

LIFE SAFETY LEGEND

	EXIT SIGN
	TRAVEL DISTANCE: 150' MAX
	NO WORK AREA
	5 LB. ABC TYPE PORTABLE FIRE EXTINGUISHER
	EMERGENCY EXIT LIGHTS
	EMERGENCY BATTERY UNIT WITH LIGHTS

NOTES:
 1. ALL EXIT DOORS SHALL BE 3'-0" WIDE, 35" CLEAR WITH / .02 IN. PER PERSON AS PER TABLE 1004 OF THE F.B.C.
 2. FIRE EXTINGUISHER INSTALLED SO THAT MAXIMUM TRAVEL DISTANCE FROM ANY POINT IS NO MORE THAN 75 L.F.
 3. EXIT SIGNS MUST COMPLY WITH NFPA 101 CHAPTER 7.

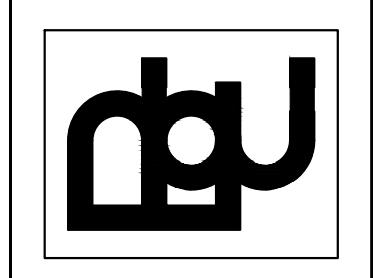
CODE DATA
 USE AND OCCUPANCY CLASSIFICATION: F-2
 CONSTRUCTION TYPE: V-B UNSPRINKLERED
 BUILDING HEIGHT: 1-5 STORY <15'
 REQUIRED FIRE RESISTANCE OF RATING (TABLE 601.FBC 7TH ED. (2020)):
 EXTERIOR BEARING WALLS: 1 HR
 BEARING AND NON BEARING INTERIOR WALLS: 01HR
 PARTY WALL SEPARATION: 1HR

NUMBER AND ARRANGMENT OF EXITS

USE & OCCUPANCY	MINIMUM NUMBER OF	TRAVEL DISTANCE (FT.)
BUSINESS, WAREHOUSE OCCUPANT LOAD FACTOR: 150, 500	REQ'D	ALLOWABLE TRAVEL DISTANCE (TABLE 1017)
13 (SEE TABLE 1)	2	200'
	2	ACTUAL TRAVEL DISTANCE SHOWN ON PLANS 94'

TABLE 1

ROOM#	ROOM	AREA (S.F.)	#/NET PER PERSON	OCC LOAD
101	OFFICE	138	S.F. / 150 GROSS	1
102	OFFICE	93	S.F. / 150 GROSS	1
103	OFFICE	136	S.F. / 150 GROSS	1
104	OFFICE	111	S.F. / 150 GROSS	1
105	RESTROOM	40	S.F. / 100 GROSS	1
106	SITTING	109	S.F. / 100 GROSS	1
107	WAREHOUSE	1333	S.F. / 500 GROSS	3
108	WAREHOUSE	1334	S.F. / 500 GROSS	3
TOTAL BUILDING OCC LOAD =				12



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FIRE DAMAGE REPAIR
 101 SW 5 STREET
 POMPANO BEACH, FL 33060

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SCOTT R. BRENNAN

E.B. # 7686
 P.E. NO. 51311

GENERAL NOTES:

THESE PLANS AND THE ASSOCIATED CALCULATIONS HAVE BEEN PREPARED IN ACCORDANCE WITH THE FLORIDA BUILDING CODE, 7TH ED. (2020).

THE BUILDER SHALL REVIEW DRAWINGS IN THEIR ENTIRETY BEFORE STARTING WORK. THE BUILDER SHALL ACCEPT FULL RESPONSIBILITY FOR ANY ERRORS OR OMISSIONS NOT REPORTED IMMEDIATELY IN WRITING TO THIS ENGINEER. BY SUBMITTING THESE PLANS FOR PERMIT, THE BUILDER ACCEPTS FULL RESPONSIBILITY FOR THE ACCURACY OF THE INFORMATION DEPICTED WITHIN AND IT IS ASSUMED THAT THE BUILDER HAS READ AND UNDERSTANDS THE NOTES BELOW.

STRUCTURAL DRAWINGS SHALL BE USED IN CONJUNCTION WITH JOB SPECIFICATIONS AND ARCHITECTURAL, MECHANICAL, ELECTRICAL, PLUMBING, AND SITE DRAWINGS.

CONSULT ARCHITECTURAL DRAWINGS FOR SLEEVES, DEPRESSIONS, AND OTHER DETAILS NOT SHOWN ON STRUCTURAL DRAWINGS.

ALL DETAILS AND SECTIONS SHOWN ON THE DRAWINGS ARE INTENDED TO BE TYPICAL AND SHALL BE CONSTRUED TO APPLY TO ANY SIMILAR SITUATION ELSEWHERE ON THE PROJECT, EXCEPT WHERE A DIFFERENT DETAIL IS SHOWN.

ALL DIMENSIONS AND CONDITIONS MUST BE VERIFIED IN THE FIELD.

DO NOT SCALE THE DRAWINGS. FOLLOW WRITTEN DIMENSIONS ONLY. ANY DISCREPANCIES SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER PRIOR TO PROCEEDING WITH THE AFFECTED PART OF THE WORK.

THE STRUCTURE IS DESIGNED TO BE SELF SUPPORTING AND STABLE AFTER THE BUILDING IS COMPLETE.

IT IS THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE ERECTION PROCEDURES AND SEQUENCES TO INSURE SAFETY OF THE BUILDING AND ITS COMPONENTS DURING ERECTION. THIS WORK INCLUDES THE ADDITION OF NECESSARY SHORING, SHEETING, TEMPORARY BRACING, GUYS OR TIEDOWNS.

THE CONTRACTOR SHALL SUPPLEMENT THE MINIMUM REQUIRED FOUNDATION AND SITE PREPARATION REQUIREMENTS AND SLAB-ON-GRADE THICKNESS TO HANDLE CONSTRUCTION LOADS.

THE STRUCTURAL FRAMING SHOWN IS SCHEMATIC IN NATURE. HOWEVER THE SUPPORTING STRUCTURE HAS BEEN DESIGNED UNDER THE ASSUMPTION THE FRAMING SCHEME SHOWN WILL CLOSELY PARALLEL FINAL FLOOR DESIGNERS LAYOUT. PROVIDE SIGNED AND SEALED SHOP DRAWINGS AND CALCULATIONS FOR APPROVAL. REVIEW OF SHOP DRAWINGS IS REQUIRED AS THE ENGINEER CHECKS BEAM, WALL, COLUMN AND FOOTING CAPACITIES AGAINST KNOWN LOADING. FAILURE TO PROVIDE SHOP DRAWINGS MAY RESULT IN ADDITIONAL ENGINEERING COSTS DURING CONSTRUCTION.

SHOP DRAWING REVIEW:

SHOP DRAWINGS WILL BE REVIEWED FOR GENERAL COMPLIANCE WITH THE DESIGN INTENT OF THE CONTRACT DOCUMENTS ONLY.

IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY COMPLIANCE WITH THE CONTRACT DOCUMENTS AS TO QUANTITY, LENGTH, ELEVATIONS, DIMENSIONS, ETC.

ALL SHOP DRAWINGS SHALL BE REVIEWED BY THE CONTRACTOR PRIOR TO SUBMITTAL TO THE ARCHITECT/ENGINEER. DRAWINGS SUBMITTED WITHOUT REVIEW WILL BE RETURNED UNCHECKED.

SHOP DRAWINGS IN THE FORM OF REPRODUCIBLE SEPIAS OF STRUCTURAL DRAWINGS (CONTRACT DOCUMENTS) ARE PROHIBITED WITHOUT THE EXPRESS WRITTEN PERMISSION FROM THE ENGINEER.

IN ALL INSTANCES, THE CONTRACT DOCUMENTS WILL GOVERN OVER THE SHOP DRAWINGS CHECKED, UNLESS OTHERWISE SPECIFIED IN WRITING BY THE ENGINEER.

GRAVITY LOADING:

SUPERIMPOSED:
ROOF LIVE LOAD = 30 PSF
ROOF DEAD LOAD = 25 PSF

CONCRETE:

CONCRETE DESIGN HAS BEEN PERFORMED IN ACCORDANCE WITH ACI 318-14, BUILDING CODE REQUIREMENTS FOR STRUCTURAL CONCRETE.

NORMAL WEIGHT CONCRETE (145 PCF) 28-DAY COMPRESSIVE STRENGTH:
PILING 5000 PSI WITH .40 WATER-CEMENT RATIO
SHALLOW FOUNDATIONS 2500 PSI
PILE SUPPORTED FOUNDATIONS 5000 PSI WITH .40 WATER TO CEMENT RATIO
COLUMNS, BEAMS, AND ELEVATED SLABS: 3000 PSI

Table with 3 columns: CONCRETE SLUMP SHALL BE AS FOLLOWS, MIN, MAX. Rows include MASSIVE SECTIONS, PAVEMENTS, AND SLABS; HEAVY SLABS, BEAMS, WALLS; THIN WALLS, COLUMNS.

MINIMUM CONCRETE CLEAR COVER SHALL BE:
SLAB - 3/4"
BEAMS AND COLUMNS - 1-1/2"
THE COLUMNS - 3/4"
EXPOSED UNPROTECTED CONCRETE - 1-1/2"
FORMED CONCRETE BELOW GRADE - 2"
UNFORMED CONCRETE BELOW GRADE - 3"

PLACING DRAWINGS AND BAR LISTS SHALL CONFORM TO A.C.I.'S "MANUAL OF STANDARD PRACTICE FOR DETAILING REINFORCED CONCRETE STRUCTURES." (A.C.I. 315)

DETAILS OF CONCRETE REINFORCEMENT SHALL BE IN ACCORDANCE WITH "THE MANUAL OF STANDARD PRACTICE FOR REINFORCED CONCRETE CONSTRUCTION" AS PUBLISHED BY THE CONCRETE REINFORCING STEEL INSTITUTE UNLESS OTHERWISE INDICATED.

CONCRETE CONSTRUCTION TECHNIQUES SHALL CONFORM TO THE "SPECIFICATIONS FOR STRUCTURAL CONCRETE FOR BUILDINGS" (ACI 301).

ADEQUATE VERTICAL AND HORIZONTAL SHORING SHALL BE PROVIDED TO SAFELY SUPPORT ALL CONSTRUCTION LOADS.

CONCRETE BEAM SIZES MAY BE INCREASED AS REQUIRED FOR ARCHITECTURAL DETAILS OR TO FIT BLOCK COURSING.

CONTRACTOR SHALL SUBMIT PROPOSED MIX DESIGNS, WITH HISTORICAL STRENGTH DATA FOR EACH SEPARATE MIX PRIOR TO CONCRETE PLACEMENT.

CONCRETE SHALL COMPLY WITH ALL THE REQUIREMENTS OF ACI 301 AND ASTM C-94 FOR MEASURING, MIXING, TRANSPORTING, ETC.

CONCRETE TICKETS SHALL BE TIME-STAMPED WHEN CONCRETE IS BATCHED. THE MAXIMUM TIME ALLOWED FROM WHEN WATER IS ADDED TO THE MIX UNTIL IT IS DEPOSITED IN ITS FINAL POSITION SHALL NOT EXCEED 90 MINUTES. IF FOR ANY REASON THERE IS A DELAY SUCH THAT A BATCH IS HELD FOR LONGER THAN 90 MINUTES, THE CONCRETE SHALL NOT BE PLACED.

IT SHALL BE THE RESPONSIBILITY OF THE TESTING LABORATORY TO NOTIFY THE OWNER'S REPRESENTATIVE AND THE CONTRACTOR OF ANY NONCOMPLIANCE WITH THE ABOVE.

ALL CONCRETE SHALL BE CURED USING A CURING COMPOUND MEETING ASTM STANDARD C-309, TYPE 1. CURING COMPOUNDS SHALL HAVE A FUGITIVE DYE. THE CURING COMPOUND SHALL BE PLACED AS SOON AS THE FINISHING IS COMPLETED OR AS SOON AS THE VISIBLE WATER HAS LEFT THE UNFINISHED CONCRETE.

ALL SCUFFED OR BROKEN AREAS IN THE CURING MEMBRANE SHALL BE RECOATED DAILY.

CALCIUM CHLORIDES SHALL NOT BE UTILIZED IN THE WORK.

OTHER ADMIXTURES MAY BE USED ONLY WITH THE APPROVAL OF THE ENGINEER.

FORMWORK:

FORMWORK, SHORING, AND BRACING FOR ALL CONCRETE BEAMS, SLABS, COLUMNS, WALLS, AND FOOTINGS SHALL BE DESIGNED AND CONSTRUCTED IN ACCORDANCE WITH ACI 347, "RECOMMENDED PRACTICE FOR CONCRETE FORMWORK".

REINFORCING STEEL:

REBAR SHALL BE ASTM A615 GRADE 60 DEFORMED BARS, FREE FROM OIL, SCALE, AND RUST AND PLACED IN ACCORDANCE WITH THE TYPICAL BENDING DIAGRAM AND PLACING DETAILS OF THE ACI STANDARDS AND SPECIFICATIONS.

CONTRACTOR SHALL SUBMIT REBAR SHOP DRAWINGS FOR REVIEW PRIOR TO FABRICATION.

HORIZONTAL AND VERTICAL BARS SHALL LAP 6 x BAR NO., SEE LAP SPLICE SCHEDULE. UNSCHEDULED FIELD LAPS ARE SUBJECT TO ENGINEER'S REVIEW.

TENSION LAP SPLICE SCHEDULE:

Table with columns: BAR No., MASONRY SPICE LENGTH, PLAIN REINFORCEMENT OTHER THAN TOP BARS (3000 PSI, 4000 PSI), TOP BARS (3000 PSI, 4000 PSI). Rows 3-7.

PROVIDE 3' x 3' CORNER BARS LAPPED AND TIED TO EACH BEAM REBAR, TYPICAL AT ALL CORNERS. THESE CORNER BARS SHALL BE THE SAME SIZE AS LONGITUDINAL BEAM BARS. SEE DETAILS FOR ADDITIONAL INFORMATION.

REINFORCEMENT SHALL BE CAREFULLY PLACED, RIGIDLY SUPPORTED AND WELL TIED WITH BAR SUPPORTS AND SPACERS.

REINFORCING STEEL IN FOOTINGS SHALL BE ASSEMBLED AS MATS WITH BARS EQUALLY SPACED AND WIRED TOGETHER AT EACH INTERSECTION BEFORE CONCRETE IS PLACED.

DOWEL COLUMN AND WALL REINFORCING TO FOOTING WITH SAME SIZE AND NUMBER OF DOWELS AS VERTICAL BARS ABOVE.

DOWELS SHALL BE HOOKED "L" AT BOTTOM AND SHALL BE LAPPED 48 BAR DIAMETER WITH THE COLUMN OR WALL REINFORCING ABOVE.

CONCRETE COLUMNS SHALL BE TIED COLUMNS UNLESS OTHERWISE INDICATED.

WELDED WIRE MESH:

WELDED WIRE MESH SHALL BE ASTM A185, GRADE 65, FREE FROM OIL, SCALE, AND RUST, AND SHALL BE PLACED IN ACCORDANCE WITH THE ACI TYPICAL DETAILS.

MINIMUM LAP SHALL BE ONE SPACE PLUS TWO INCHES.

MASONRY:

STRUCTURAL DESIGN IS IN ACCORDANCE WITH A.C.I.530-13/ASCE 5-13/TMS 402-16, BUILDING CODE REQUIREMENTS FOR MASONRY STRUCTURES AND THE COMMENTARY ON BUILDING CODE REQUIREMENTS FOR MASONRY STRUCTURES.

CONSTRUCTION SHALL BE IN ACCORDANCE WITH A.C.I.530-13/ASCE 6-13/TMS 602-16, SPECIFICATIONS FOR MASONRY STRUCTURES AND THE COMMENTARY ON SPECIFICATIONS FOR MASONRY STRUCTURES.

ALL BLOCK WALLS SHALL BE TWO-CELL HOLLOW CONCRETE MASONRY REGULAR SIZE BLOCK MANUFACTURED IN CONFORMANCE WITH ASTM C-90, GRADE N, Fm=1500 PSI.

BLOCK SHALL BE PLACED IN RUNNING BOND UNLESS OTHERWISE NOTED. LAY UP MASONRY WALLS TO BOTTOM OF THE BEAMS BEFORE PLACING CONCRETE FOR IN WALL COLUMNS.

GROUT USED TO FILL MASONRY CELLS SHALL COMPLY WITH ASTM C-476 AND SHALL PROVIDE A MINIMUM COMPRESSIVE STRENGTH OF 3,000 PSI AT 28 DAYS. THE GROUT MIX SHALL HAVE A MAXIMUM 3/8" COURSE AGGREGATE AND SHALL BE PLACED WITH A SLUMP OF 8" TO 10". USE MECHANICAL VIBRATION TO CONSOLIDATE GROUT.

TYPE 5 MORTAR SHALL BE USED EXCLUSIVELY ON THIS PROJECT. MORTAR SHALL BE PROPORTIONED AND MIXED AS OUTLINED UNDER ASTM C-270. HORIZONTAL AND VERTICAL MORTAR JOINTS SHALL BE 3/8" THICK UNLESS OTHERWISE NOTED. REMOVE MORTAR PROTRUSIONS THAT EXTEND INTO THE CELLS TO BE FILLED. ALLOW A MINIMUM OF 24 HOURS FOR MORTAR TO CURE PRIOR TO GROUTING CELLS.

HORIZONTAL MORTAR JOINTS SHALL BE REINFORCED WITH STANDARD 9 GAGE LADDER-TYPE DUR-O-WAL (ASTM CLASS B-2, HOT DIPPED GALVANIZED) AT ALTERNATE COURSES (16" ON CENTER), UNLESS OTHERWISE NOTED. JOINT REINFORCEMENT SHALL BE CONTINUOUS AND SHALL LAP A MINIMUM OF 8".

TENSION AND COMPRESSION LAPS = .002 X BAR DIAMETER X fs (NOTE THAT fs=24 KSI MAXIMUM (4 X Fy)) (THIS EQUATES TO 48 X BAR DIAMETER)

MASONRY CONSTRUCTION SHALL BE PERFORMED UNDER THE DIRECT SUPERVISION OF A "CERTIFIED STRUCTURAL MASONRY CONTRACTOR". THE SUPERVISOR OF THE MASONRY PORTION OF THE PROJECT SHALL BE A "CERTIFIED STRUCTURAL MASONRY CONTRACTOR" OR A "CERTIFIED STRUCTURAL MASON" AS RECOGNIZED BY THE FLORIDA CONCRETE AND PRODUCTS ASSOCIATION (FC&PA). THE SENIOR MASONRY SUPERVISOR WILL BE RESPONSIBLE TO ASSURE THAT THE WORK IS ACCOMPLISHED IN ACCORDANCE WITH THE CONTRACT DOCUMENTS. THE MASONRY CONTRACTOR SHALL SUBMIT CREDENTIALS FOR THE FC&PA TO THE ENGINEER FOR REVIEW AND APPROVAL PRIOR TO BIDDING.

REINFORCING BAR SHALL BE IN ALL WALL INTERSECTIONS AND AT EACH SIDE OF ALL OPENINGS.

REINFORCING BARS SHALL BE AT ALL GIRDER TRUSSES WITH GRAVITY LOADS GREATER THAN 3500 LBS.

MULLION SCHEDULE table with columns: TAG, TYPE, MANUFACTURER, MODEL, SIZE (W X H), MAX PRODUCT PRESSURE, DESIGN PRESSURE, IMPACT, NOA #, EXPIRATION DATE, NOTES.

WINDOW SCHEDULE table with columns: TAG, TYPE, MANUFACTURER, MODEL, OPENING SIZE (W X H), MAX PRODUCT PRESSURE, DESIGN PRESSURE, IMPACT, NOA #, EXPIRATION DATE, NOTES.

DOOR SCHEDULE table with columns: TAG, TYPE, MANUFACTURER, MODEL, OPENING SIZE (W X H), MAX PRODUCT PRESSURE, DESIGN PRESSURE, IMPACT, NOA #, EXPIRATION DATE, NOTES.

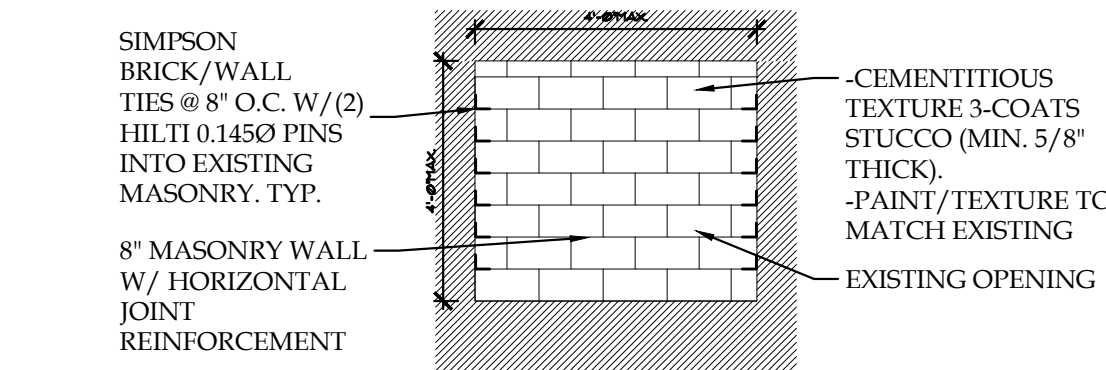
WIND LOADING ASCE 7-16 ENCLOSED AND F.B.C. 7th ED. (2020).

WIND SPEED = 170 MPH
MEAN ROOF HEIGHT =15'-0"

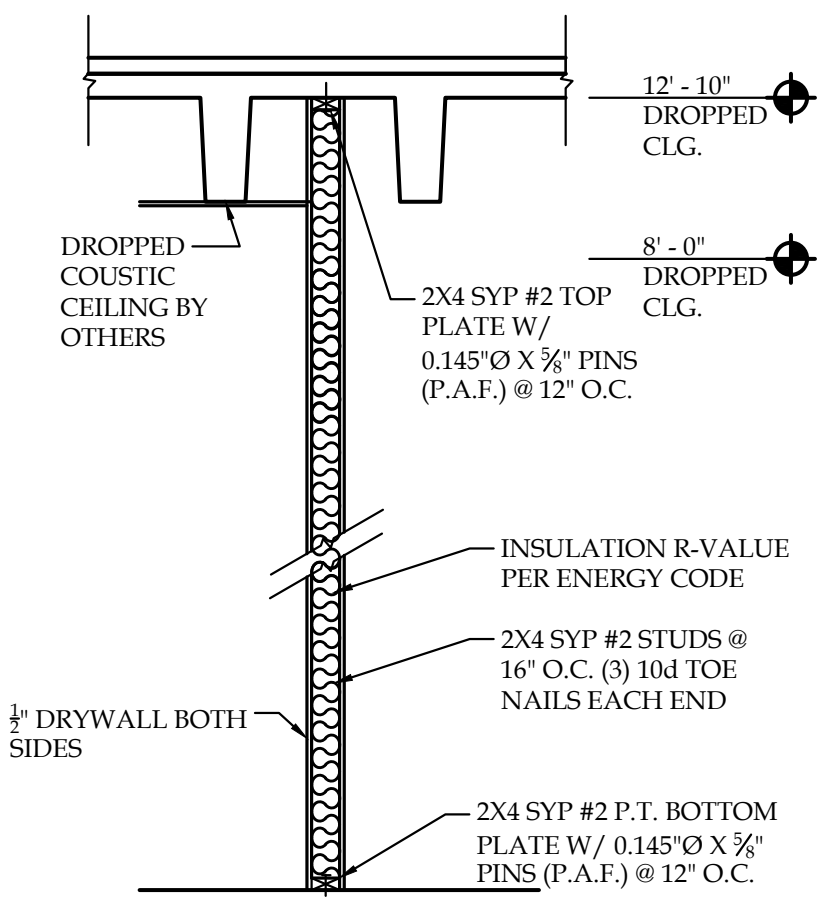
EXPOSURE C
RISK FACTOR II
INTERNAL PRESSURE COEFFICIENT = +/- .18 (ENCLOSED)

VELOCITY PRESSURE =32.07 PSF (WORKING LOADS)
10 PSF USED FOR DEAD LOAD IN CALCULATING NET UPLIFT PRESSURES.
FOLLOWING UPLIFT PRESSURES BASED ON ATRIB=10 SF

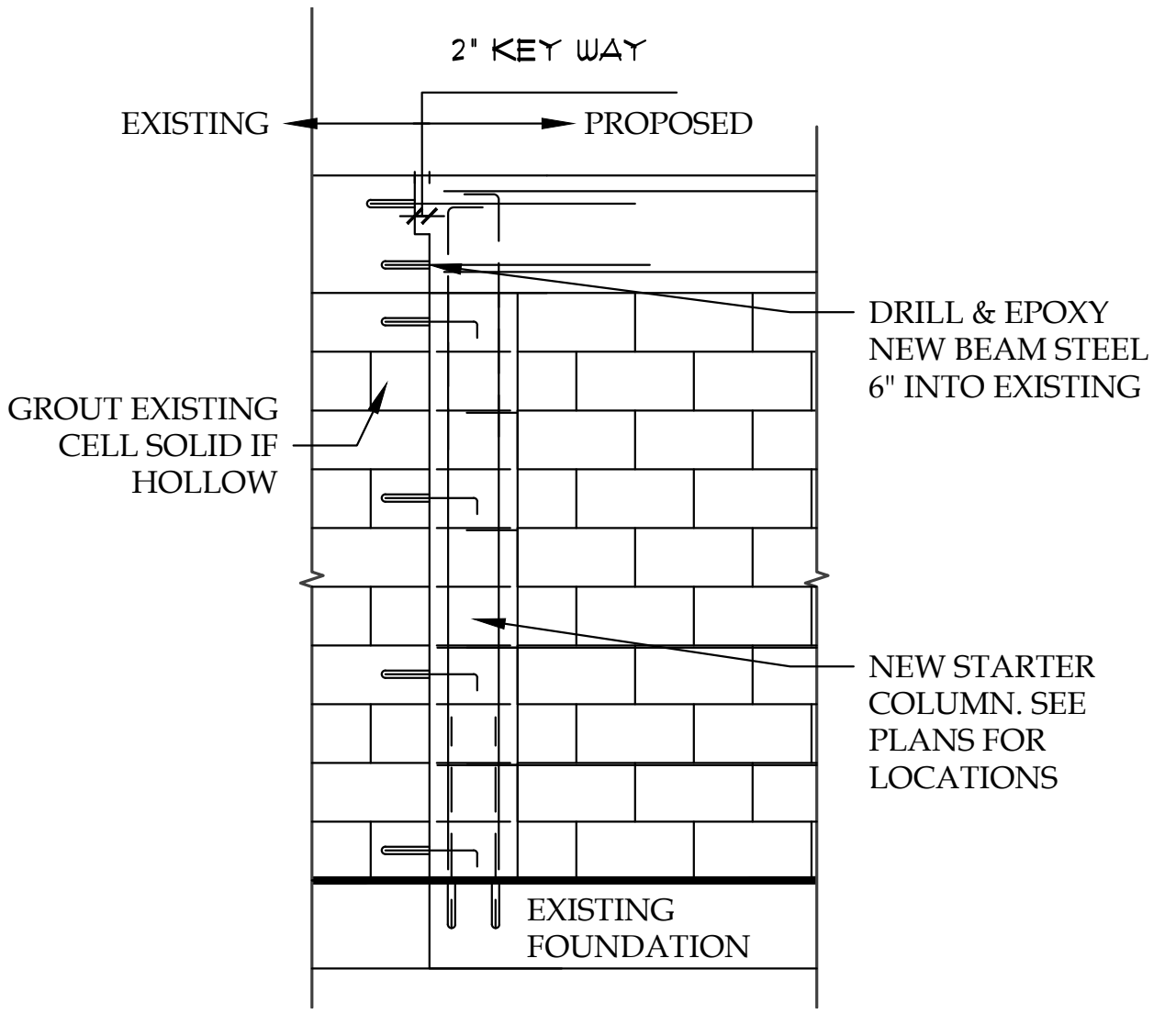
ZONE 1 WIND UPLIFT = 42.74 PSF
ZONE 2 WIND UPLIFT = 68.10 PSF
ZONE 3 WIND UPLIFT = 100.70 PSF
ZONE 2 WIND UPLIFT (OH) = 86.21 PSF
ZONE 3 WIND UPLIFT (OH) = 140.54 PSF
FOLLOWING PRESSURES BASED ON ATRIB=20 SF
ZONE 4 & 5 MAXIMUM POSITIVE COMPONENT AND CLADDING PRESSURE = +48.15 PSF
ZONE 4 MAXIMUM NEGATIVE COMPONENT AND CLADDING PRESSURE = -52.42 PSF
ZONE 5 MAXIMUM NEGATIVE COMPONENT AND CLADDING PRESSURE = -43.07 PSF



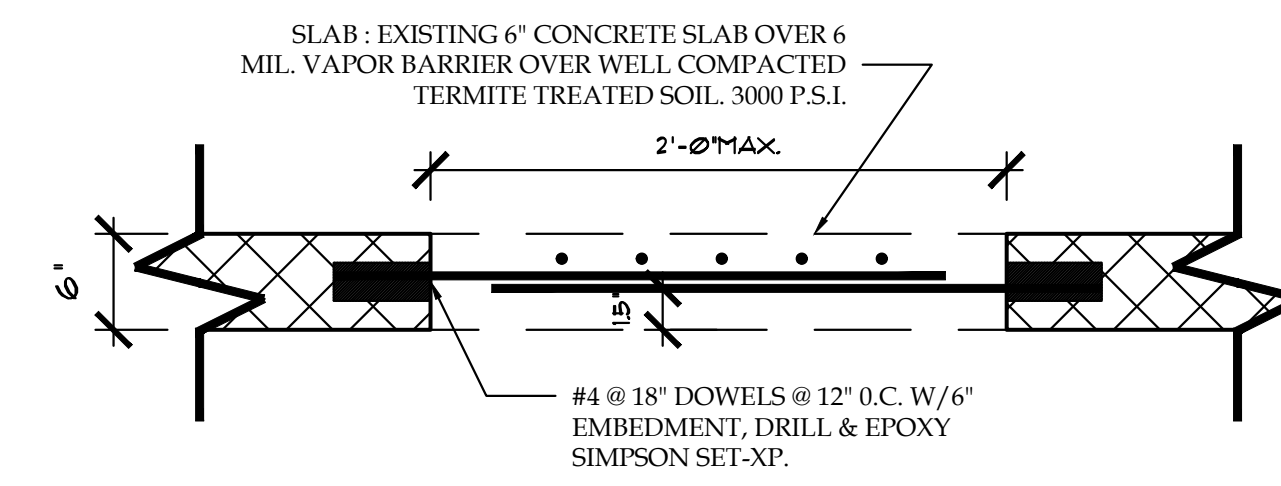
4 S-0 N.T.S. IN-FILL DETAIL



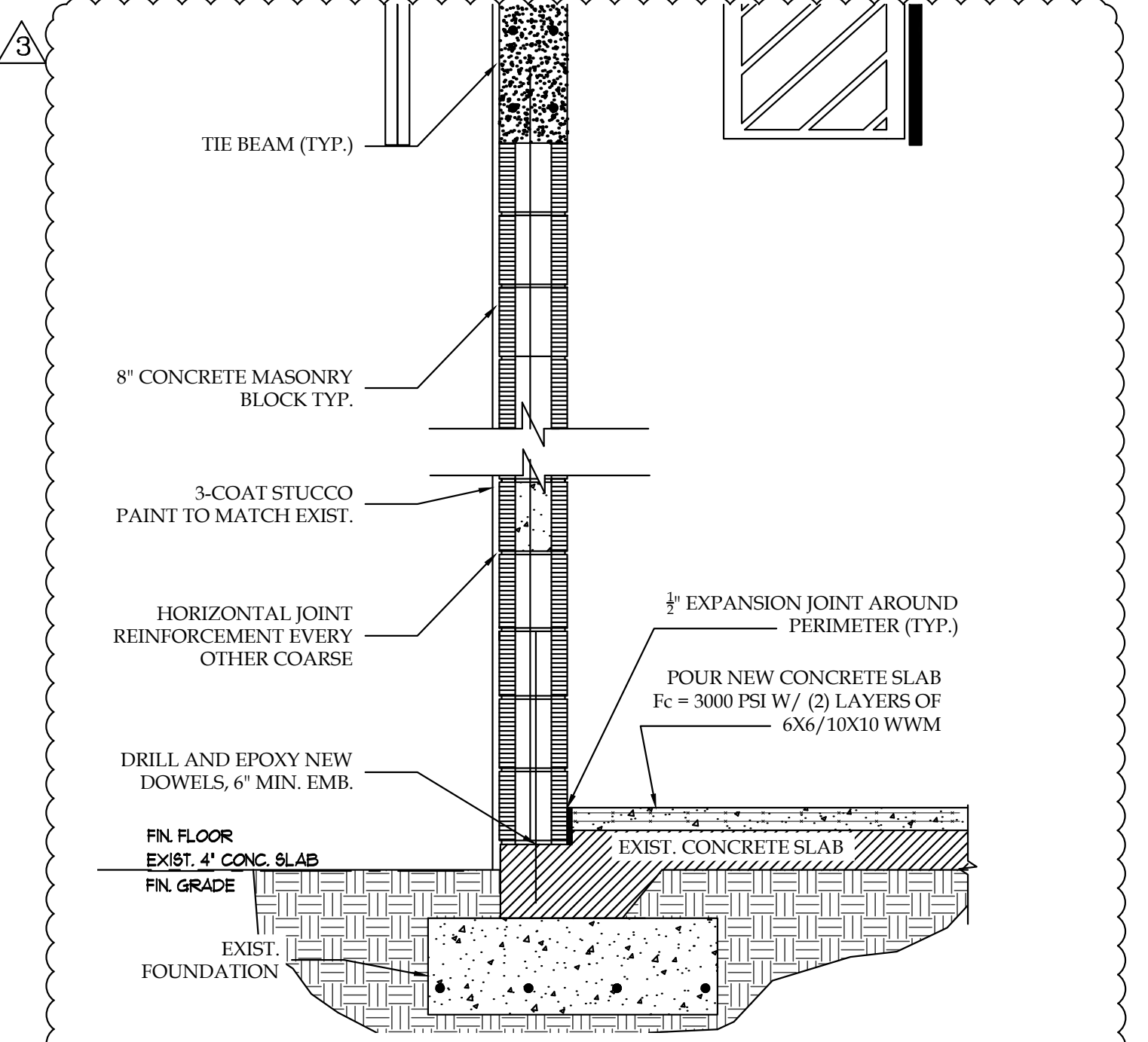
5 S-0 N.T.S. INTERIOR PARTITION NON-LOAD BEARING WALL



3 S-0 N.T.S. STARTER COLUMN/BEAM



2 S-0 N.T.S. SLAB REPAIR DETAIL (TYP.)



1 S-0 N.T.S. EXTERIOR WALL DETAIL

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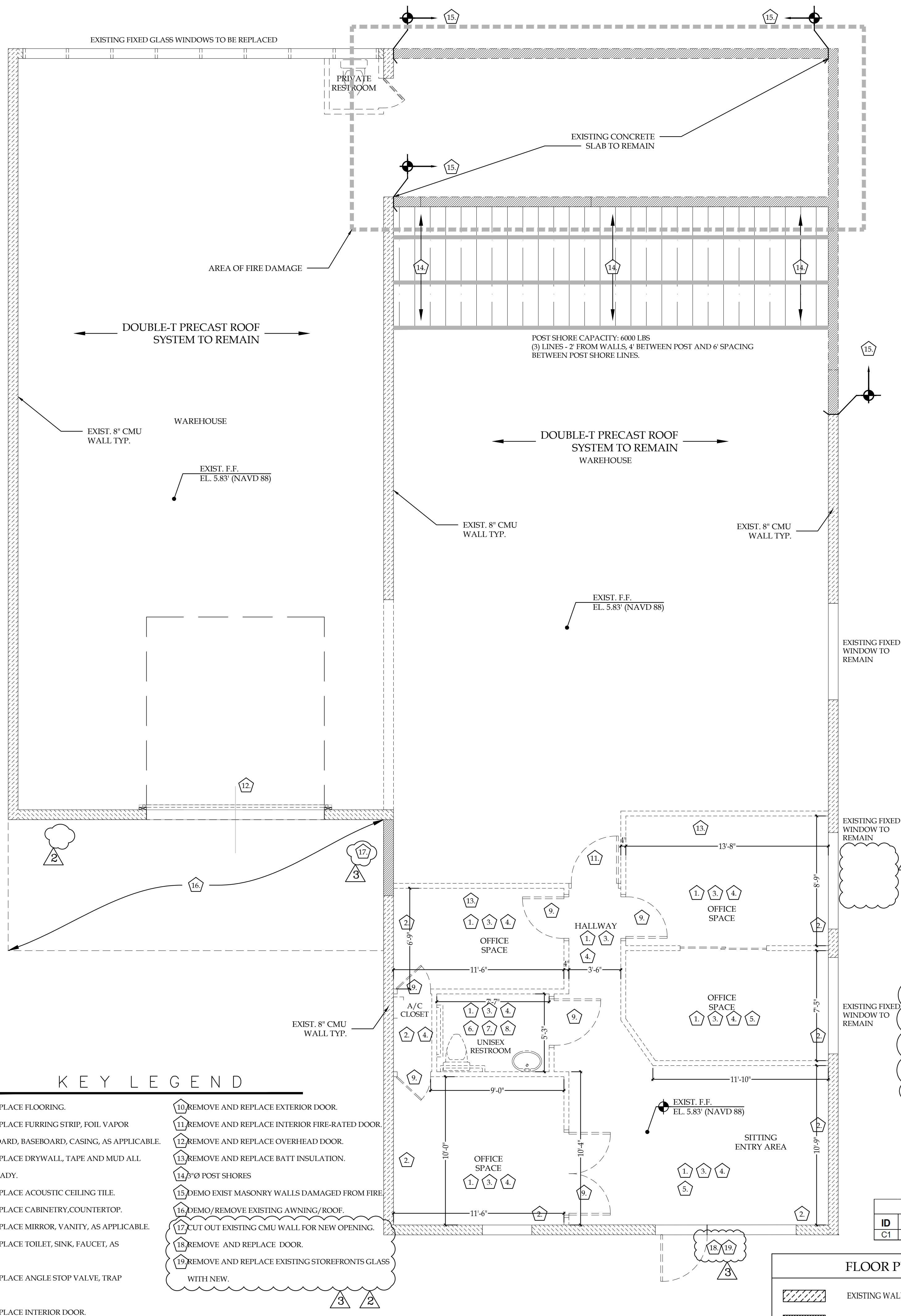
FIRE DAMAGE REPAIR logo and address: 101 SW 5 STREET POMPANO BEACH, FL 33060

REVISIONS table with 3 entries: 10/18/21 BD COMMENTS, 02/16/22 BD COMMENTS, 03/18/22 BD COMMENTS

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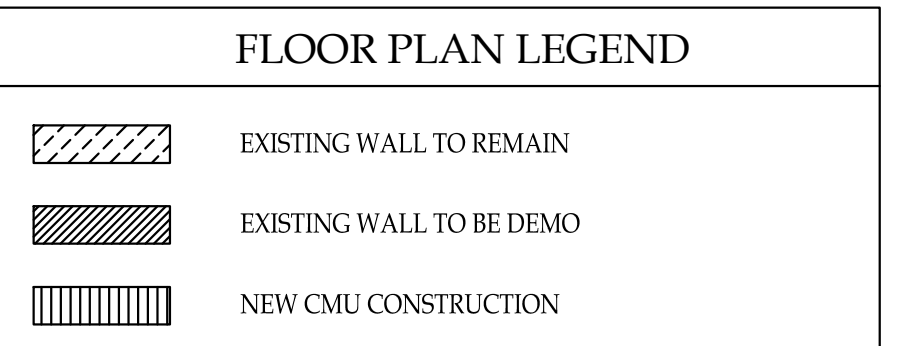
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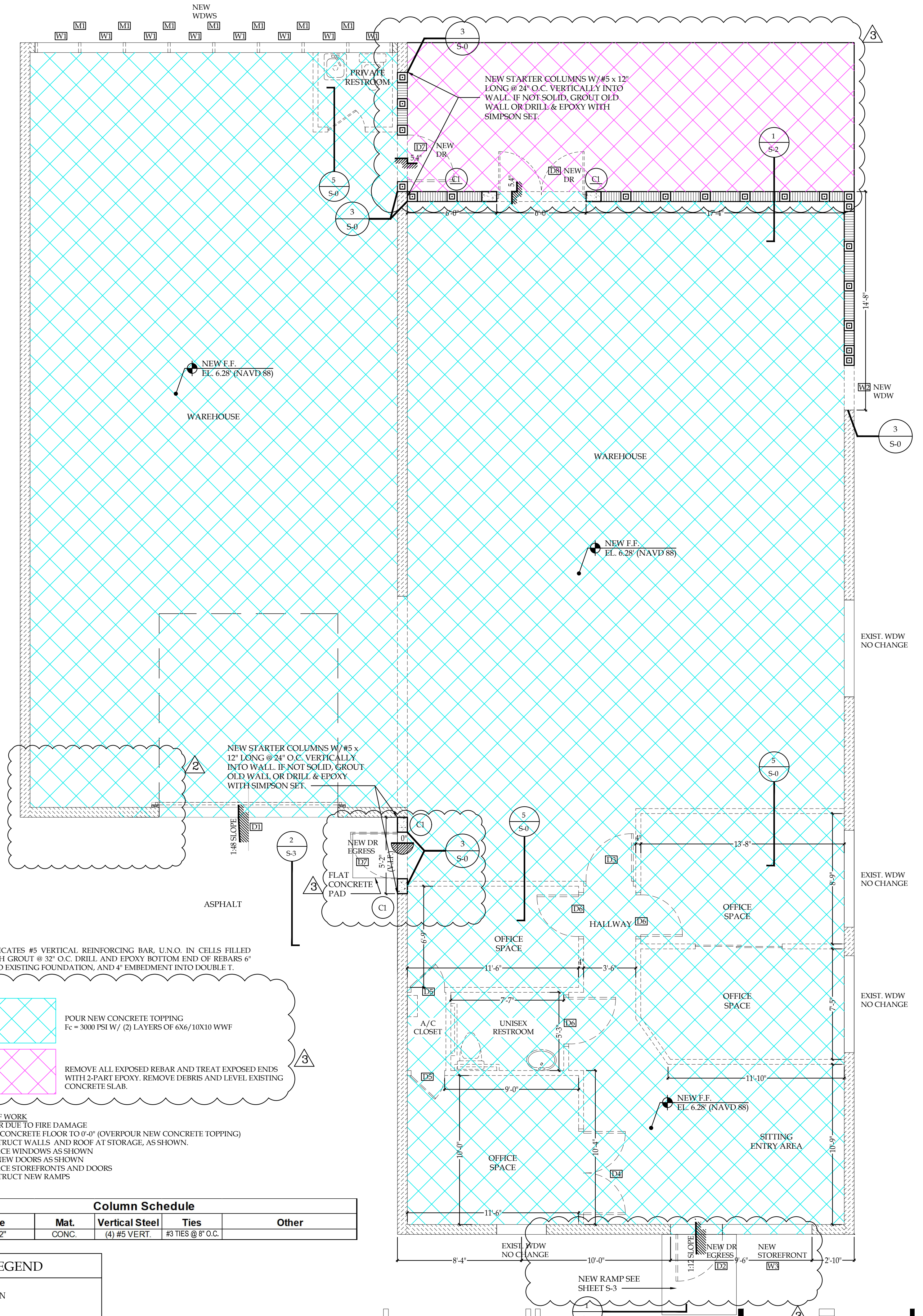
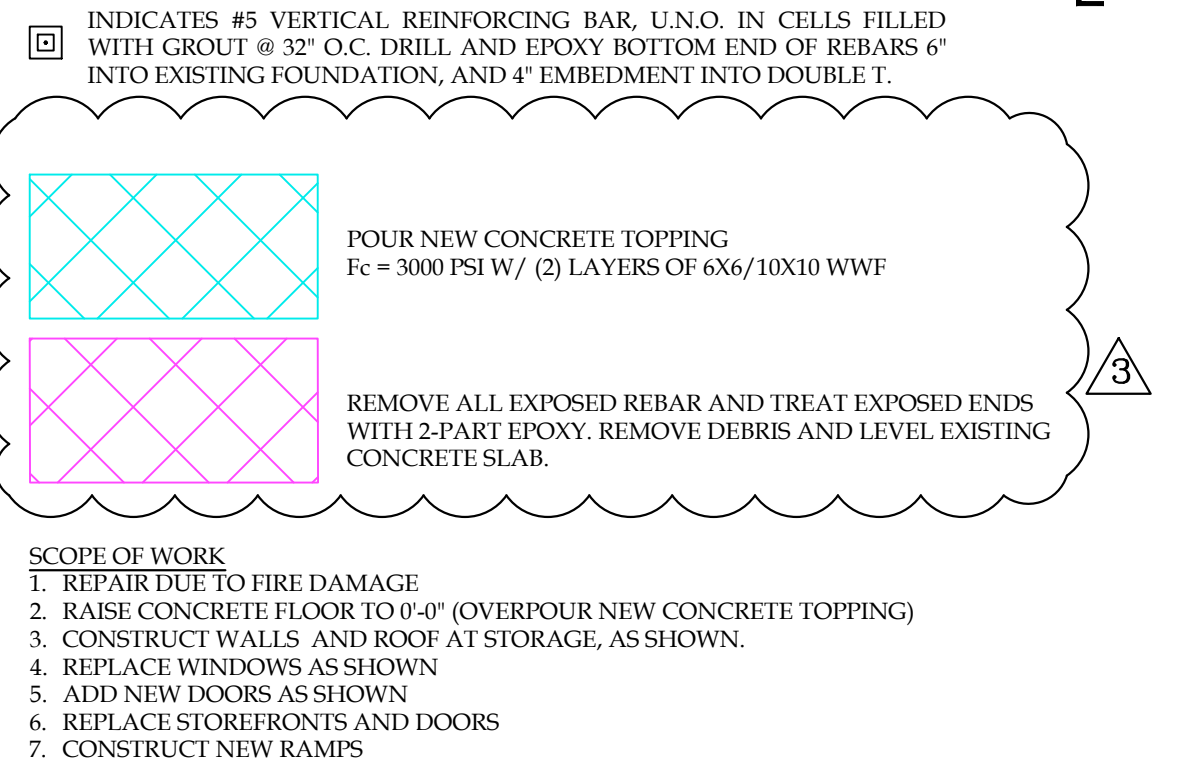
DEMO PLAN
SCALE : 1/4" = 1'-0"

- KEY LEGEND**
- 1. REMOVE AND REPLACE FLOORING.
 - 2. REMOVE AND REPLACE FURRING STRIP, FOIL VAPOR BARRIER, TRIMBOARD, BASEBOARD, CASING, AS APPLICABLE.
 - 3. REMOVE AND REPLACE DRYWALL, TAPE AND MUD ALL JOINTS. PAINT READY.
 - 4. REMOVE AND REPLACE ACOUSTIC CEILING TILE.
 - 5. REMOVE AND REPLACE CABINETS, COUNTERTOP.
 - 6. REMOVE AND REPLACE MIRROR, VANITY, AS APPLICABLE.
 - 7. REMOVE AND REPLACE TOILET, SINK, FAUCET, AS APPLICABLE.
 - 8. REMOVE AND REPLACE ANGLE STOP VALVE, TRAP ASSEMBLY.
 - 9. REMOVE AND REPLACE INTERIOR DOOR.
 - 10. REMOVE AND REPLACE EXTERIOR DOOR.
 - 11. REMOVE AND REPLACE INTERIOR FIRE-RATED DOOR.
 - 12. REMOVE AND REPLACE OVERHEAD DOOR.
 - 13. REMOVE AND REPLACE BATT INSULATION.
 - 14. 3" Ø POST SHORES
 - 15. DEMO EXIST MASONRY WALLS DAMAGED FROM FIRE.
 - 16. DEMO/REMOVE EXISTING AWNING/ROOF.
 - 17. CUT OUT EXISTING CMU WALL FOR NEW OPENING.
 - 18. REMOVE AND REPLACE DOOR.
 - 19. REMOVE AND REPLACE EXISTING STOREFRONTS GLASS WITH NEW.



Column Schedule

ID	Size	Mat.	Vertical Steel	Ties	Other
C1	8"x12"	CONC.	(4) #5 VERT.	#3 TIES @ 8" O.C.	



PROPOSED PLAN
SCALE : 1/4" = 1'-0" CONTRACTOR TO V.I.F. ALL MEASUREMENTS



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REVISIONS :

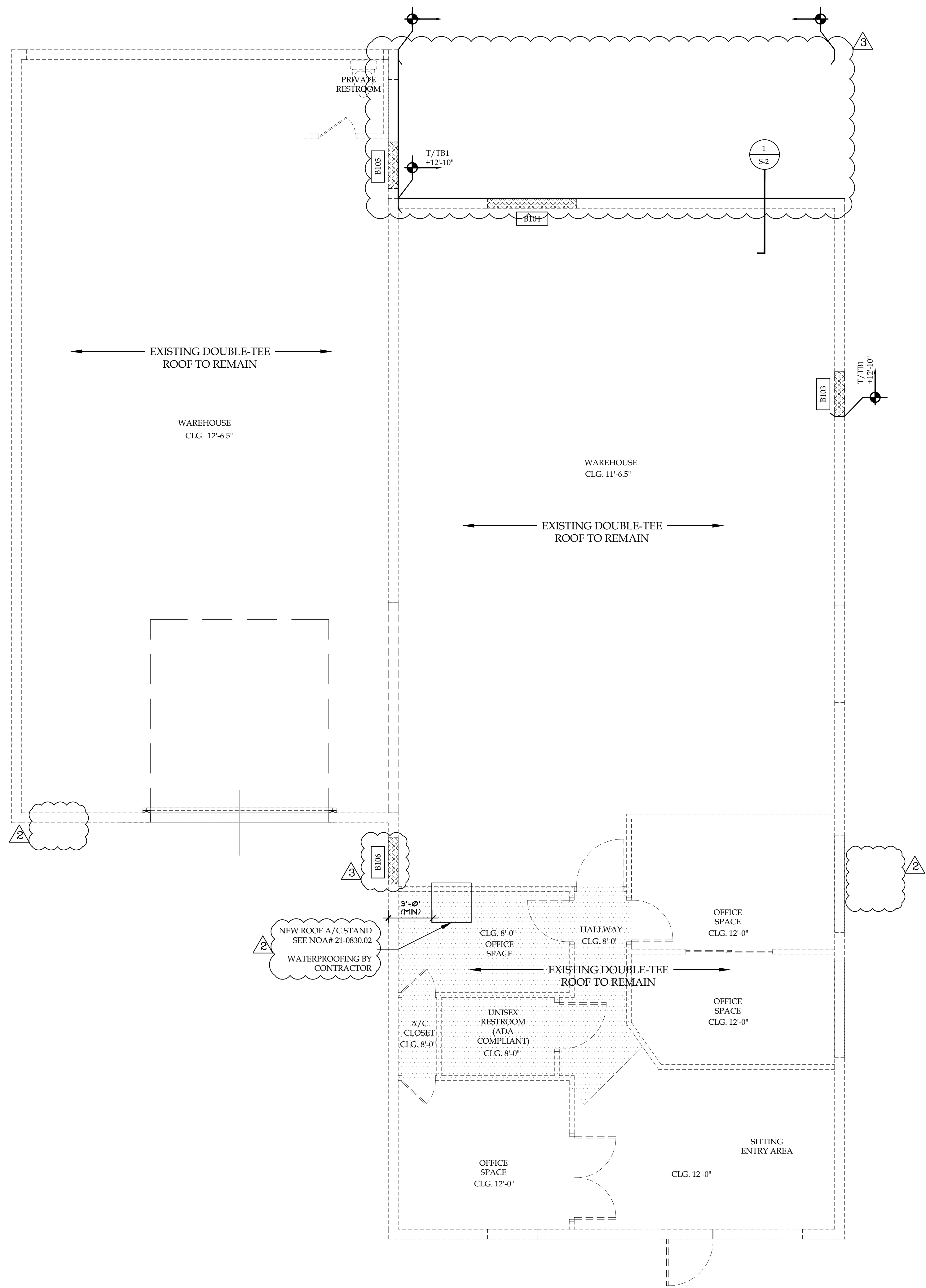
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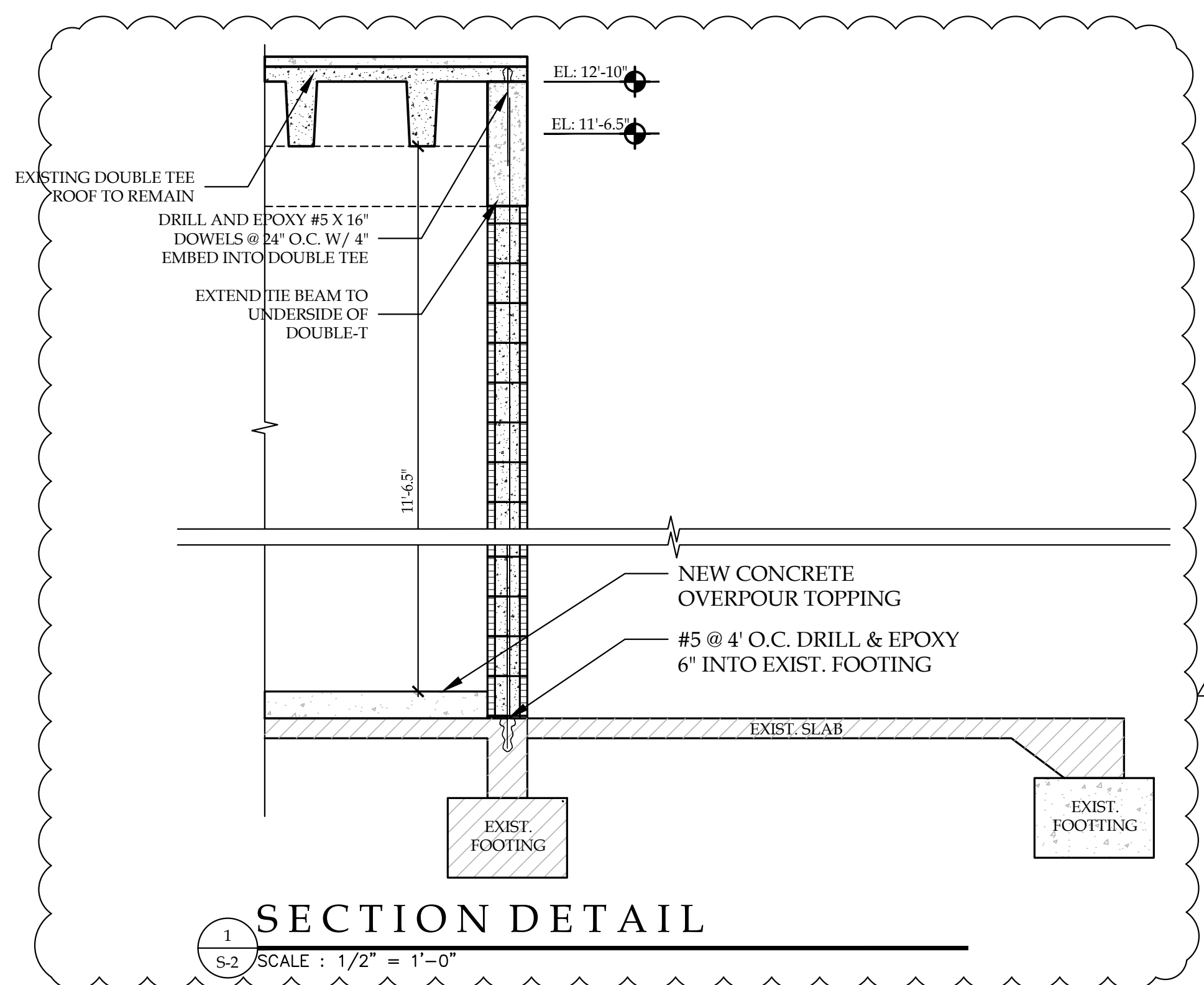
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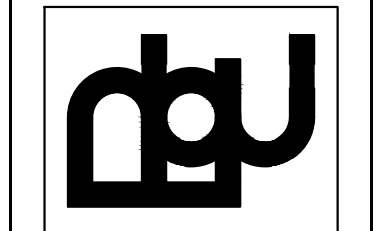
E.B. # 7686
P.E. NO. 51311



Beam Schedule									
ID	Width	Depth	TOP	MID	BOT	STIRRUPS	NOTES	Elevation	
TB1	8	12	(2) #5	-	(2) #5	#3 STIRRUPS @ 24" O.C.			
B101	8	24	(2) #5	2#5	(2) #5	#3 STIRRUPS @ 24" O.C.			
B102	8	24	(2) #5	2#5	(2) #5	#3 STIRRUPS @ 24" O.C.			
B103	8	24	(2) #5	2#5	(2) #5	#3 STIRRUPS @ 12" O.C.			
B104	8	24	(2) #5	2#5	(2) #5	#3 STIRRUPS @ 12" O.C.			
B105	8	16	(2) #5	-	(2) #5	#3 STIRRUPS @ 8" O.C.			
B106	8	16	(2) #5	-	(2) #5	#3 STIRRUPS @ 8" O.C.			



ROOF FRAMING PLAN
SCALE: 1/4" = 1'-0"



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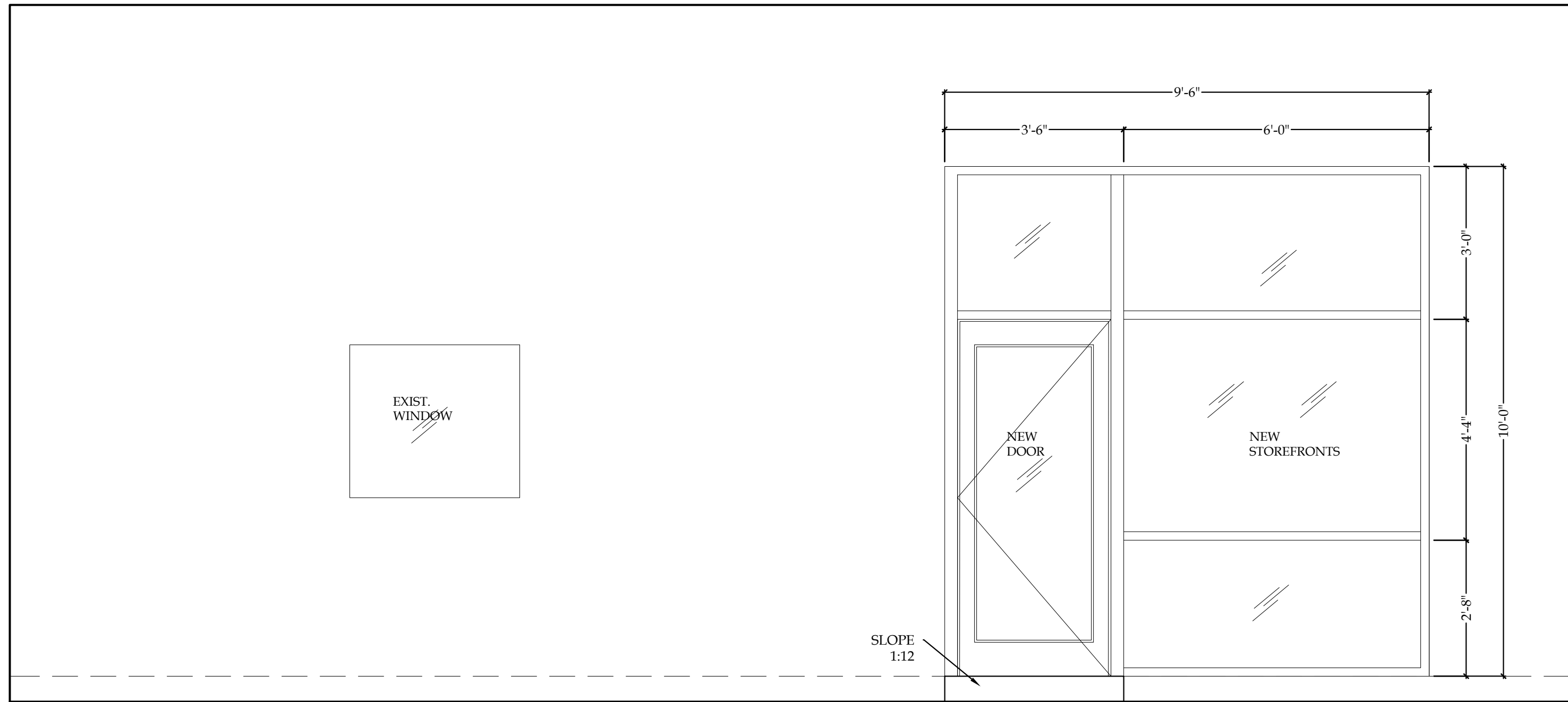
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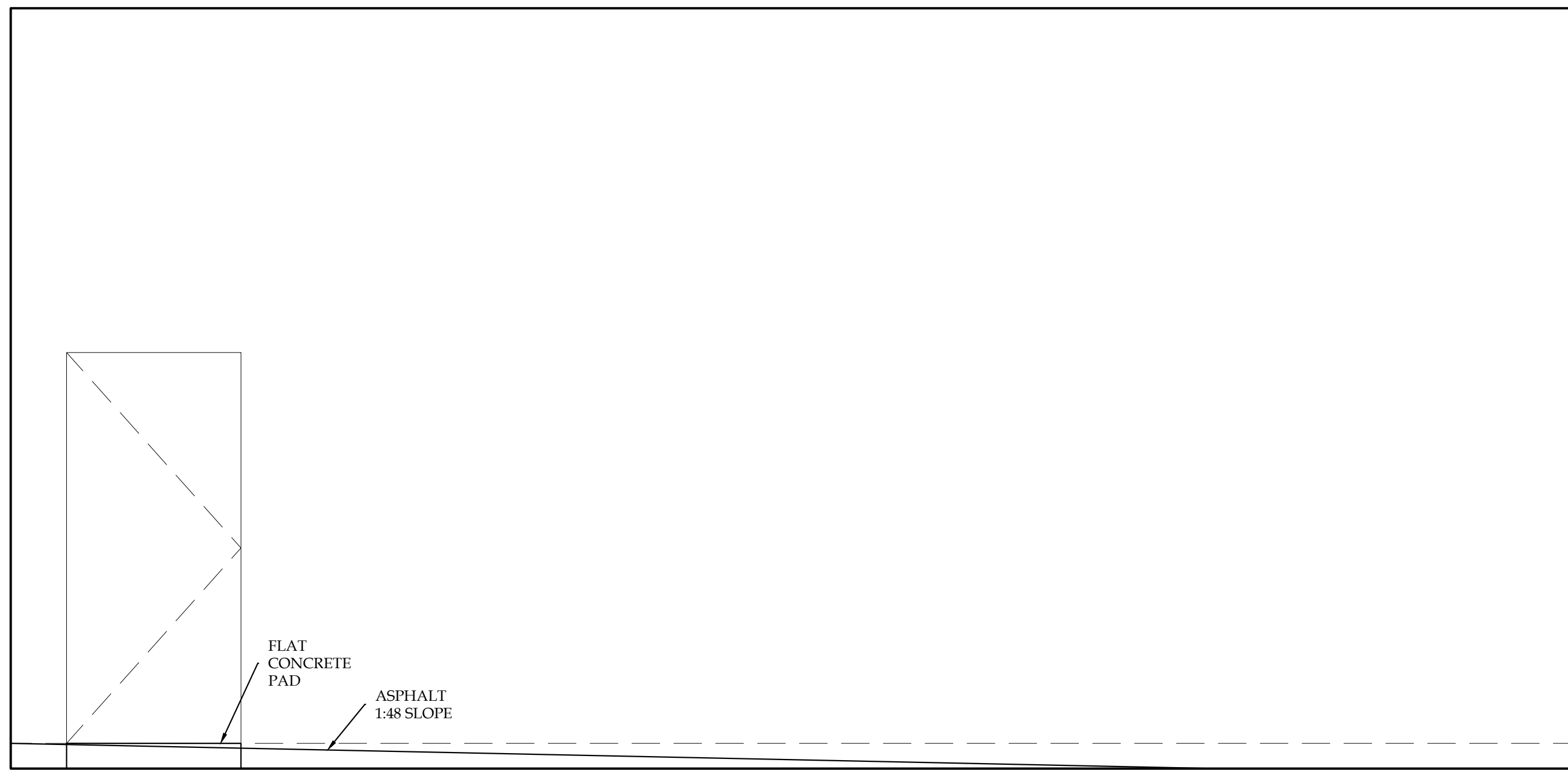
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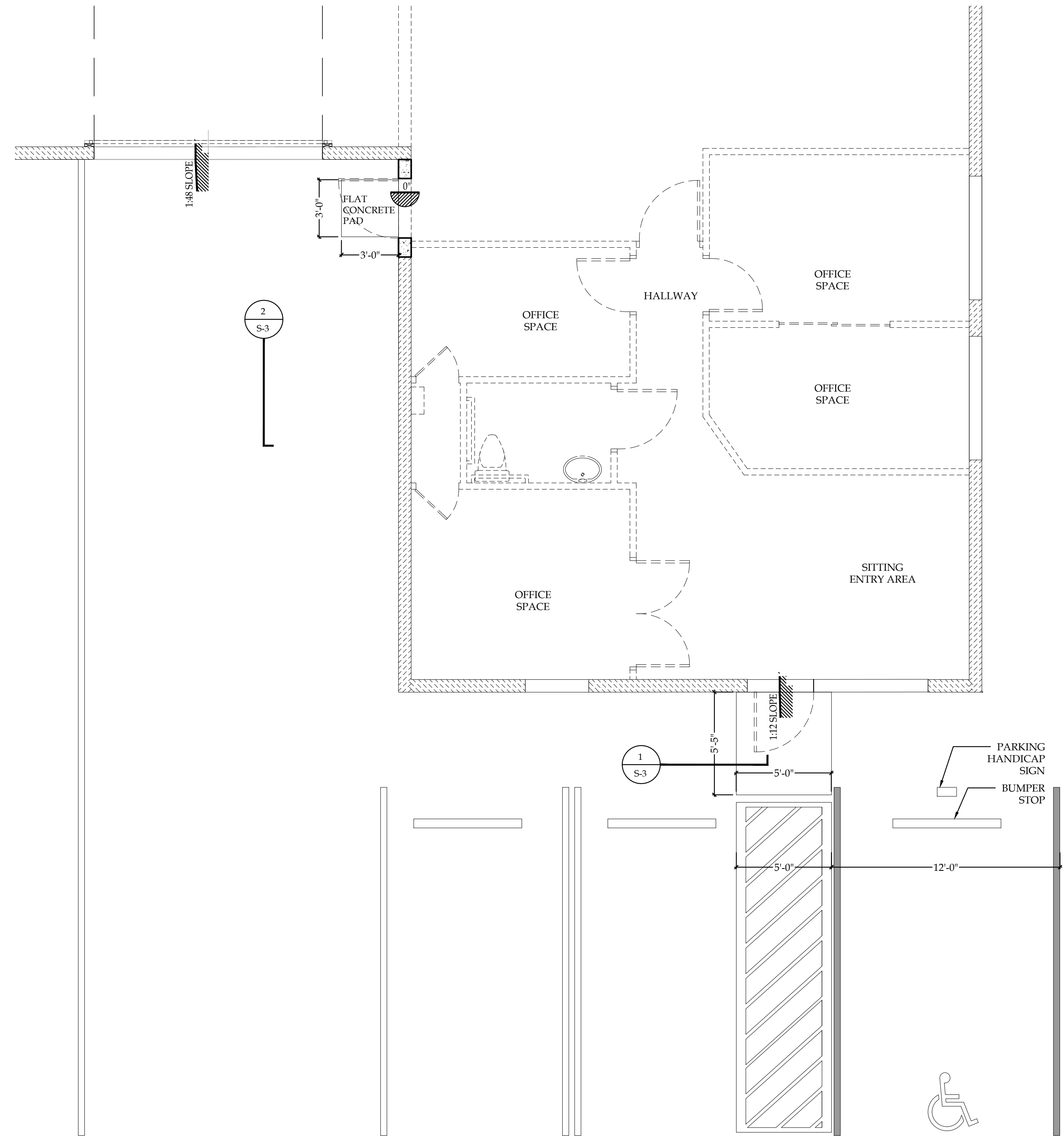
SOUTH ELEVATION DETAIL

1
S-3 SCALE : 1/2" = 1'-0" CONTRACTOR TO V.I.F. ALL MEASUREMENTS



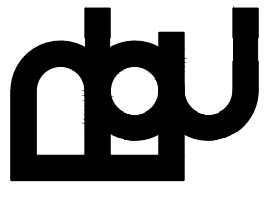
WEST ELEVATION DETAIL

2
S-3 SCALE : 1/2" = 1'-0"



PARTIAL PROPOSED PLAN

SCALE : 1/4" = 1'-0" CONTRACTOR TO V.I.F. ALL MEASUREMENTS



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FIRE DAMAGE REPAIR
101 SW 5 STREET
POMPANO BEACH, FL 33060

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 - 02/16/22 BD COMMENTS
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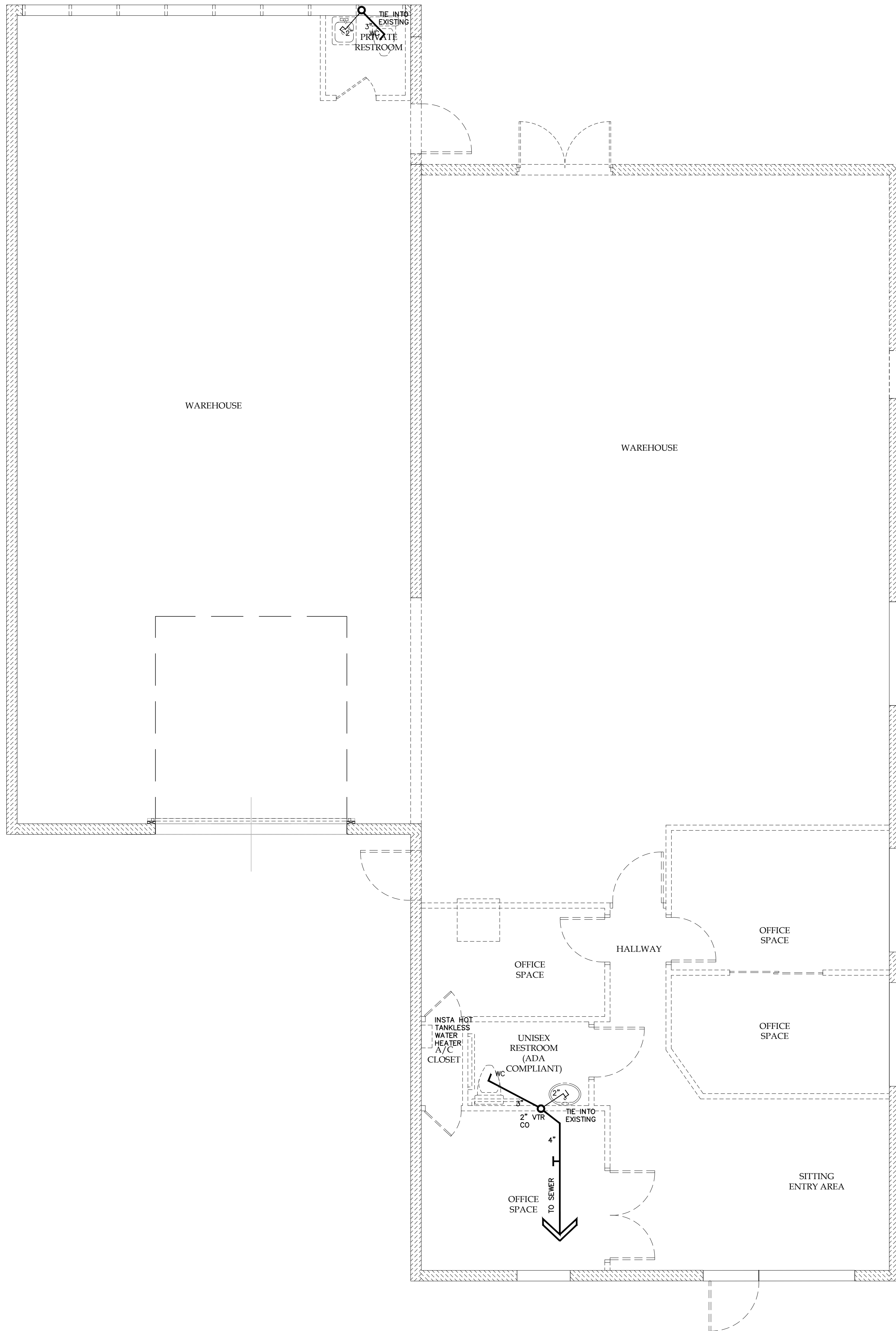
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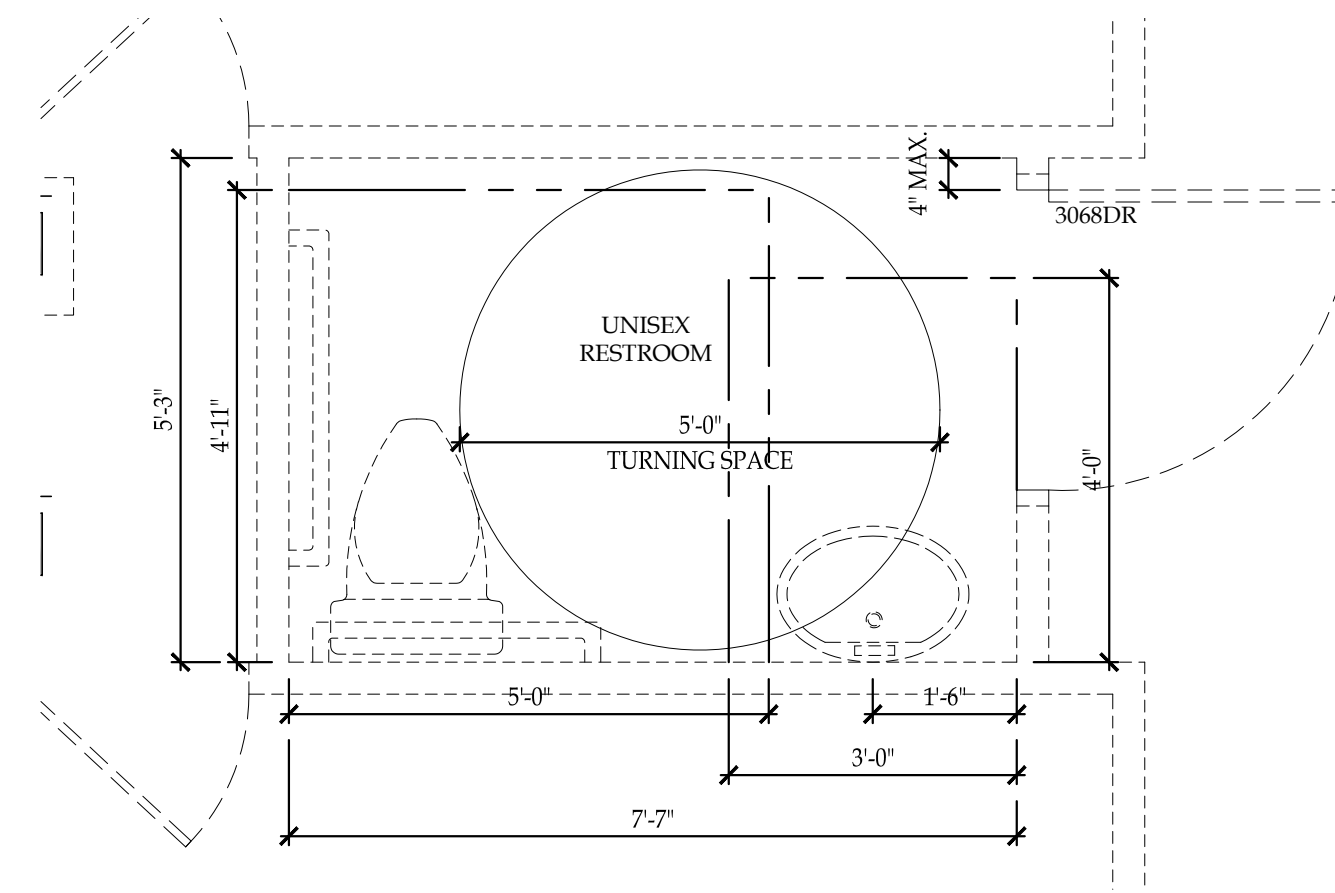
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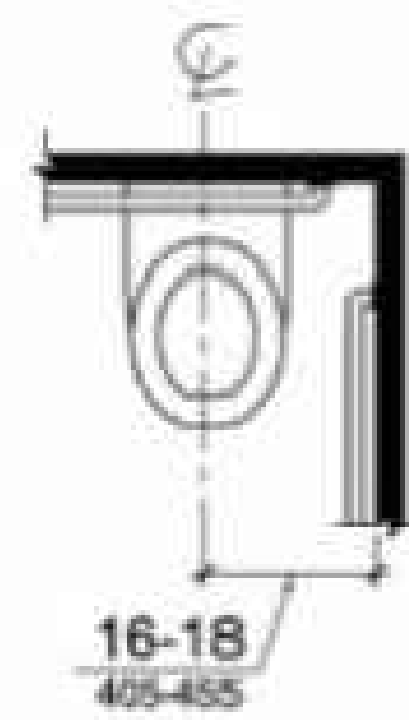
PLUMBING PLAN

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



ADA COMPLIANT REST ROOM LAYOUT

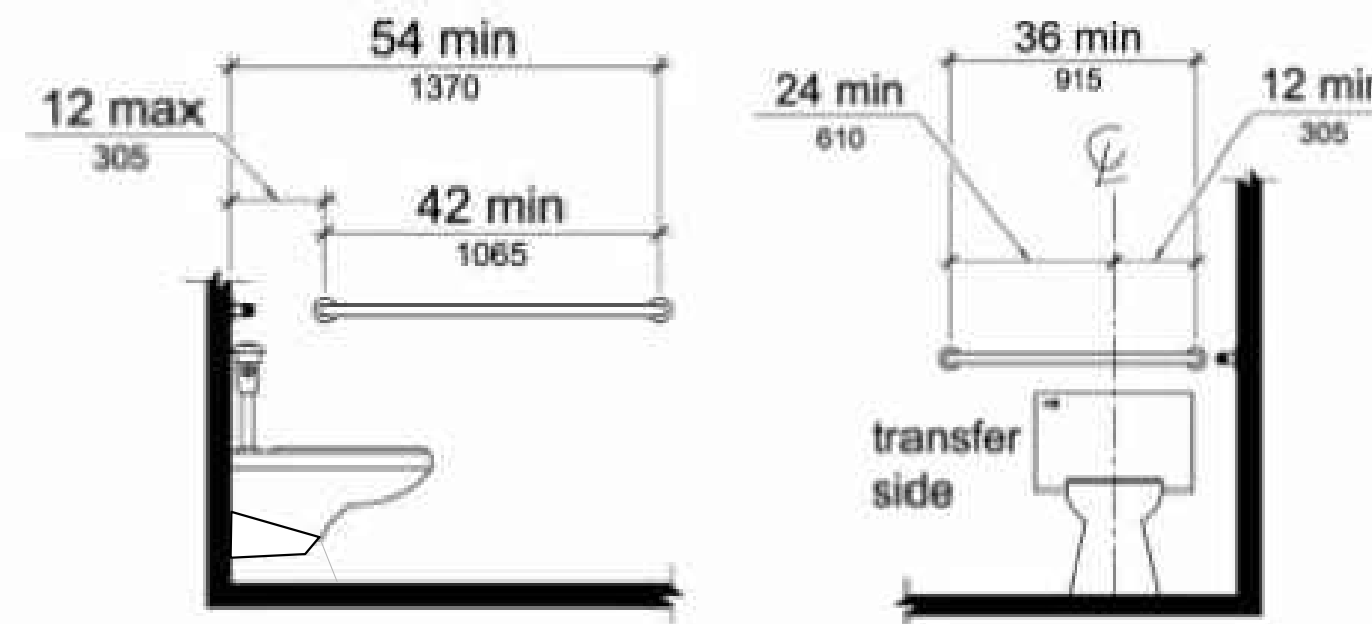
SCALE : 1/2" = 1'-0"



(a) wheelchair accessible water closets

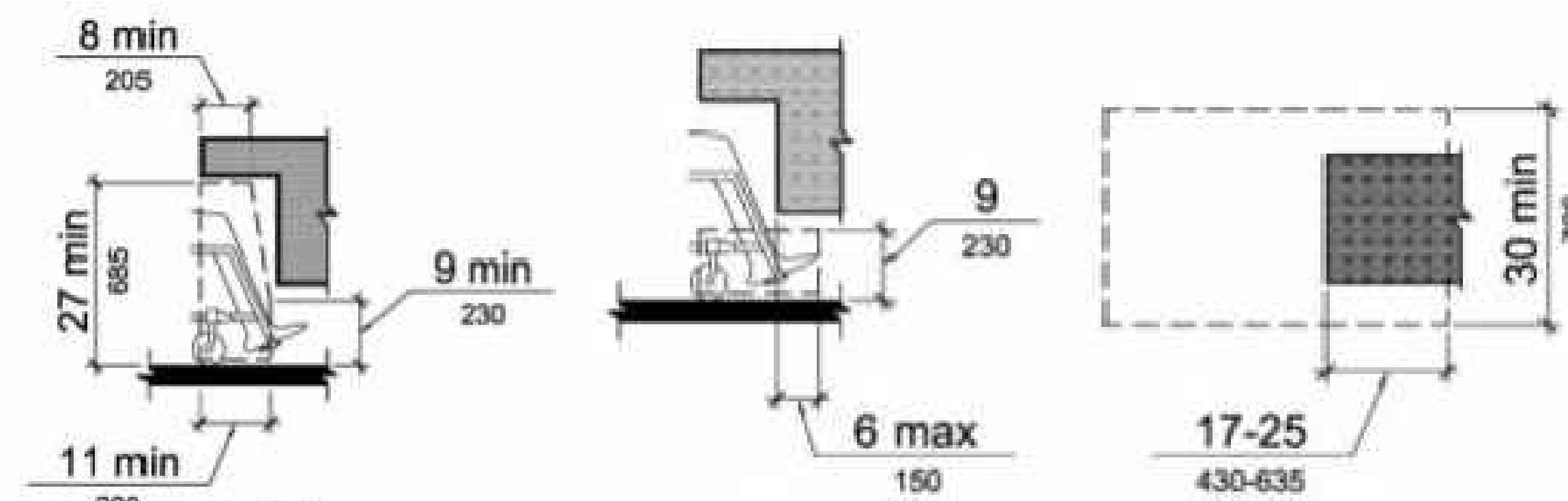
WATER CLOSET LOCATION

N.T.S.



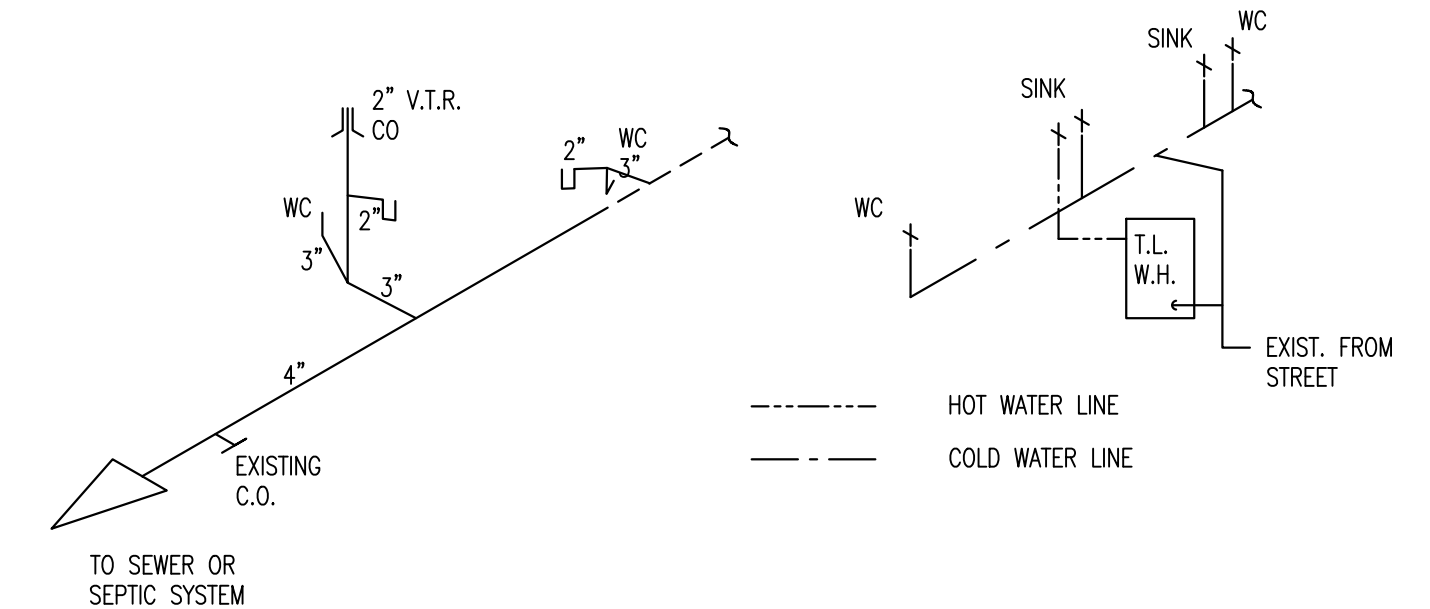
GRAB BAR LOCATION

N.T.S.



SINK TOE AND KNEE CLEARANCE

N.T.S.



SANITARY DIAGRAM

N.T.S.

SUPPLY DIAGRAM

N.T.S.

SCOPE OF WORK:
 1. CONSTRUCT/RENOVATE BATHROOM (UNISEX) FOR ADA COMPLIANCE.
 2. REMOVE AND REPLACE SINK AND WATER CLOSET IN PRIVATE RESTROOM.
DEMOLITION NOTES:
 TEMPORARILY CAP ALL WATER FEED LINES AND SEWER LINES FOR ALL PLUMBING FIXTURES.
NOTES:
 G.C. TO FIELD VERIFY ALL CONDITIONS AND NOTIFY ENGINEER DURING DEMOLITION WITH ANY DISCREPANCIES.
 AFTER EXPOSING DEMOLITION AREA G.C. WILL CONTACT ENGINEER SO A FIELD INSPECTION CAN BE CONDUCTED TO IDENTIFY ANY STRUCTURAL REPAIRS OR ALTERATIONS NECESSARY.
 ALL REPAIRS ARE BEING REPLACED WITH LIKE MATERIALS, NO HAZARD TO LIFE, HEALTH OR PROPERTY WILL BE CREATED. REPAIRS SHOWN WILL RESTORE BUILDING TO ITS PRE-DAMAGE STATE USING MATERIALS EXISTED PRIOR TO DAMAGE.

- RESTROOM REFERENCE NOTES**
- SURFACE MOUNTED ROUND PAPER TOWEL DISPENSER BOTTOM AT 44" A.F.F.
 - MIRROR WITH STAINLESS STEEL FACE - BOTTOM @ 40" A.F.F.
 - 17" X 19" WALL HUNG LAV WITH WRIST BLADE HANDLES. RIM 34" A.F.F., 27" MIN. CLEAR UNDER FOR A DEPTH OF 8" THEN 9" TO WALL. INSULATE ALL PIPING WITH A FACTORY INSULATION 'BOOT'. PROVIDE HOT AND COLD WATER.
 - ELONGATED ADA WATER CLOSET WITH OPEN FRONT SEAT WITH COVER. SEAT TO HAVE
 - CP BRASS HINGES NOT PLASTIC. SEAT @ 19" A.F.F.
 - 36" ADA GRAB RAIL 6" FROM SIDE WALL, 33" A.F.F.
 - 42" ADA GRAB RAIL 12" FROM REAR WALL, 33" A.F.F.
 - SURFACE MTD SINGLE ROLL TISSUE DISPENSER (CENTERLINE @ 19" A.F.F.)
 - SURFACE MTD SOAP DISH (CENTERLINE @ 39" A.F.F.)
 - 17" - 19" MAX. WATER CLOSET SEAT HEIGHT A.F.F. SEATS SHALL NOT BE SPRUNG TO RETURN TO A LIFTED POSITION.
 - PROVIDE SOLID WOOD BACKING FOR ALL INSTALLED ITEMS.
 - ALL GYP. BD. ON THE INSIDE OF THE TOILET ROOMS SHALL BE MOISTURE RESISTANT

ALL CONSTRUCTION SHALL CONFORM TO ALL NATIONAL, STATE, AND LOCAL CODES AND SUBJECT TO LOCAL INSPECTION OF SAME.
 ALL CONTRACTORS SHALL BE RESPONSIBLE FOR THE SCOPE OF WORK OF THEIR TRADE, ALL TRADES TO COORDINATE WITH GENERAL CONTRACTOR

USE & # OF OCCUPANTS	WATER CLOSETS		LAVATORIES		DRINKING FOUNTAIN	OTHER
	MALE	FEMALE	MALE	FEMALE	1 PER 100	SERVICE SINK
BUSINESS						
13	1 PER 25 FOR THE FIRST 50	1 PER 40 FOR THE FIRST 80			1	10.8
<=15	1	1			NOT REQ.	NOT REQ.



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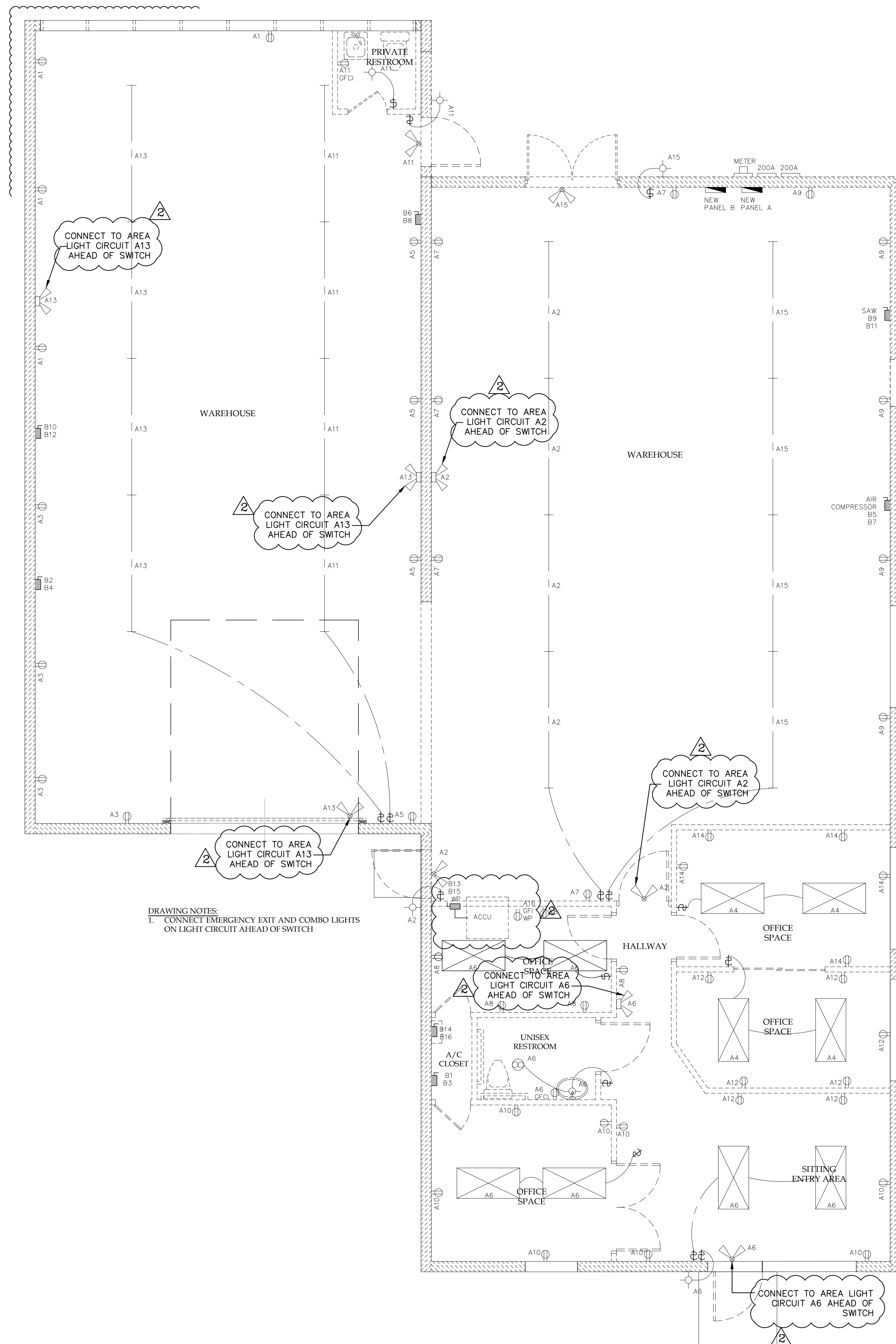
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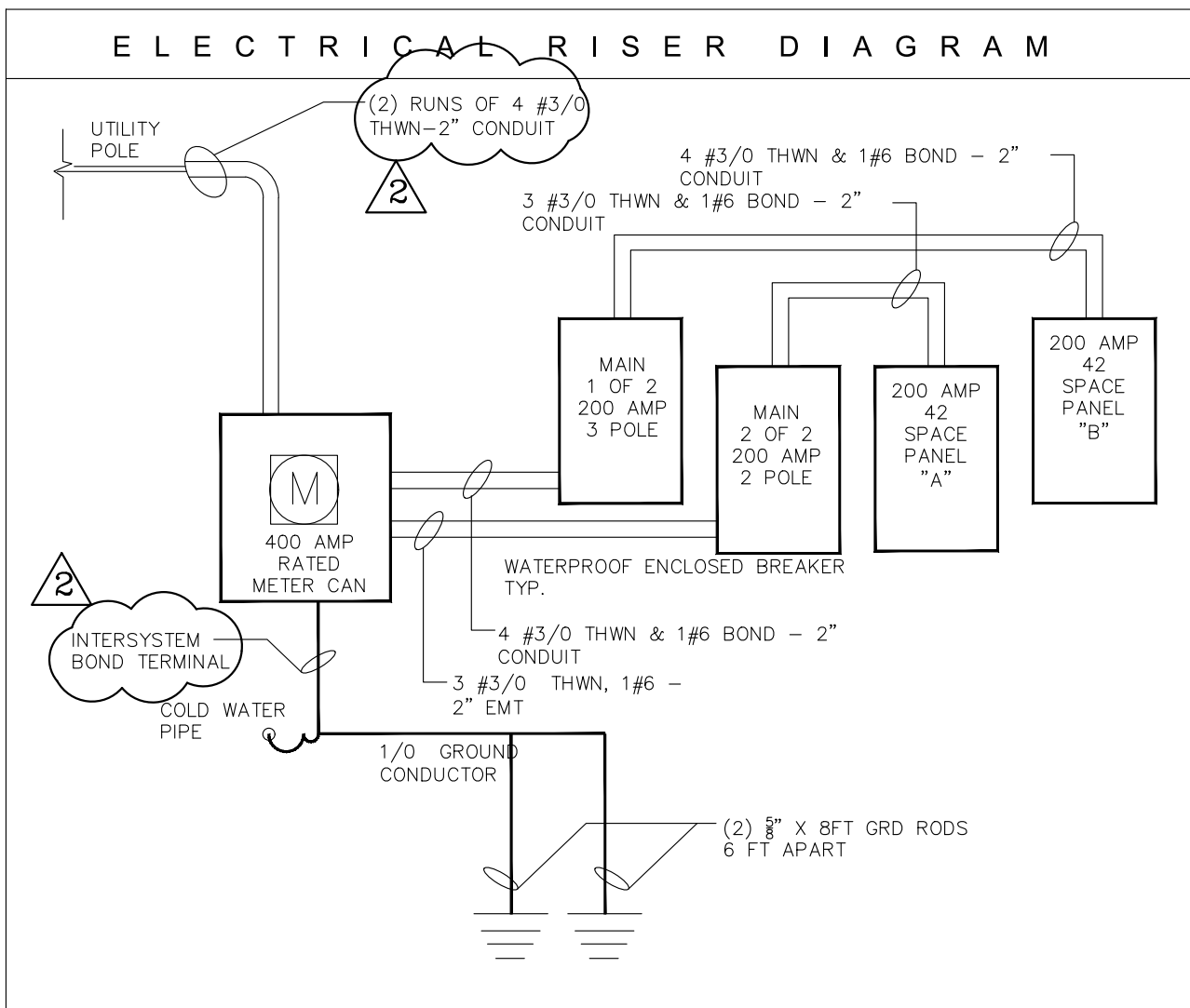
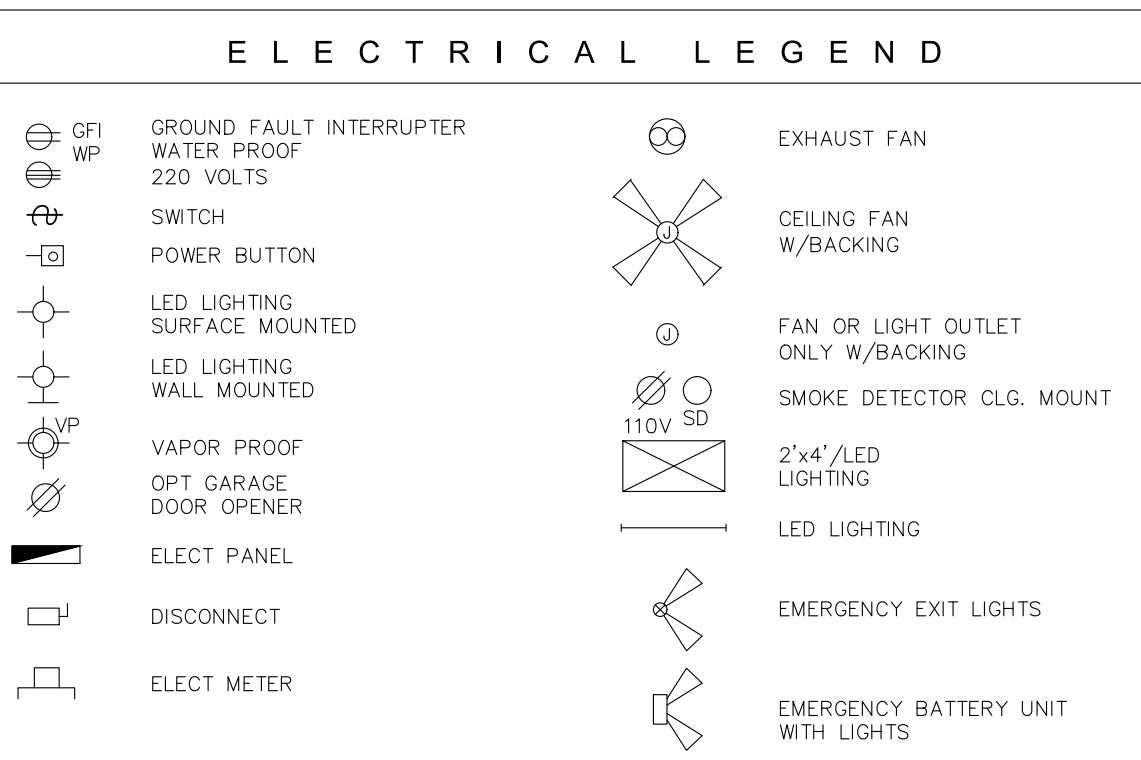
DRAWING NOTES:
 1. CONNECT EMERGENCY EXIT AND COMBO LIGHTS ON LIGHT CIRCUIT AHEAD OF SWITCH

MFG.	EXISTING	TYPE	NEW	PANEL RATING		200		AMPS											
VOLTS	120/240V 3 PHASE WIRE	PANEL	"A"																
RECEPTS	1000			1	20	100	1/2	1000	1	2	1091	1/2	125	20	1	12	873		
RECEPTS	1000			1	20	100	1/2	1000	3	4	1091	1/2	125	20	1	12	873		LIGHTS
RECEPTS	1000			1	20	100	1/2	1000	5	6	1091	1/2	125	20	1	12	873		LIGHTS
RECEPTS	1000			1	20	100	1/2	1000	7	8	1091	1/2	125	20	1	12	1000		LIGHTS
RECEPTS	1000			1	20	100	1/2	1000	9	10	1091	1/2	125	20	1	12	1000		RECEPTS
LIGHTS	873			1	20	125	1/2	1091	11	12	1091	1/2	125	20	1	12	1000		RECEPTS
LIGHTS	873			1	20	125	1/2	1091	13	14	1091	1/2	125	20	1	12	1000		RECEPTS
LIGHTS	873			1	20	125	1/2	1091	15	16	1091	1/2	125	20	1	12	1000		ROOF RECEPT
									17	18									
									19	20									
									21	22									
									23	24									
									25	26									
									27	28									
									29	30									
									31	32									
									33	34									
									35	36									
									37	38									
									39	40									
									41	42									

AIC RATING: 22KA SURFACE MOUNTING
 NO HS-LEG IN PANEL
 TOTAL DEMAND = 1554W
 TOTAL AMPS = 68.9A

MFG.	EXISTING	TYPE	NEW	PANEL RATING		200		AMPS											
VOLTS	120/240V 3 PHASE WIRE	PANEL	"B"																
ANU	4000			8	2	40	100	3/4	4000	1	2	3750	1/2	125	30	2	10	3000	
AIR COMP	2500			10	2	30	100	1/2	2500	5	6	3000	1/2	100	30	2	10	3000	DEDICATED RECEPTACLE
SAW	2000			12	2	20	100	1/2	2000	9	10	2500	1/2	100	30	2	10	2500	DEDICATED RECEPTACLE
ACCU	2400			10	2	30	100	1/2	2400	11	12	2500	1/2	100	30	2	10	2500	AIR COMP
									13	14	3000	3/4	100	4.0	2	8	3000		INSTA-HOT
									15	16	3000								
									17	18									
									19	20									
									21	22									
									23	24									
									25	26									
									27	28									
									29	30									
									31	32									
									33	34									
									35	36									
									37	38									
									39	40									
									41	42									

AIC RATING: 22KA SURFACE MOUNTING
 *NON-CONCURRENT LOADS USE LARGER OF HEAT/COOL
 TOTAL DEMAND = 41500W - 6000W = 35500W
 TOTAL AMPS = 100A



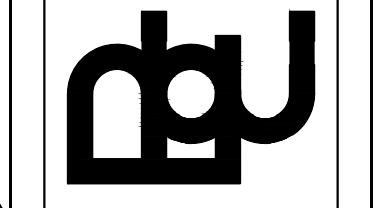
SERVICE LOAD CALCULATIONS
 PANEL A DEMAND LOAD = 1554W
 PANEL B DEMAND LOAD = 4150W
 TOTAL DEMAND = 5704W
 OR = 158A @ 240V 3P

SHORT CIRCUIT CALCULATIONS
 $F_{FACTOR} = \frac{2 \times I_{sc}}{C \times E_{AVG}}$
 $= \frac{2 \times 60 \times 29540}{10400 \times 240}$
 $= 1.4$
 $M_{FACTOR} = \frac{1}{1+F} = \frac{1}{1+0.4} = 0.42$
 SHORT CIRCUIT CURRENT @ TERMINAL OF MAINS
 $I_{sc} = 29540 \times 0.42 = 12406A$ (SYMMETRICAL)
 MAIN DISCONNECT MUST BE RATED FOR 22000A IAC

- ELECTRICAL NOTES**
- ALL OUTLET BOXES FOR RECEPTACLES, TV ANTENNAS, OR TELEPHONE JACKS, ETC. IN RATED WALLS MUST BE METAL OR UL-RATED FOR USE IN ONE HOUR FIRE RATED CONSTRUCTION.
 - ALL ELECTRICAL WORK TO CONFORM TO THE NATIONAL ELECTRICAL CODE, NFPA 70 AND LOCAL COUNTY ELECTRICAL CODES.
 - ELECTRICAL CONTRACTOR TO CONFORM TO PHONE COMPANY REQUIREMENTS FOR TELEPHONE EQUIPMENT INSTALLATION.
 - COORDINATE ALL CONDUIT RUNS AND EQUIPMENT INSTALLATION WITH OTHER TRADES TO AVOID CONFLICTS PRIOR TO FABRICATION, INSTALLATION AND ERECTION.
 - ELECTRICAL CONTRACTOR TO VERIFY ALL HVAC UNIT CONNECTIONS WITH HVAC CONTRACTOR PRIOR TO INSTALLATION. ALL A/C UNITS TO HAVE INTERNAL BREAKERS.
 - ALL METERS, METER CENTERS AND DISCONNECTS TO BE INSTALLED IN ACCORDANCE WITH NEC 110-26 AND BE APPROVED BY FP&L.
 - MINIMUM WIRE SIZE SHALL BE #14 AWG INSULATION FOR WIRE SIZE #6 AND SMALLER SHALL BE THIN #4 AND LARGER SHALL BE THIN. ALL CONDUCTORS #10 AND SMALLER MAY BE SOLID #3 AND LARGER SHALL BE STRANDED.
 - CIRCUIT LOCATION AND LOAD DATA ARE BASED UPON INFORMATION GIVEN TO THE ARCHITECT AT TIME OF DESIGN. CONTRACTOR SHALL VERIFY EQUIPMENT AND PANEL SIZES AND SHALL PROVIDE CIRCUITS & ROUTING OF CONDUITS TO SUIT JOB CONDITIONS.
 - ALL 120V 1-PHASE 20A BATHROOM, KITCHEN & GARAGE RECEPTACLES SHALL HAVE GROUND FAULT INTERRUPTER (G.F.I.) PROTECTION.
 - CALCULATIONS ARE BASED ON COPPER (CU) CONDUCTORS.
 - ALL SMOKE DETECTORS MUST HAVE BATTERY BACK-UP AND BE INTERCONNECTED W/ BATHROOM OR KITCHEN LTG. CIRCUIT AHEAD OF SWITCH (NO. GFI)
 - ALL FIXTURES IN CLOSET SHALL BE RECESSED OR FLUORESCENT.
 - PROVIDE WEATHER PROOF DISCONNECTS FOR POOL, SPRINKLER AND ALL EXTERIOR EQUIPMENT PER NEC ARTICLE 680.
 - ALL CHANDELIERS & WALL SECONDES PROVIDED BY OWNER.
 - ALL EXTERIOR RECEPTACLES SHALL BE WEATHER PROOF & GROUND FAULT INTERRUPTER (G.F.I.) PROTECTION.
 - ROMEX MAY BE SUBSTITUTED FOR WIRE AND CONDUIT SYSTEM FOR BUILDING INTERIOR ONLY.
 - ANY 15AMP/1P CIRCUIT LOWER THAN 50 FEET INCREASE WIRE TO #12 AWG.
 - ANY 20AMP/1P CIRCUIT LOWER THAN 75 FEET INCREASE WIRE TO #10 AWG.
 - ALL SWITCHGEAR AND PANELS SHALL BE RATED FOR 75 DEGREES.
 - PROVIDE ARC FAULT INTERRUPTER AT ALL BEDROOM RECEPTACLE CIRCUITS.

CLASSIFICATION OF WORK: REPAIR DUE TO FIRE DAMAGE
SCOPE OF WORK:
 1. REWIRE BUILDING TO MEET CURRENT NEC CODE.
 2. REMOVE AND REPLACE ALL WIRES, SWITCHES, BOXES, T-SWAT, PANELS, ETC.
 3. NO LIFTS OF ANY KIND IS INCLUDED IN THE SCOPE OF WORK

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



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