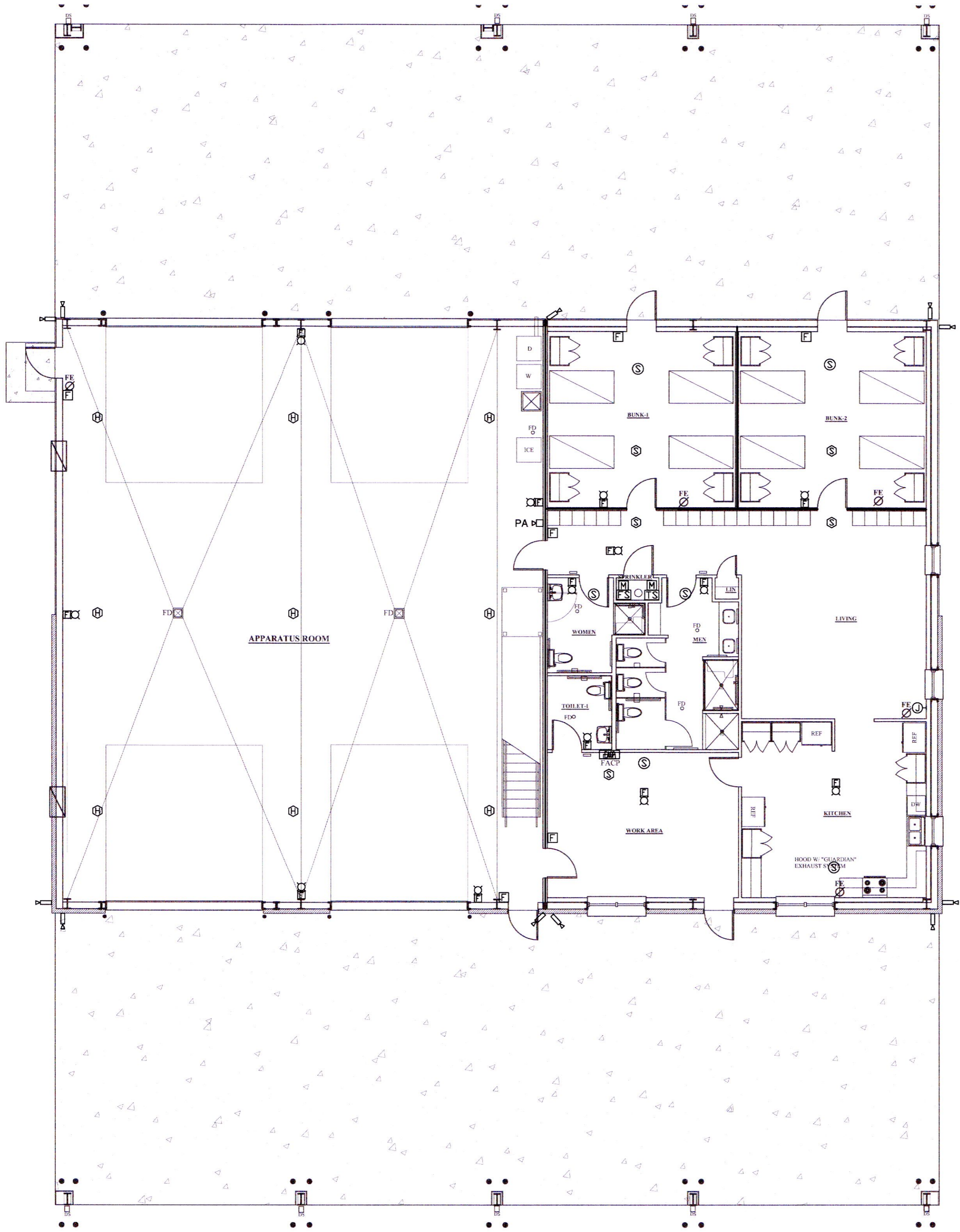


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4. CAMERA, TELEPHONE, AND DATA LOCATIONS - PROVIDE JUNCTION BOX, 3/4" CONDUIT, AND PULLSTRING TO SERVER ROOM.

FIRE ALARM SPECIFICATIONS

1. CONTRACTOR SHALL PROVIDE THE SERVICES OF A LOUISIANA LICENSED FIRE ALARM CONTRACTOR TO PROVIDE A COMPLETE AND OPERABLE FIRE ALARM SYSTEM APPROVED BY LOUISIANA STATE FIRE MARSHAL AND ORLEANS PARISH.
2. FIRE ALARM CONTRACTOR TO PROVIDE AND INSTALL ADDRESSABLE ANALOG FIRE ALARM SYSTEM, INCLUDING PULL STATIONS, SMOKE ALARMS, SMOKE DETECTORS, HEAT DETECTORS, NOTIFICATION DEVICES, ANNUNCIATOR AT ENTRANCE AND OUTSIDE STROBE AND OUTSIDE ALARM BELL. CONTRACTOR TO ARRANGE PERMITS, INSPECTIONS, FEES, CHECK LIST, SUBMITTALS AND MAKE ANY CHANGES REQUIRED BY AUTHORITY HAVING JURISDICTION - WITHOUT ADDITIONAL COST TO THE OWNER. ADDITIONAL DEVICES MAY BE REQUIRED OTHER THAN THE DEVICES SHOWN ON THE FLOOR PLANS AND REFLECTED CEILING PLANS TO PROVIDE A COMPLETE AND OPERATIONAL SYSTEM.
3. PROVIDE DUCT DETECTORS AND SMOKE CONTROL AS REQUIRED FROM MECHANICAL EQUIPMENT AND PROVIDE TEST STATIONS AS NEEDED.
4. PROVIDE ALL REQUIRED VOICE COMMUNICATIONS SYSTEMS FOR AREAS OF REFUGE.
5. PROVIDE ALL RELAYS AND BACK BOXES REQUIRED FOR ELEVATOR COMMUNICATIONS.

**ELECTRICAL
 FIRE ALARM AND SPECIAL
 SYSTEMS PLAN**

SCALE : 1/8" = 1'

SPECIFIC NOTES

1. APPARATUS ROOM EXHAUST FAN - 30A, 240V, 2P, NEMA 3R FDS, FUSED AT 20A; 2 #10 AND 1 #10G IN 1/2" C.
2. OVERHEAD DOOR - 2 #10 AND 1 #10G IN 1/2" C.
3. DOMESTIC WATER WELL - 2 #10 AND 1 #10G IN 1/2" C.
4. DOMESTIC WATER TANK/SOFTENER - 2 #10 AND 1 #10G IN 1/2" C.
5. PROVIDE 1" WITH PULLSTRING AND JUNCTION BOX FOR FUTURE REVIEWED FOR STATE FIRE MARSHAL AS PER REVIEW LETTER BY WILLIAM D. JONES, ARCHITECT, CBO
6. 50A, 120/208V, SINGLE-PHASE RV RECEPTACLE WITH WEATHER RESISTANT IN-USE COVER OR NEMA 3R ENCLOSURE, NEMA 1-50R-3 #8 AND 1 #10G IN 1" C.

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