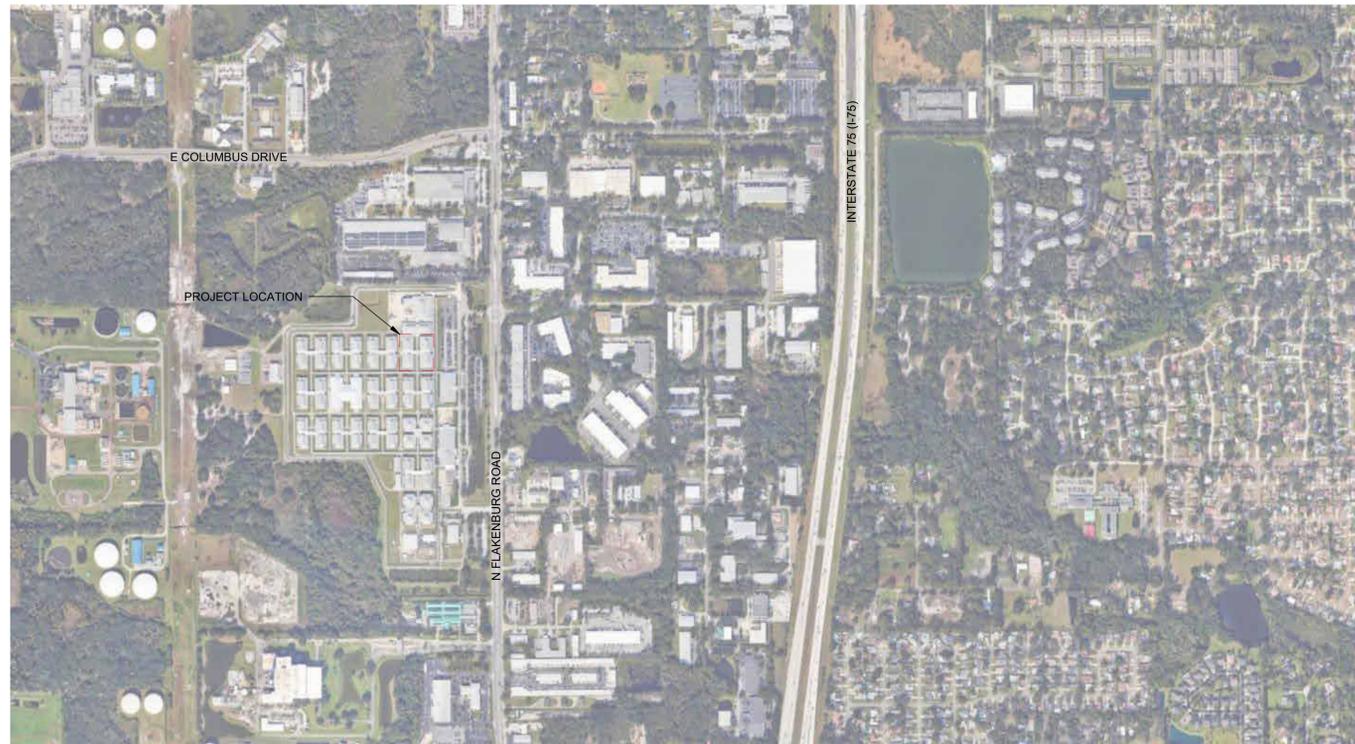


HCSO MENTAL HEALTH POD

520 N FALKENBURG ROAD
TAMPA, FLORIDA 33619

24001.01

#	ISSUED FOR	DATE
	REVIEW	08.14.24
	PERMIT/BID	08.30.24



PROJECT VICINITY MAP
NOT TO SCALE

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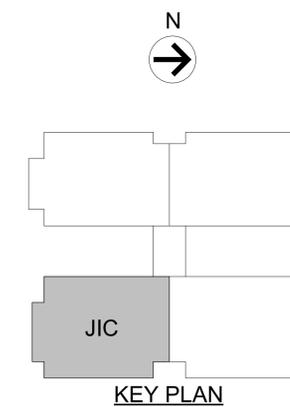
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ARCHITECTURAL:
THE LUNZ GROUP
58 LAKE MORTON DRIVE
LAKELAND, FLORIDA 33801

MEPFP:
MES GROUP
550 NORTH REO
STREET SUITE 203
TAMPA, FL 33609

STRUCTURAL:
GEORGE F. YOUNG, INC.
1408 N WESTSHORE BLVD, SUITE 205
TAMPA, FLORIDA 33607



PROJECT INFORMATION

PROJECT NAME: HSCO MENTAL HEALTH CLINIC - JIC
 PROJECT LOCATION: 520 N. FALKENBURG ROAD
 TAMPA, FLORIDA 33619

PROJECT DESCRIPTION

RENOVATION OF EXISTING INSTITUTIONAL SPACE. SCOPE INCLUDES REPLACEMENT OF ALL PLUMBING FIXTURES, FLOORING, LIGHTING, AND OPEN AREA HALF WALLS. ADDITIONS INCLUDE AN ELEVATED DEPUTY VIEWING PLATFORM.

BUILDING DATA:

INSTITUTIONAL GROUP I-3: 12,149 SF
 RENOVATION (AREA OF WORK): 11,104 SF
 BUILDING SQUARE FOOTAGE: 23,253 SF

FLOOD DESIGN DATA:

N/A

CLADDING DESIGN DATA:

N/A

CODE REFERENCE

APPLICABLE CODES:

FLORIDA BUILDING CODE: EIGHTH EDITION 2023
 FLORIDA EXISTING BUILDING: EIGHTH EDITION 2023
 FLORIDA ACCESSIBILITY CODE: EIGHTH EDITION 2023
 FLORIDA MECHANICAL CODE: EIGHTH EDITION 2023
 FLORIDA PLUMBING CODE: EIGHTH EDITION 2023
 FLORIDA FIRE PREVENTION CODE: EIGHTH EDITION 2023
 NFPA 70: NATIONAL ELECTRICAL (EXCEPT ARTICLE 80): 2020

OCCUPANCY (FBC CHAPTER 3):
 INSTITUTIONAL - GROUP I-3

CLASSIFICATION OF WORK (FBC EXISTING BLDG CHAPTER 6):
 ALTERNATION - LEVEL 2

GENERAL BUILDING LIMITATIONS (FBC TABLE 504):

TYPE 2B (UNPROTECTED, SPRINKLERED)		
	ALLOWABLE:	PROVIDED:
MAX HEIGHT	75'-0"	EXISTING
HEIGHT INCREASE (SECTION 504.2)	N/A	N/A
MAX STORIES	2	1
STORY INCREASE (SECTION 504.2)	--	--
MAX AREA FBC TABLE 506.2	40,000 SQ. FT.	23,253 SQ. FT.
AREA INCREASE (SECTION 506.3, SPRINKLED, 200% INCREASE)	--	--

TYPE OF CONSTRUCTION (FBC CHAPTER 6): 2B

FIRE-RESISTANCE RATING FOR BUILDING ELEMENTS: (TABLE 601)

BUILDING ELEMENT	TYPE 2B
PRIMARY STRUCTURAL FRAME	0
BEARING WALLS EXTERIOR INTERIOR	0
NON-BEARING WALLS AND PARTITIONS (INTERIOR)	0
FLOOR CONSTRUCTION AND SECONDARY MEMBERS	0
ROOF CONSTRUCTION AND SECONDARY MEMBERS	0

INTERIOR FINISHES (TABLE 803.11):

OCCUPANCY	EXIT ENCLOSURES AND PASSAGEWAYS	CORRIDORS	ROOMS AND ENCLOSED SPACES
GROUP I-3	CLASS A	CLASS A	CLASS C

AUTOMATIC SPRINKLER SYSTEMS: (FBC 903.2)
 GROUP I-3 : REQUIRED

AN AUTOMATIC SPRINKLER SYSTEM IS EXISTING TO REMAIN THROUGHOUT.

FIRE ALARM: (FBC 907, NFPA 72)
 GROUP I-3 : REQUIRED

A MANUAL FIRE ALARM SYSTEM AND AUTOMATIC SMOKE DETECTION SYSTEM FOR ALERTING STAFF IS EXISTING TO REMAIN THROUGHOUT.

MEANS OF EGRESS (FBC CHAPTER 10)
 POPULATION/OCCUPANCY LOAD (FROM TABLE 1004.1.2)

FUNCTION OF SPACE	AREA	AREA /PERSON	OCCUPANTS
INSTITUTIONAL (I-3) - SLEEPING AREAS	12,149 SF	120 GROSS	44*
TOTAL OCCUPANT LOAD			44 PERSONS

*OCCUPANT LOAD IS DETERMINED BY ACTUAL MAXIMUM COUNT OF INMATES

MEANS OF EGRESS

(FBC CHAPTER 10)	SPRINKLERED, I-3 OCCUPANCY	
OCCUPANCY:	REQUIRED	PROVIDED
MAXIMUM TRAVEL DISTANCE (TABLE 1017.2.2)	I-3: 200'- 0"	I-3: 128' - 8"
MAXIMUM DEAD-END CORRIDOR (FBC 1020.4)	50'- 0"	N/A
TOTAL # OF BLDG EXITS (SECTION 1006.3.1)	2 PER STORY	2 PER STORY
TOTAL # OF SPACE EXITS (SECTION 1006.2.1)	2 IF GREATER THAN 49 OCCUPANTS	2
COMMON PATH OF EGRESS TRAVEL (SECTION 1006.3.2 (2))	100' - 0"	N/A
EGRESS STAIR WIDTH PER LEVEL (SECTION 1005.3.1)	0.3 x (0.4)=	N/A
OTHER EGRESS WIDTH PER LEVEL (SECTION 1005.3.2)	0.2 44 x (0.2)= 8.8	AT LEAST 36"
MINIMUM CORRIDOR AISLE WIDTH (TABLE 1020.2)	44"	104"
EXIT PASSAGE WAY FIRE RATING (SECTION 1023.3)	N/A	N/A
MINIMUM CLEAR OPENING OF EXIT DOORS (SECTION 1010.1.1)	32"	AT LEAST 36"

CORRIDOR FIRE RESISTANCE RATING: (FROM TABLE 1020.1)

OCCUPANCY CLASSIFICATION	OCCUPANT LOAD	FIRE RESISTANCE RATING (SPRINKLED)
GROUP I-3	44 PERSONS	1 HR

MINIMUM PLUMBING FACILITIES (FBC CHAPTER 403.1)

INSTITUTIONAL - 44 PERSONS

CATEGORY	WATER CLOSETS		LAVATORIES		BATH/SHOWERS		DRINKING FOUNTAINS		OTHER - SERVICE SINK
	REQUIRED	PROVIDED	REQUIRED	PROVIDED	REQUIRED	PROVIDED	REQUIRED	PROVIDED	
INSTITUTIONAL (20 CELLS / 24 GENERAL)									
CELLS	20	20	20	20	1.3	3	0.32	--	1
GENERAL	1.6	4	1.6	4	1.6	4			

NOTE: ALL INMATE AREAS SHALL MEET FLORIDA MODEL JAIL STANDARDS (EFFECTIVE DATE: 4.25.2024)



HCSO MENTAL HEALTH POD

520 N FALKENBURG ROAD
 TAMPA, FLORIDA 33619

CODE DATA - JIC

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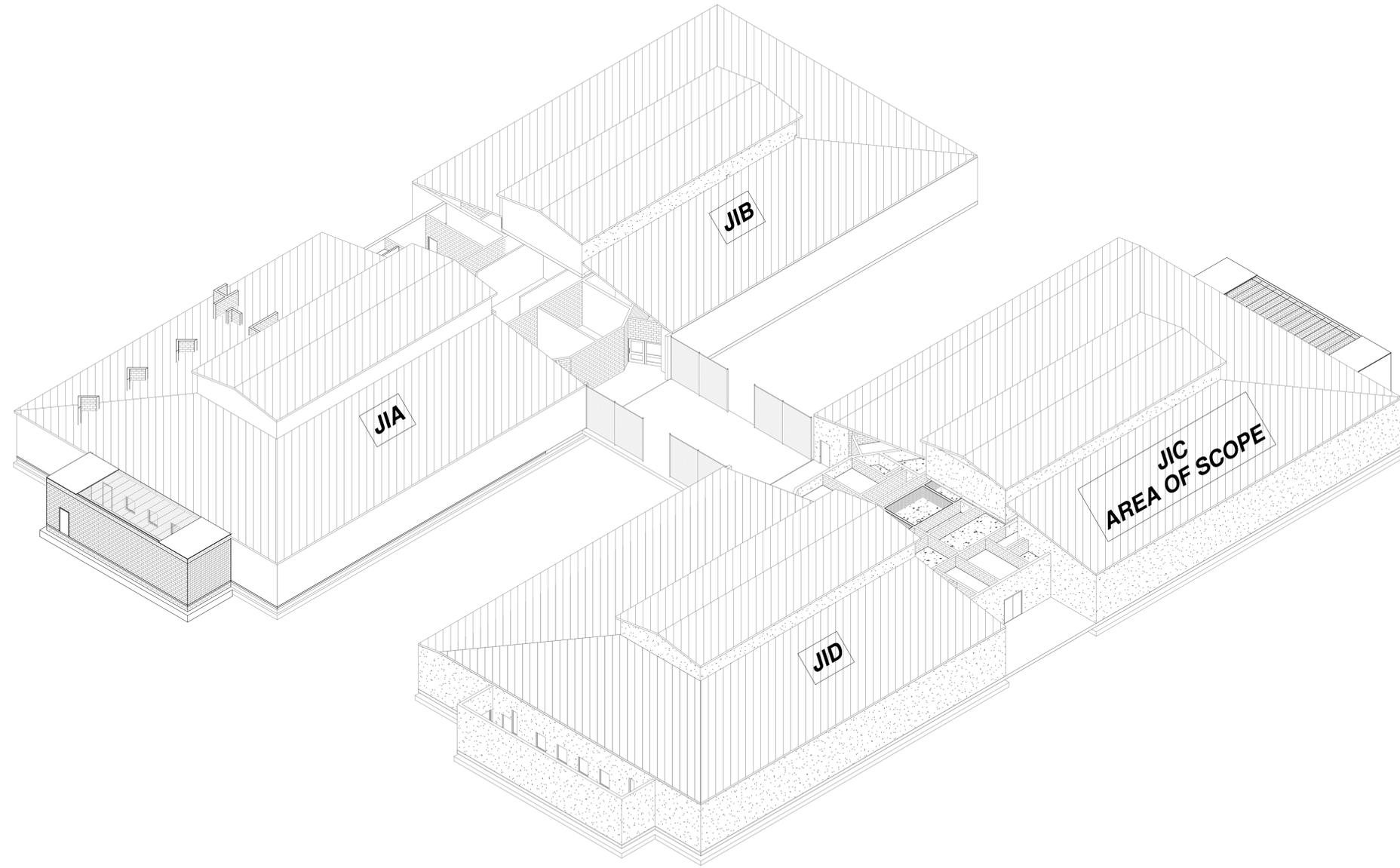
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 REVIEW BY: Project Manager
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G-001C



1 ISOMETRIC VIEW - JIC

ISOMETRIC VIEW IS A GRAPHICAL REPRESENTATION ONLY AND SHALL NOT BE USED FOR CONSTRUCTION PURPOSES

SHEET INDEX - JIC			
SHT NO#	SHEET NAME	REVIEW SET 08.14.2024	PERMIT/BID SET 08.30.2024
S-001C	COVER SHEET - JIC	•	•
S-002	STRUCTURAL GENERAL NOTES AND ABBREVIATIONS	•	•
S-003	COMPONENTS AND CLADDING	•	•
S-100C	DEMOLITION PLAN - JIC	•	•
S-101C	GROUND FLOOR PLAN - JIC	•	•
S-102C	SECOND FLOOR FRAMING PLAN - JIC	•	•
S-201	SCHEDULES & TYPICAL DETAILS	•	•
S-301	TYPICAL FOUNDATION DETAILS	•	•
S-302	TYPICAL MASONRY DETAILS	•	•
S-303	SECTIONS & DETAILS	•	•

THE
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GROUP



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ENGINEERING CERTIFICATE OF AUTHORIZATION NUMBER 21
CIVIL, TRANSPORTATION, SUBSURFACE & STRUCTURAL ENGINEERING
ECOLOGICAL | GIS | PLANNING | SURVEYING
ST. PETERSBURG • LAKEWOOD RANGE • TAMPA • GAINSVILLE • LAKE WALES
PUNTA GORDA

HCSO MENTAL HEALTH PODS - AREA B

2310 N. FALKENBURG ROAD
TAMPA, FLORIDA 33619

COVER SHEET - JIC

NOT FOR CONSTRUCTION

#	ISSUED FOR	DATE
	REVIEW	08.14.2024
	PERMIT/BID	08.30.2024

DRAWN BY: GFY
REVIEW BY: YA / DD

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S-001C

STRUCTURAL GENERAL NOTES

- CN. GENERAL**
- THE STRUCTURAL DRAWINGS AND SPECIFICATIONS ARE A PORTION OF THE CONSTRUCTION DOCUMENTS. THE CONTRACTOR AND SUBCONTRACTORS SHALL REFERENCE AND COORDINATE WITH ALL OTHER DISCIPLINE'S DRAWINGS. ANY DISCREPANCIES OR OMISSIONS SHALL BE REPORTED TO THE STRUCTURAL ENGINEER AND ARCHITECT.
 - DESIGN CRITERIA:
 - A GENERAL BUILDING CODE: 2023 FLORIDA BUILDING CODE, 8TH EDITION (2023)
 - B DESIGN LOAD CRITERIA: MINIMUM DESIGN LOADS FOR BUILDINGS AND OTHER STRUCTURES, AMERICAN SOCIETY OF CIVIL ENGINEERS, ASCE 7
 - C STRUCTURAL STEEL: SPECIFICATIONS FOR STRUCTURAL STEEL BUILDINGS, AMERICAN INSTITUTE OF STEEL CONSTRUCTION, AISC 360
 - D COLD-FORMED STEEL FRAMING: NORTH AMERICAN SPECIFICATION FOR THE DESIGN OF COLD-FORMED STEEL STRUCTURAL MEMBERS, AMERICAN IRON AND STEEL INSTITUTE, AISI S100
 - DESIGN LOADS
 - A DEAD LOADS (PSF):
 - ROOF-----20
 - FLOOR (SELF WEIGHT+15 SUPERIMPOSED)-----55
 ANY CHANGES IN CONSTRUCTION MATERIALS FROM THOSE SHOWN ON THE ARCHITECTURAL OR STRUCTURAL DRAWINGS SHALL BE REPORTED BY THE CONTRACTOR THE STRUCTURAL ENGINEER OF RECORD FOR VERIFICATION OF LOAD-CARRYING CAPACITY.
 - B LIVE LOADS (PSF):
 - ROOF (REDUCIBLE)-----20
 - FLOOR-----40
 - C WIND LOADS:
 - ULTIMATE DESIGN WIND SPEED, VuT (MPH)-----149
 - ALLOWABLE DESIGN WIND SPEED, Vsd (MPH)-----115.4
 - RISK CATEGORY-----III
 - EXPOSURE CATEGORY-----C
 - INTERNAL PRESSURE COEFFICIENT-----0.18
 - FOR WALL COMPONENT AND CLADDING PRESSURES - SEE TYPICAL DETAILS
 - EXISTING CONDITION:
 - A CONTRACTOR TO VERIFY ALL EXISTING DIMENSIONS, ELEVATIONS, AND SITE CONDITIONS PRIOR TO FABRICATION AND CONSTRUCTION. NOTIFY STRUCTURAL ENGINEER AND ARCHITECT OF ANY DISCREPANCIES PRIOR TO FABRICATION AND CONSTRUCTION.
 - SUBMITTALS:
 - A REVIEW OF SHOP DRAWINGS AND OTHER SUBMITTALS BY THE STRUCTURAL ENGINEER DOES NOT RELIEVE THE CONTRACTOR OF THE RESPONSIBILITY TO REVIEW AND CHECK SHOP DRAWINGS BEFORE SUBMITTING TO THE STRUCTURAL ENGINEER. THE CONTRACTOR REMAINS SOLELY RESPONSIBLE FOR ERRORS AND OMISSIONS ASSOCIATED WITH THE PREPARATION OF THE SHOP DRAWINGS AS THEY PERTAIN TO MEMBER SIZES, DETAILS, AND DIMENSIONS SPECIFIED IN THE CONTRACT DOCUMENTS. ALL SHOP DRAWINGS MUST BE REVIEWED AND "APPROVED" BY THE CONTRACTOR PRIOR TO SUBMITTAL.
 - B ELECTRONIC SHOP DRAWINGS ARE TO BE SUBMITTED TO THE STRUCTURAL ENGINEER IN .PDF FORMAT.
 - C RESUBMITTED SHOP DRAWINGS SHALL HAVE ALL NOTED CHANGES SINCE THE PREVIOUS SUBMISSION IDENTIFIED BY CLOUDING OR OTHERWISE CLEARLY IDENTIFIED.
 - D SHOP DRAWINGS: THE CONTRACTOR SHALL SUBMIT FOR REVIEW ALL SHOP DRAWINGS AND DELEGATED DESIGN DRAWINGS REFERENCED ON THE SUBMITTAL SCHEDULE SHOWN IN TYPICAL DETAILS. DELEGATED DESIGN DRAWINGS ARE TO BE DESIGNED BY A LICENSED PROFESSIONAL ENGINEER IN THE STATE WHERE THE PROJECT IS LOCATED. CALCULATIONS SIGNED AND SEALED BY THE LICENSED ENGINEER SHALL BE SUBMITTED TO THE ENGINEER OF RECORD FOR REVIEW.
 - ALL DETAILS SHOWN IN THE DRAWINGS ARE TYPICAL. SIMILAR DETAILS APPLY TO SIMILAR CONDITIONS.
 - THE CONTRACTOR IS RESPONSIBLE FOR MEANS, METHODS, TECHNIQUES, SEQUENCING, AND PROCEDURE OF CONSTRUCTION.
 - CONSTRUCTION MATERIALS SHALL BE SPREAD OUT IF PLACED ON FRAMED FLOORS/ROOFS. IT IS THE CONTRACTOR'S RESPONSIBILITY TO ENSURE THAT CONSTRUCTION LOADS DO NOT EXCEED THE NOTED DESIGN LIVE LOADS.

- FD. FOUNDATION:**
- THE FOUNDATIONS FOR THIS PROJECT HAS BEEN ENGINEERED ASSUMING THE SOIL IS SUITABLE TO SUPPORT 2000 PSF SPREAD FOOTINGS. G.C./OWNER SHOULD OBTAIN A SITE SPECIFIC SOIL REPORT FOR THIS LOCATION. ANY DISCREPANCY, IN ANY SOIL CONDITION, MUST BE INFORMED TO ENGINEER OF RECORD ALONG WITH THE GEOTECHNICAL ENGINEER'S RECOMMENDATIONS. THIS MAY RESULT IN REVISIONS TO THE FOUNDATION PLAN.
 - SUBGRADE PREPARATION MUST BE AS NEEDED TO OBTAIN THE SAFE BEARING PRESSURE DEFINED ABOVE. ALL ORGANICS AND UNSUITABLE SOIL MUST BE REMOVED AND A MINIMUM OF 98% COMPACTION MUST BE OBTAIN UNLESS GEOTECHNICAL ENGINEER RECOMMENDATIONS ALLOW A LOWER PERCENT OF COMPACTION.
- MA. MASONRY**
- MASONRY CONSTRUCTION SHALL CONFORM TO TMS 402/602.
 - CONCRETE MASONRY UNITS (CMU) SHALL BE NORMAL WEIGHT (DENSITY = 125 PCF), CONFORMING TO ASTM C90, UNLESS NOTED.
 - COMPRESSIVE STRENGTH OF MASONRY (F'm) IS 2000 PSI AT 28 DAYS.
 - COMPRESSIVE STRENGTH OF GROUT (F'g) IS 2500 PSI AT 28 DAYS. GROUT SHALL CONFORM TO ASTM C476 AND BE PLACED IN ACCORDANCE WITH TMS 602.
 - MORTAR SHALL CONFORM TO ASTM C270, TYPE S OR M FOR TYPICAL CONDITIONS (TYPE M FOR BASEMENT WALLS).
 - MASONRY WALLS SHALL BE LAID IN RUNNING BOND, UNLESS NOTED.
 - ALL BLOCK CELLS BELOW GRADE SHALL BE FILLED WITH CONCRETE OR GROUT.
 - SEE ARCHITECTURAL DRAWINGS FOR LOCATIONS OF CONTROL JOINTS AND OPENINGS.
 - REINFORCING BARS USED IN MASONRY SHALL MEET ASTM A615, GRADE 60.
 - CONDUIT, PIPING, AND SLEEVES OF ANY MATERIAL TO BE EMBEDDED IN MASONRY SHALL COMPLY WITH THE FOLLOWING REQUIREMENTS:
 - CANNOT BE MADE OF ALUMINUM.
 - CANNOT PASS THROUGH JAMBS, LINTELS, BOND BEAMS, OR SHEAR WALLS WITHOUT APPROVAL BY THE STRUCTURAL ENGINEER.
 - REINFORCEMENT BARS CANNOT BE CUT, BENT, OR DISPLACED.
 - SPACING OF CONDUIT, PIPE, OR SLEEVE SHALL NOT BE CLOSER THAN 3 DIAMETERS ON CENTER. MINIMUM SPACING OF DIFFERENT DIAMETERS SHALL BE DETERMINED BY THE LARGER DIAMETER.
 - TEMPORARY BRACING OF MASONRY WALLS IS THE RESPONSIBILITY OF THE CONTRACTOR AND SHALL REMAIN IN PLACE UNTIL PERMANENT RESTRAINT IS PROVIDED.
 - PROVIDE 9 GAUGE GALVANIZED HORIZONTAL JOINT REINFORCING (OUR-0-WALL OR ENGINEER APPROVED SUBSTITUTION) AT ALTERNATE BLOCK COURSES 16" OC VERTICALLY.

- STRUCTURAL DEMOLITION:**
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR SELECTING METHODS OF DEMOLITION SO THAT THE REMAINING STRUCTURE WILL NOT BE IMPAIRED OR DAMAGED.
 - SAWCUTTING AND CORING SHALL BE UTILIZED TO THE FULLEST EXTENT POSSIBLE. ISOLATE CONSTRUCTION TO BE REMOVED FROM THE STRUCTURE TO REMAIN.
 - ONLY OVERCUT OPENINGS WHERE INDICATED. USE APPROPRIATE SIZE CORES AT CORNERS SO THAT OVERCUTTING AT CORNERS WILL NOT BE NECESSARY. USE CHIPPING TOOLS WHERE CORNERS ARE REQUIRED TO BE SQUARE.
 - METHODS OF TRANSPORTING DEBRIS THROUGH THE BUILDING SHALL NOT OVERLOAD THE EXISTING OR NEW STRUCTURE.
 - CONTRACTOR SHALL PROVIDE SHORING AS REQUIRED TO SUPPORT THE STRUCTURE WHEN NEW WORK TO STRENGTHEN THE STRUCTURE CANNOT BE INSTALLED PRIOR TO DEMOLITION. MAINTAIN SHORING UNTIL NEW WORK HAS ATTAINED DESIGN STRENGTH.
- SS. STRUCTURAL STEEL**
- FABRICATE AND ERECT ALL STRUCTURAL STEEL IN ACCORDANCE WITH AISC "CODE OF STANDARD PRACTICE FOR STEEL BUILDINGS AND BRIDGES".
 - THE STEEL FRAME IS "NON-SELF-SUPPORTING". ADEQUATE TEMPORARY SUPPORT MUST BE PROVIDED BY THE CONTRACTOR TILL THE LATERAL FORCE RESISTING SYSTEM ELEMENTS AND STABILITY OF THE STRUCTURE IS IN PLACE.
 - STRUCTURAL STEEL AND STRUCTURAL STEEL CONNECTIONS MUST CONFORM TO THE FOLLOWING MINIMUM REQUIREMENTS, UNLESS NOTED ELSEWHERE IN THE DOCUMENTS.
 - A WIDE FLANGE (W & WT) SHAPES-----ASTM A992
 - B MISCELLANEOUS (M & MT), AMERICAN STANDARD (S & ST), AND WIDE FLANGE BEARING PILES (HP) SHAPES-----ASTM A572 GR. 50
 - C CHANNELS (C & MC), ANGLES (L)-----ASTM A36
 - D STIFFENER PLATES, BASE PLATES, CAP PLATES, AND OTHER CONNECTION PLATES-----ASTM A572 GR. 50
 - E HOLLOW STRUCTURAL SECTION (HSS)-----ASTM A500, GR. C
 - F STEEL PIPE-----ASTM A53, GR. B
 - G HEADED STUDS-----ASTM A108
 - H BOLTS-----ASTM F3125
 - I NUTS-----ASTM A56
 - J ANCHOR RODS-----ASTM F1554 GR. 36
 - K THREADED ROD-----ASTM A36
 - L WASHERS (FOR STRUCTURAL BOLTS)-----ASTM F436
 - M WASHERS (FOR ANCHOR BOLTS)-----ASTM A36
 - N WELDED CONNECTIONS-----E70XX ELECTRODES
 - BEAMS ARE TO BE SPACED EQUALLY IN BAYS, UNLESS DIMENSIONED ON PLAN.
 - BEAMS SHALL BE ERECTED WITH NATURAL CAMBER ORIENTED UPWARDS.
 - FABRICATE BRACING MEMBERS WITH SUFFICIENT DRAW TO PREVENT SAGGING.
 - HSS MEMBERS SHALL HAVE 1/4" CLOSURE PLATE.
 - GROUT UNDER BASE PLATES SHALL BE NON-SHRINK, NON-METALLIC TYPE. GROUT SHALL HAVE SPECIFIED DESIGN COMPRESSIVE STRENGTH TWO TIMES THAT OF THE SUPPORTING CONCRETE.
 - STRUCTURAL STEEL MEMBERS SHALL NOT BE CUT, SPLICED, OR MODIFIED IN THE FIELD UNLESS NOTED ON THE STRUCTURAL DRAWINGS OR APPROVED BY THE STRUCTURAL ENGINEER OF RECORD.
 - STRUCTURAL STEEL NOT EXPOSED TO VIEW SHALL BE PRIMED WITH THE MANUFACTURER'S STANDARD SHOP PRIMER. STRUCTURAL STEEL EXPOSED TO WEATHER IN ITS FINAL POSITION SHALL BE HOT-DIPPED GALVANIZED IN ACCORDANCE WITH ASTM A123. STRUCTURAL STEEL EXPOSED TO VIEW, REFER TO PROJECT SPECIFICATIONS FOR FINISHED COATING SYSTEM.
 - CONNECTION WORK LINES SHOWN IN THE TYPICAL DETAILS ARE ALONG THE MEMBERS NEUTRAL AXIS UNLESS NOTED.
 - ALL WELD SHALL CONFORM TO THE AMERICAN WELDING SOCIETY STANDARDS AND MUST BE PERFORMED BY A CERTIFIED WELDER.
 - ALL WELD SIZES SHOWN IN THE DRAWINGS ARE CONSIDERED EFFECTIVE WELD SIZES.
 - ALL BOLTED CONNECTIONS SHALL BE BEARING TYPE CONNECTIONS.
 - ALTERNATE CONNECTION DETAILS FROM THOSE SHOWN IN THE TYPICAL DETAILS SHALL BE SUBMITTED BY THE CONTRACTOR TO THE ARCHITECT AND STRUCTURAL ENGINEER OF RECORD FOR APPROVAL.

- CN. CONCRETE**
- CONCRETING OPERATIONS SHALL COMPLY WITH ACI STANDARDS.
 - FOR MINIMUM CONCRETE COMPRESSIVE STRENGTHS, SEE TABLE IN TYPICAL DETAILS.
 - REINFORCING BARS USED IN CONCRETE SHALL MEET ASTM A615, GRADE 60.
 - WELDED WIRE REINFORCEMENT (WWR) USED IN CONCRETE SHALL MEET ASTM A185. MINIMUM LAB AND EMBEDMENT TO BE THE GREATER OF ONE CROSS WIRE SPACING + 2", OR 6".
 - FOR REINFORCEMENT COVER REQUIREMENTS, SEE TABLE IN TYPICAL DETAILS.
 - REINFORCING BARS SHOWN IN SECTIONS AND DETAILS ARE A SCHEMATIC REPRESENTATION OF THE MEMBER REINFORCEMENT. SEE SCHEDULES, SECTION NOTES, AND GENERAL NOTES FOR ACTUAL REINFORCEMENT REQUIRED. DO NOT SCALE OFF OF SECTIONS.
 - DETAILING, FABRICATION, AND PLACEMENT OF REINFORCEMENT AND ANY ACCESSORIES SHALL BE IN ACCORDANCE WITH ACI 315, GUIDE TO PRESENTING REINFORCING STEEL DESIGN DETAILS. FABRICATION OF REINFORCEMENT STEEL CANNOT BEGIN TILL ENGINEER OF RECORD HAS REVIEWED AND APPROVED SHOP DRAWINGS. SEE SUBMITTAL SCHEDULE FOR SHOP DRAWING REQUIREMENTS.
 - SPLICES SHALL BE CLASS "B" TENSION LAP SPLICES UNLESS NOTED. REINFORCEMENT MARKED CONTINUOUS SHALL BE SPLICED WITH A CLASS "B" TENSION LAP SPLICE. BARS SHALL BE IN CONTACT WHEN MAKING A LAP SPLICE UNLESS OTHERWISE NOTED.
 - DO NOT WELD REINFORCEMENT WITHOUT PRIOR APPROVAL FROM THE ENGINEER OF RECORD.

ABBREVIATIONS	
ADDL	- ADDITIONAL
AR	- ANCHOR ROD
ALT	- ALTERNATE
APPROX	- APPROXIMATELY
ARCH	- ARCHITECT
ARCH/L	- ARCHITECTURAL
B/	- BOTTOM OF
BC	- BOTTOM CHORD
BLDG	- BUILDING
BM	- BEAM
BOTT	- BOTTOM
BRG	- BEARING
C/C	- CENTER TO CENTER
CF	- CONTINUOUS FOOTING
CIP	- CAST IN PLACE
CJ	- CONTRACTION JOINT
CJP	- COMPLETE JOINT PENETRATION
CL & C	- CENTERLINE
CLR	- CLEAR
CMU	- CONCRETE MASONRY UNIT
CNTRD	- CENTERED
COL	- COLUMN
CONC	- CONCRETE
CONCFG	- CONFIGURATION
CONT	- CONTINUOUS
CONTR	- CONTRACTOR
CTR	- CENTER
DBL	- DOUBLE
DD	- DECK DRAIN
DTL	- DETAIL
DIA	- DIAMETER
DIM	- DIMENSION
DN	- DOWN
DR	- DRAIN
DWG	- DRAWING
EA	- EACH
EE	- EACH END
EF	- EACH FACE
EJ	- EXPANSION JOINT
ELEV	- ELEVATION
ENGR	- ENGINEER
EOR	- ENGINEER OF RECORD
EOS	- EDGE OF SLAB
EQ	- EQUAL
EW	- EACH WAY
EXIST	- EXISTING
EXP	- EXPANSION
EXT	- EXTERIOR
FIN	- FINISH
FLR	- FLOOR
FD	- FLOOR DRAIN
FDN	- FOUNDATION
FOM	- FACE OF MASONRY
FS	- FAR SIDE
FT	- FOOT
FR	- FOOTING
FTG	- FOOTING
FV	- FIELD VERIFY
GA	- GAUGE
GALV	- GALVANIZED
GC	- GENERAL CONTRACTOR
GT	- GIRDER TRUSS
HC	- HOLLOW CORE
HCP	- HOLLOW CORE PLANK
HGD	- HOT DIPPED GALVANIZED
HG	- HIGH GIRDER
HK	- HOOK
HORIZ	- HORIZONTAL
HP	- HIGH POINT
HS	- HIGH STRENGTH
IJ	- ISOLATION JOINT
INFO	- INFORMATION
INS	- INSULATION
INT	- INTERIOR
IRR	- IRREGULAR
JB	- JOIST BEARING
JBE	- JOIST BEARING ELEVATION
JR	- JAMB REINFORCING
JT	- JOINT
K	- KIP(S), 1000 POUNDS
KLF	- KIPS PER LINEAR FOOT
KJ	- CONNECTION JOINT
L	- ANGLE
LG	- LONG
LLH	- LONG LEG HORIZONTAL
LLV	- LONG LEG VERTICAL
LP	- LOW POINT
LW	- LONG WAY
LWT	- LIGHTWEIGHT
MFR	- MANUFACTURER
MAS	- MASONRY
MO	- MASONRY OPENING
MATL	- MATERIAL
MAX	- MAXIMUM
MECH/L	- MECHANICAL
MTL	- METAL
MIN	- MINIMUM
MISC	- MISCELLANEOUS
NS	- NEAR SIDE
NIC	- NOT IN CONTRACT
NTS	- NOT TO SCALE
NW	- NORMAL WEIGHT
OC	- ON CENTER
OH	- OPPOSITE HAND
OPNG	- OPENING
PAF	- POWER ACTUATED FASTENERS
PART	- PARTITION
PARTL	- PARTIAL
PCJ	- PRECAST CONCRETE
JOIST	- JOIST
PJP	- PARTIAL JOINT PENETRATION
PL	- PLATE
PLF	- POUNDS PER LINEAR FOOT
PSF	- POUNDS PER SQUARE FOOT
PSI	- POUNDS PER SQUARE INCH
PT	- POST TENSIONED
PT	- PRESSURE TREATED
PNL	- PANEL
R	- RADIUS
REG	- REGULAR
REINF	- REINFORCING
REM	- REMAINDER
REQD	- REQUIRED
REV	- REVISED/REVISION
RM	- ROOM
RO	- ROUGH OPENING
ROMTS	- REQUIREMENTS
SCHED	- SCHEDULE
SECT	- SECTION
SIM	- SIMILAR
SL	- SLOPE
SOG	- SLAB-ON-GRADE
SP	- SPIRAL
SQ	- SQUARE
SS	- STAINLESS STEEL
STD	- STANDARD
STL	- STEEL
STRUCTL	- STRUCTURAL
SW#	- SHEARWALL
SW	- SHORT WAY
TI	- TOP OF
TB	- TIE BEAM
TC	- TIE COLUMN
TEMP	- TEMPERATURE
TG	- TRUSS GIRDER
TH	- TRUSS HIP
THK	- THICK
TJ	- TRUSS JACK
TR	- TRUSS
TYP	- TYPICAL
UNO	- UNLESS NOTED OTHERWISE
VERT	- VERTICAL
W/	- WITH
W/O	- WITHOUT
WD	- WOOD
WF	- WALL FOOTING
WP	- WORK POINT
WWR	- WELDED WIRE REINFORCING

LEGEND	
ITEM	SYMBOL
CONCRETE (COLUMN)	
EARTH	
CONCRETE (WALL)	
CONCRETE SHEARWALL	
LOAD BEARING CONCRETE BLOCK (CMU)	
CONCRETE BLOCK SHEARWALL (CMU)	
NON-LOAD BEARING (INFILL) CONCRETE BLOCK (CMU)	
WOOD WALL	
WOOD SHEARWALL	
LOAD BEARING METAL STUD WALL	
METAL STUD SHEAR WALL	
SECTION INDICATOR	
ELEVATION INDICATOR	
DETAIL INDICATOR	
TOP REBAR	
BOTTOM REBAR	
ITEM	SYMBOL
ELEVATION SYMBOL	
STEP IN FTG., GRADE BM. OR OTHER	
BEAM SPLICE	
MOMENT CONNECTION	
TOP OF STEEL ELEVATION	
AND	&
PLATE	Ⓡ
CENTERLINE	Ⓢ
NUMBER (PRECEEDING)	#, NO.
PLUS OR TENSION	+
MINUS OR COMPRESSION	-
POUNDS (FOLLOWING)	#
STEP IN STRUCTURE OR DEPRESSED SLAB	
COLUMN SYMBOLS	REINFORCING SYMBOLS

Structural Submittal Schedule					
Submittal Type	Description	For		Signed & Sealed Shop Dwgs	Signed & Sealed Calcs
		Approval	For Record		
31600 FOUNDATIONS					
MILD REINFORCEMENT			X		
33000 STRUCTURAL CONCRETE					
CONCRETE MIX DESIGN	SUBMIT MIX DESIGN FOR EACH CONCRETE MIX DESIGN. NOTE THE USAGE FOR EACH PROVIDED DESIGN. PROVIDE MIX RECIPE, BREAK DATE, AND PRODUCT DATA AS REQUIRED BY ACI 301.	X			
CONCRETE ACCESSORIES	VAPOR BARRIER, REBAR CHAIRS, ETC.	X			
WELDED WIRE REINFORCEMENT		X			
MILD REINFORCEMENT		X			
CONCRETE FORMWORK			X		
EMBEDDED ITEMS	EMBED PLATES, BEARING PLATES, ETC.	X			
HORIZONTAL CONSTRUCTION JOINT LOCATIONS		X			
SHORING AND RESHORING			X		X
42000 CONCRETE MASONRY UNITS (CMU)					
MASONRY PRODUCT INFORMATION		X			
MILD REINFORCEMENT	VERTICAL REINF. BOND BEAM REINF. LITEL REINF. BENT BAR SCHEDULE	X			
GROUT MIX DESIGNS	MIX DESIGN AND BREAK DATA	X			
MORTAR MIX DESIGNS		X			
MASONRY ACCESSORIES	BAR SPACERS, HORIZONTAL JOINT REINF. ETC.		X		
PRECAST LINTEL DATA		X			
51200 STRUCTURAL STEEL					
STRUCTURAL STEEL		X		X	
STEEL CONNECTION CALCULATIONS		X			X
STEEL STAIRS		X		X	
STEEL STAIR CALCULATIONS		X			X
STEEL HANDRAILS		X		X	X
54000 COLD-FORMED FRAMING					
COLD-FORMED FRAMING PRODUCT DATA	FOR WALL STUDS, FLOOR JOISTS, CONNECTIONS, AND OTHER ACCESSORIES	X			
EXTERNAL AND INTERNAL NON-LOAD BEARING WALLS	MEMBER SIZE, SPACING, CONNECTIONS, AND OTHER ACCESSORIES	X		X	X
NAILS/SCREW PRODUCT DATA		X			



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STRUCTURAL GENERAL NOTES AND ABBREVIATIONS

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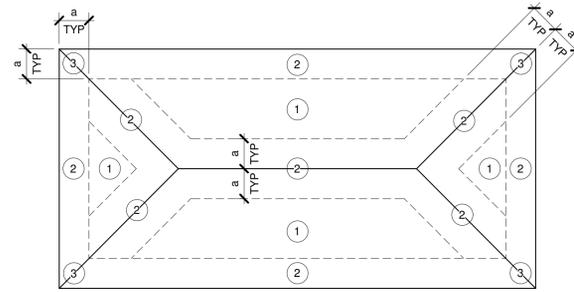
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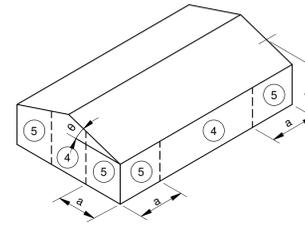
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S-002



**ROOF UPLIFT DIAGRAM
COMPONENT & CLADDING**



**COMPONENT & CLADDING
WINDOW & DOOR
WIND PRESSURES**

COMPONENTS & CLADDING NOMINAL WIND PRESSURES (PER ASCE 7-22)									
ULTIMATE WIND SPEED, V_{ult}	149 mph	NOMINAL WIND SPEED, V_{ref}	115.4 mph	EDGE DISTANCE, "a"	8'-9"				
EXPOSURE CATEGORY	C	RISK CATEGORY	III	ROOF SLOPE	4/12				
		DIRECTIONALITY FACTOR, K_d	0.85						
COMPONENT LOCATION	POSITIVE PRESSURES (psf)				NEGATIVE PRESSURES (psf)				
EFFECTIVE AREA	10 ft²	20 ft²	50 ft²	100 ft²	10 ft²	20 ft²	50 ft²	100 ft²	
ROOFS	ZONE 1	25.8	24.4	22.7	21.3	-65.8	-63.1	-59.6	-56.9
	ZONE 2	25.8	24.4	22.7	21.3	-79.1	-73.8	-66.7	-61.4
	ZONE 3	25.8	24.4	22.7	21.3	-136.9	-124.9	-109.0	-96.9
WALLS	ZONE 4: INTERIOR	52.5	50.1	47.0	44.6	-56.9	-54.5	-51.4	-49.1
	ZONE 5: EXTERIOR	52.5	50.1	47.0	44.6	-70.2	-65.5	-59.3	-54.5

NOTES:

- PRESSURE VALUES IN ABOVE TABLE ARE BASED ON THE PARAMETERS LISTED AT THE TOP OF THE TABLE.
- PRESSURE VALUES IN ABOVE TABLE ARE FOR A FULLY ENCLOSED CONDITION WITH AN INTERNAL PRESSURE COEFFICIENT OF ± 0.18 .
- GLAZED OPENINGS SHALL BE PROTECTED IN ACCORDANCE WITH SECTION 26.10.3 OF ASCE 7.
- POSITIVE OR NEGATIVE DESIGN PRESSURES SHALL NOT BE TAKEN LESS THAN 16 psf (ULTIMATE VALUE).
- PRESSURES IN ABOVE TABLE ARE ULTIMATE VALUES. WHERE TESTING IS BASED ON NOMINAL (ALLOWABLE) PRESSURES, ABOVE VALUES ARE PERMITTED TO BE MULTIPLIED BY 0.60 FOR THE PURPOSE OF SUCH TESTING.



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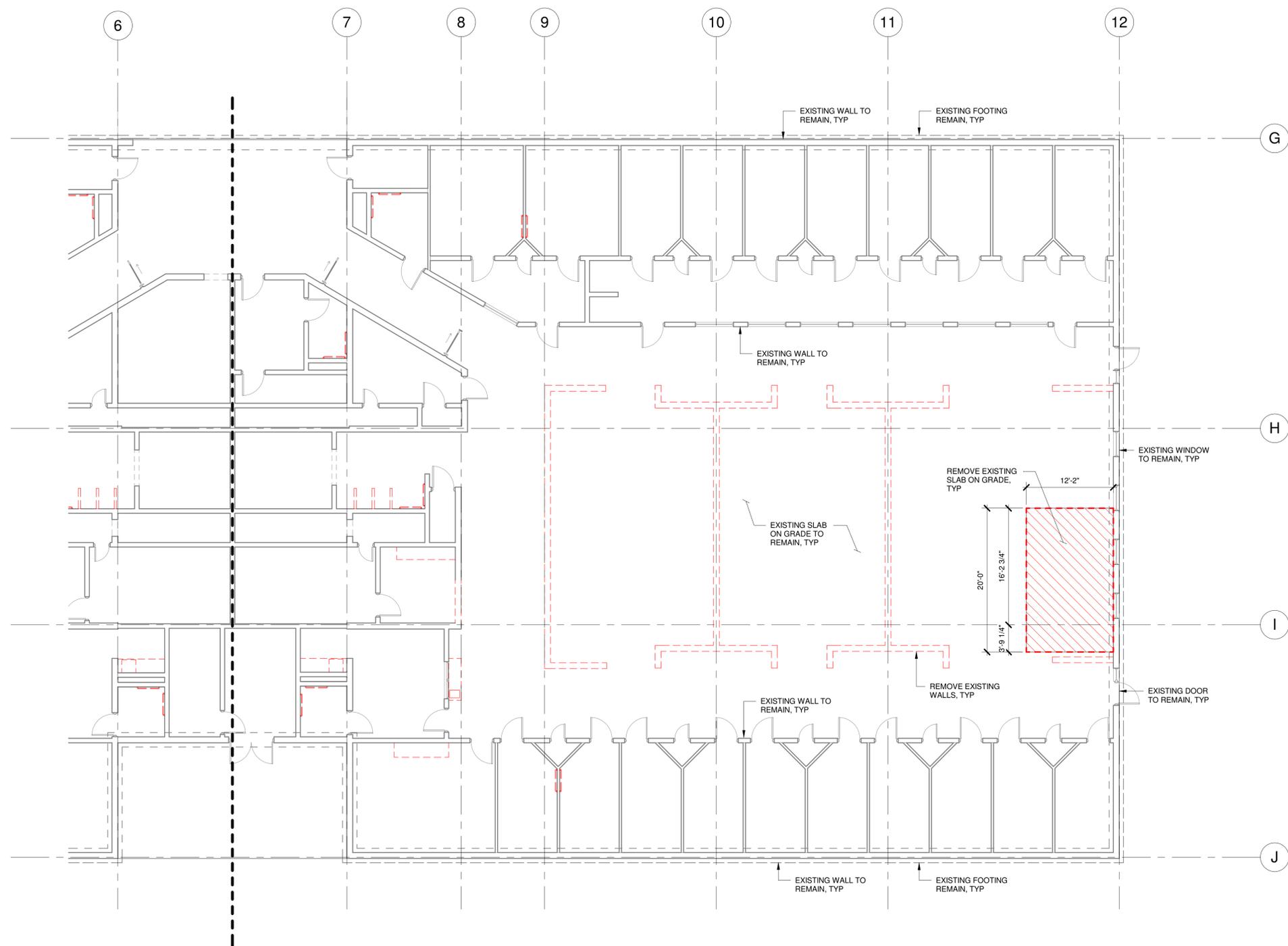
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S-003



1 DEMOLITION PLAN - JIC
1/8" = 1'-0"

- DEMO PLAN NOTES:**
- CONTRACTOR SHALL REMOVE EXISTING ITEMS AS REQUIRED BY ARCHITECTURAL CONSTRUCTION DOCUMENTS TO COMPLETE THE JOB.
 - NOT ALL ITEMS TO BE DEMOLISHED ARE SHOWN ON THE PLAN. CONTRACTOR SHALL BE RESPONSIBLE FOR PERFORMING A WALK-THRU OF THE SITE AND BECOME FAMILIAR WITH ALL EXISTING CONDITIONS FOR IDENTIFYING POSSIBLE CRITICAL ITEMS, NOT ADDRESSED OR INCORRECTLY ADDRESSED, WHICH REQUIRE REMOVAL/RELOCATION. NOTIFY EOR BEFORE ANY ADDITIONAL CMU WALLS ARE PROPOSED TO BE REMOVED, NOT INDICATED ON PLANS.
 - CONTRACTOR SHALL ALSO CHECK AND IDENTIFY ALL EXISTING WATER, SANITARY AND ELECTRIC LINES WHICH ARE TO REMAIN AND BE PROTECTED FROM DAMAGE DURING DEMOLITION AND ALTERATION OF WORK.
 - GC TO PERFORM X-RAY OF EXISTING EXTERIOR WALL PRIOR TO DEMOLITION. X-RAY TO BE PROVIDED TO OWNER, ARCHITECT & STRUCTURAL ENGINEER FOR REVIEW.
 - THE DEMOLITION WORK SHALL INVOLVE INTERVENTIONS IN AREA OUTSIDE OF THE IMMEDIATE SCOPE OF WORK, INCLUDING WORK ABOVE AND/OR BELOW THE FLOOR LEVEL WITHIN THE SCOPE. IT SHALL REQUIRE WORK INVOLVING REMOTE UTILITY LINES (FIRE SPRINKLERS, PLUMBING, MECHANICAL, ELECTRICAL, COMMUNICATIONS, ETC.) ANY SUCH WORK SHALL BE INCLUSIVE OF ALL STRUCTURES, UTILITIES, FINISHES AND EQUIPMENT REQUIRED TO RESTORE THE AREA TO FULLY OPERATIONAL CONDITIONS IN COMPLIANCE WITH ALL APPLICABLE BUILDING AND SAFETY CODE REQUISITES AND TO MEET OWNER'S APPROVAL. ALL WORK AS DESCRIBED IN THIS NOTE SHALL BE INCLUDED AS PART OF THE BASE CONTRACT PRICE.



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DEMOLITION PLAN - JIC

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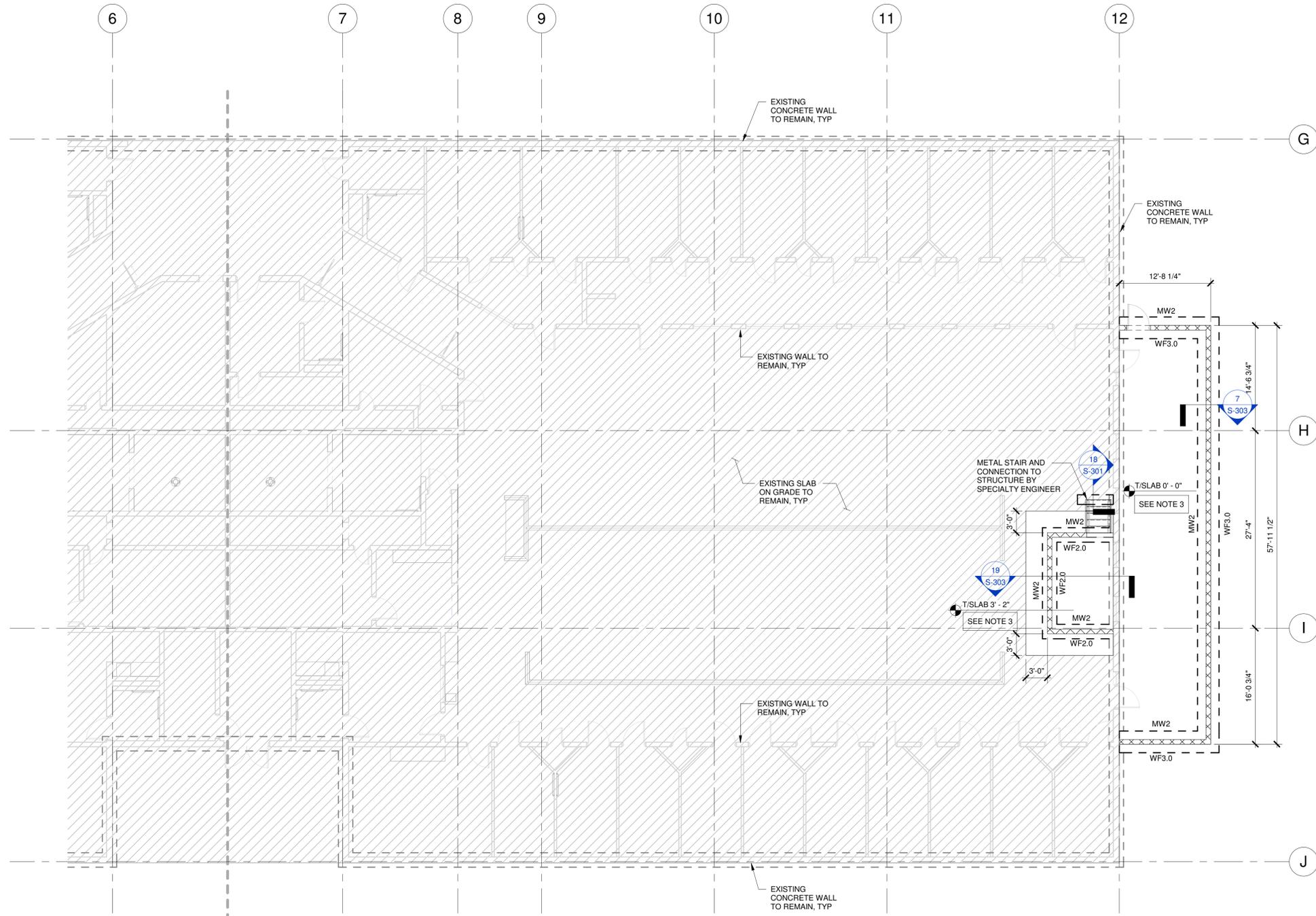
S-100C



HCSO MENTAL HEALTH PODS - AREA B

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GROUND FLOOR PLAN - JIC



1 GROUND FLOOR PLAN - JIC
1/8" = 1'-0"

- FOUNDATION NOTES:**
- FINISH FLOOR (SLAB ON GRADE) ELEVATION 0'-0", UNLESS NOTED ON PLAN.
 - VERIFY DIMENSIONS AND ELEVATIONS WITH ARCHITECTURAL DRAWINGS BEFORE COMMENCING CONSTRUCTION.
 - 5" THICK SLAB (UNO) W/ 4% DOSE OF EUCLID CONEX. PROVIDE 6x6xW2.9xW2.9 WWF IN SHEETS NOT ROLLS CHAIRED TO TOP OF SLAB. PROVIDE TOOLED OR SAW-CUT CONTROL JOINTS (CJ). SEE TYPICAL DETAILS & GENERAL NOTES.
 - DROP FOOTING BELOW UNDERGROUND UTILITIES ENTERING THE BUILDING. COORDINATE LOCATIONS OF UTILITIES WITH SITE OR CIVIL DRAWINGS. SEE TYPICAL DETAILS FOR HOW TO STEP FOUNDATION.
 - "TE" INDICATES A THICKENED SLAB EDGE. SEE TYPICAL DETAILS FOR TYPES AND REINFORCING.
 - "MW#X" INDICATES CONCRETE MASONRY WALL. ALL WALLS ARE MW1 UNO. SEE CMU SCHEDULE FOR SIZE & REINFORCEMENT.
 - "FX.X" AND "WFX.X" INDICATES SPREAD FOOTING AND WALL FOOTING RESPECTIVELY. REFER TO FOUNDATION SCHEDULE ON THIS SHEET FOR SIZES AND REINFORCEMENT.
 - FOR OPENINGS LARGER THAN 9'-0" GROUT END BLOCKS SOLID W/ #6 BARS IN EACH BLOCK CELL.

LEGEND	
	INDICATES CMU WALL (MW-#), SEE SCHEDULE
	INDICATES CIP INFILL WALL
	INDICATES EXISTING SLAB ON GRADE, REFER ARCH DWGS

FOUNDATION SCHEDULE								
MARK	LENGTH	FTG WIDTH	THICKNESS	BOTTOM REINFORCING LW	BOTTOM REINFORCING SW	TOP REINFORCING LW	TOP REINFORCING SW	COMMENTS
WF2.0	CONT	2'-0"	1'-4"	(3) #5	#5@12" OC	-	-	
WF3.0	CONT	3'-0"	2'-0"	(4) #5	#5@12" OC	(4) #5	#5@12" OC	

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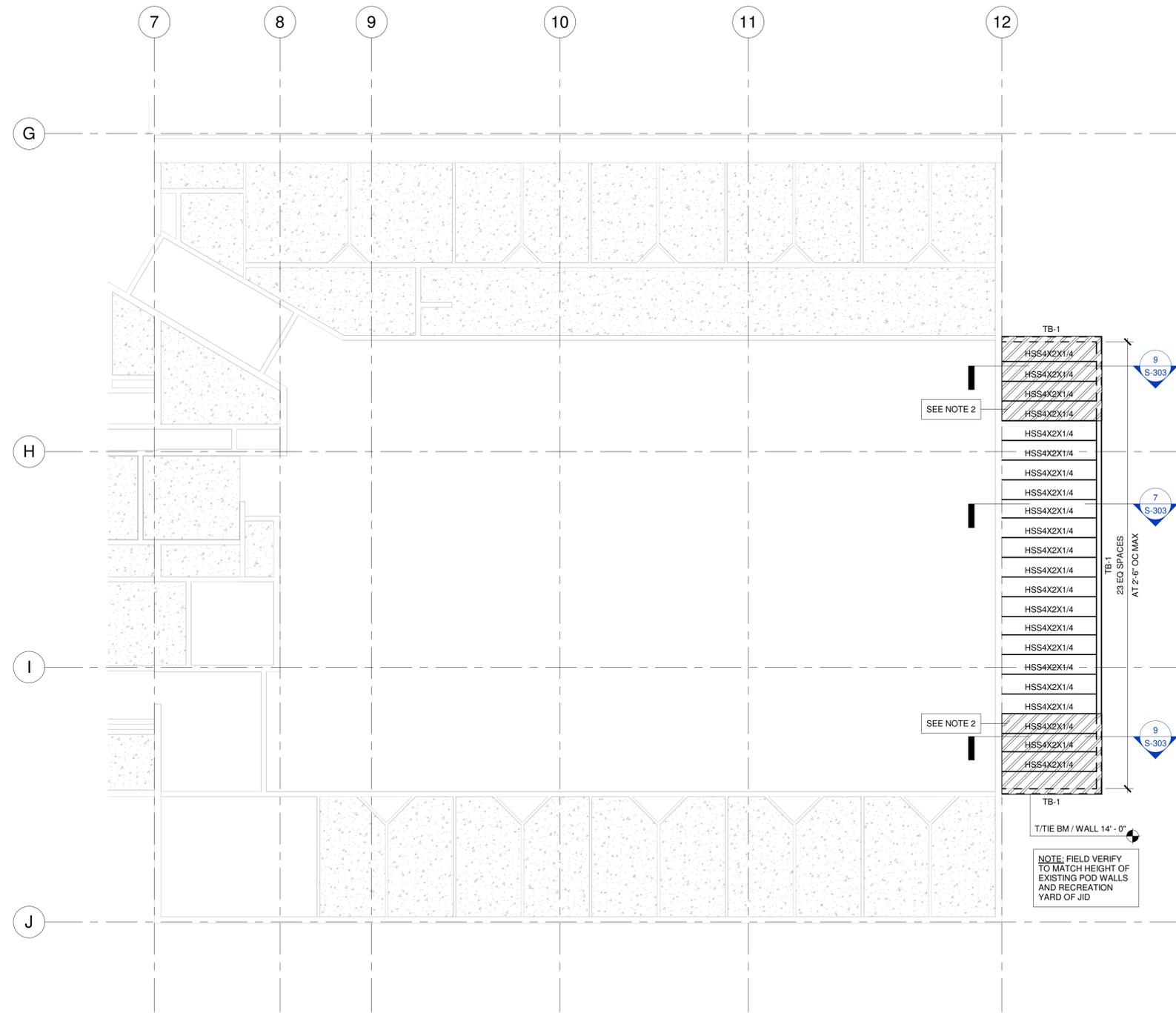
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S-101C



1 SECOND FLOOR FRAMING PLAN - JIC
1/8" = 1'-0"

- FLOOR FRAMING NOTES:**
1. VERIFY DIMENSIONS AND ELEVATIONS WITH ARCHITECTURAL DRAWINGS BEFORE COMMENCING CONSTRUCTION.
 2. 1-1/2" (20 GAGE) G90 GALV TYPE B ROOF DECK. FASTEN ROOF DECK TO SUPPORTS PER ROOF DECK ATTACHMENT SCHEDULE ON SHEET S-201.
 3. TB-# - INDICATES CONCRETE TIE BEAM, SEE SCHEDULE ON S-201 FOR REINF DETAIL.

CONCRETE BEAM SCHEDULE						
MARK	SIZE WxD (IN)	BOTTOM REINFORCING	TOP REINFORCING	'M' BARS	STIRRUP	COMMENTS
TB-1	7 5/8" x 16"	(2) #5	(2) #5	-	#3@8" OC	

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S-102C



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SCHEDULES & TYPICAL DETAILS

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S-201

CLASS 'A' SPLICE SCHEDULE								
DEVELOPMENT LENGTH SHALL BE PER FOLLOWING TABLE MODIFIED PER NOTES BELOW								
GRADE 60 STEEL								
NORMAL WEIGHT CONCRETE STRENGTH								
BAR	3000 PSI	4000 PSI	5000 PSI	6000 PSI	7000 PSI	8000 PSI	9000 PSI	10000 PSI AND HIGHER
#3	1'-5"	1'-3"	1'-1"	1'-0"	1'-0"	1'-0"	1'-0"	1'-0"
#4	1'-10"	1'-7"	1'-5"	1'-4"	1'-3"	1'-2"	1'-1"	1'-1"
#5	2'-3"	2'-0"	1'-10"	1'-8"	1'-6"	1'-5"	1'-4"	1'-4"
#6	2'-9"	2'-5"	2'-2"	2'-0"	1'-10"	1'-10"	1'-8"	1'-8"
#7	4'-0"	3'-6"	3'-2"	2'-10"	2'-8"	2'-6"	2'-4"	2'-3"
#8	4'-7"	4'-0"	3'-7"	3'-3"	3'-0"	2'-10"	2'-8"	2'-7"
#9	5'-2"	4'-6"	4'-0"	3'-8"	3'-5"	3'-2"	3'-1"	3'-0"
#10	5'-10"	5'-1"	4'-6"	4'-2"	3'-10"	3'-7"	3'-5"	3'-4"
#11	6'-6"	5'-7"	5'-0"	4'-7"	4'-3"	4'-0"	3'-10"	3'-8"

GRADE 75 STEEL								
NORMAL WEIGHT CONCRETE STRENGTH								
BAR	3000 PSI	4000 PSI	5000 PSI	6000 PSI	7000 PSI	8000 PSI	9000 PSI	10000 PSI AND HIGHER
#3	1'-9"	1'-6"	1'-4"	1'-3"	1'-2"	1'-1"	1'-0"	1'-0"
#4	2'-3"	2'-0"	2'-0"	1'-9"	1'-6"	1'-5"	1'-4"	1'-4"
#5	2'-10"	2'-6"	2'-3"	2'-1"	2'-0"	1'-9"	1'-8"	1'-7"
#6	3'-5"	3'-0"	2'-8"	2'-5"	2'-3"	2'-2"	2'-1"	2'-0"
#7	5'-0"	4'-4"	4'-0"	3'-7"	3'-4"	3'-1"	3'-0"	2'-9"
#8	5'-9"	5'-0"	4'-5"	4'-1"	3'-9"	3'-6"	3'-4"	3'-2"
#9	6'-5"	5'-7"	5'-0"	4'-7"	4'-3"	4'-0"	3'-10"	3'-7"
#10	7'-3"	6'-4"	5'-8"	5'-2"	4'-9"	4'-6"	4'-3"	4'-1"
#11	8'-1"	7'-0"	6'-3"	5'-9"	5'-4"	5'-0"	4'-9"	4'-6"

- NOTES:
- FOR CLEAR SPACING BETWEEN BARS C_{db} AND/OR CLEAR COVER C_{db}, MULTIPLY BY 1.5.
 - FOR TOP BARS MULTIPLY BY 1.3.
 - FOR EPOXY COATED BARS, IF SPECIFIED OR APPROVED AS AN ALTERNATE, MULTIPLY BY 1.3.
 - FOR MMFX BARS, IF SPECIFIED OR USED, USE GRADE 75 KSI VALUES.
 - WHERE MORE THAN ONE FACTOR APPLIES, PRODUCT OF ALL APPLICABLE FACTORS SHALL BE APPLIED.
 - IF DETAILER IS TO USE A DIFFERENT SCHEDULE, HE/SHE MUST SUBMIT A SEALED LETTER INDICATING THAT HIS/HER VALUES CORRESPOND TO CURRENT ACI 318 CODE.

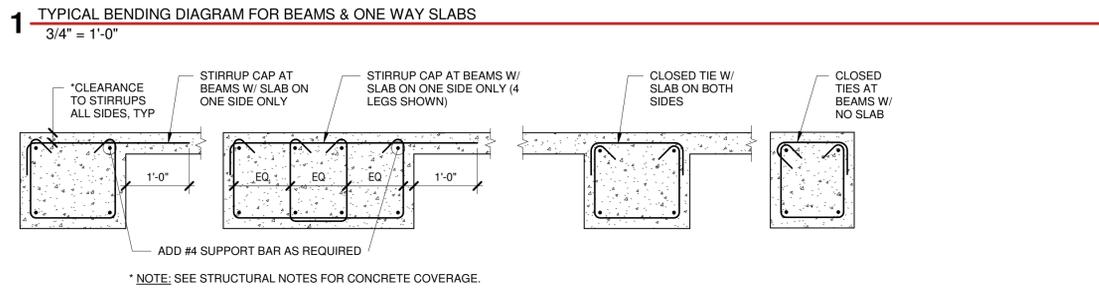
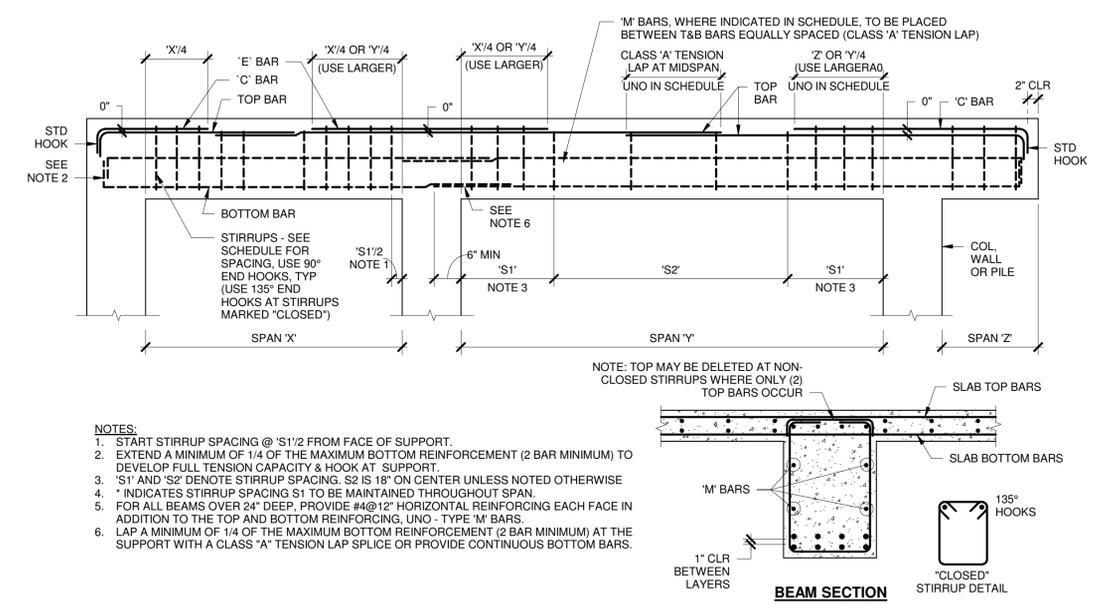
4 CLASS 'A' SPLICE SCHEDULE
 12" = 1'-0"

CLASS 'B' SPLICE SCHEDULE								
DEVELOPMENT LENGTH SHALL BE PER FOLLOWING TABLE MODIFIED PER NOTES BELOW								
GRADE 60 STEEL								
NORMAL WEIGHT CONCRETE STRENGTH								
BAR	3000 PSI	4000 PSI	5000 PSI	6000 PSI	7000 PSI	8000 PSI	9000 PSI	10000 PSI AND HIGHER
#3	1'-9"	1'-6"	1'-5"	1'-3"	1'-2"	1'-1"	1'-0"	1'-0"
#4	2'-4"	2'-1"	1'-10"	1'-8"	1'-7"	1'-5"	1'-4"	1'-4"
#5	3'-3"	2'-7"	2'-4"	2'-1"	2'-0"	1'-10"	1'-9"	1'-8"
#6	3'-7"	3'-1"	2'-9"	2'-6"	2'-4"	2'-2"	2'-1"	2'-0"
#7	5'-2"	4'-6"	4'-0"	3'-8"	3'-5"	3'-2"	3'-0"	2'-10"
#8	6'-0"	5'-2"	4'-7"	4'-2"	4'-0"	3'-8"	3'-5"	3'-3"
#9	6'-8"	5'-10"	5'-2"	4'-9"	4'-5"	4'-1"	3'-10"	3'-8"
#10	7'-6"	6'-6"	5'-10"	5'-4"	5'-0"	4'-7"	4'-4"	4'-2"
#11	8'-4"	7'-3"	6'-6"	6'-0"	5'-6"	5'-1"	4'-10"	4'-7"

GRADE 75 STEEL								
NORMAL WEIGHT CONCRETE STRENGTH								
BAR	3000 PSI	4000 PSI	5000 PSI	6000 PSI	7000 PSI	8000 PSI	9000 PSI	10000 PSI AND HIGHER
#3	2'-3"	2'-0"	1'-9"	1'-7"	1'-5"	1'-4"	1'-3"	1'-3"
#4	3'-0"	2'-7"	2'-4"	2'-1"	2'-0"	1'-10"	1'-9"	1'-8"
#5	3'-9"	3'-3"	2'-10"	2'-7"	2'-5"	2'-3"	2'-2"	2'-0"
#6	4'-5"	3'-10"	3'-5"	3'-2"	3'-0"	2'-9"	2'-7"	2'-5"
#7	6'-6"	5'-7"	5'-0"	4'-7"	4'-3"	4'-0"	3'-9"	2'-9"
#8	7'-5"	6'-5"	5'-9"	5'-3"	4'-10"	4'-7"	4'-3"	4'-1"
#9	8'-4"	7'-3"	6'-6"	6'-0"	5'-6"	5'-1"	4'-10"	4'-7"
#10	9'-5"	8'-2"	7'-4"	6'-8"	6'-2"	5'-9"	5'-5"	5'-2"
#11	10'-5"	9'-1"	8'-1"	7'-5"	6'-10"	6'-5"	6'-0"	5'-9"

- NOTES:
- FOR CLEAR SPACING BETWEEN BARS C_{db} AND/OR CLEAR COVER C_{db}, MULTIPLY BY 1.5.
 - FOR TOP BARS MULTIPLY BY 1.3.
 - FOR EPOXY COATED BARS, IF SPECIFIED OR APPROVED AS AN ALTERNATE, MULTIPLY BY 1.3.
 - FOR MMFX BARS, IF SPECIFIED OR USED, USE GRADE 75 KSI VALUES.
 - WHERE MORE THAN ONE FACTOR APPLIES, PRODUCT OF ALL APPLICABLE FACTORS SHALL BE APPLIED.
 - IF DETAILER IS TO USE A DIFFERENT SCHEDULE, HE/SHE MUST SUBMIT A SEALED LETTER INDICATING THAT HIS/HER VALUES CORRESPOND TO CURRENT ACI 318 CODE.

3 CLASS 'B' SPLICE SCHEDULE
 12" = 1'-0"



Concrete Cover Requirements		
Structural Element	Reinforcement	Cover (in)
Members Not Exposed to Weather or in Contact With Ground		
Slabs	All	3/4"
Joists	All	3/4"
Walls	All	3/4"
Beams	To Stirrups	1 1/2"
Columns	To Stirrups	1 1/2"
Members Exposed to Weather or in Contact With Ground		
Slabs	#5 or Smaller	1 1/2"
	#6 or Larger	2"
Columns/Pedestals	#5 or Smaller	1 1/2"
	#6 or Larger	2"
Walls	#5 or Smaller	1 1/2"
	#6 or Larger	2"
Slab on Grade	WWR	2" From Top
Foundations and Grade Beams	Bottom/Side Top	3" 2"

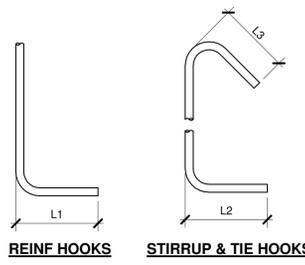
8 CONCRETE COVER REQUIREMENTS
 3/4" = 1'-0"

ENG NOTES:

- TABLE IS AN EXAMPLE OF TYPES OF STRUCTURAL ELEMENTS AND THEIR DESIGN STRENGTHS.
- EXPOSURE CLASSES NOTED ARE FOR STANDARD INTERIOR CONSTRUCTION AND SOILS WITH NO CHLORIDES. VERIFY EXPOSURE CLASS WITH PROJECT SPECIFIC CONDITIONS.

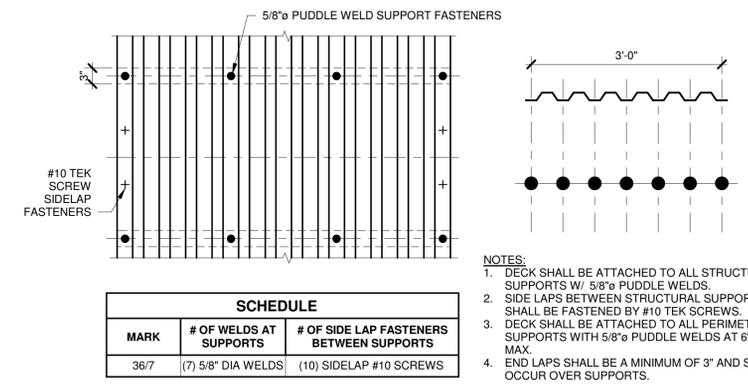
Concrete Compressive Strengths		
Structural Element	Exposure Class	Design Strength, f_c (PSI)
Foundations and Stem Walls	C1	3000
Slab on Grade	C1	3000
Concrete on Metal Deck	W0	3500
Columns	W0	5000
Walls	W0	5000
Beams	W0	5000
Elevated Slabs	W0	5000

7 CONCRETE COMPRESSIVE STRENGTHS
 3/4" = 1'-0"

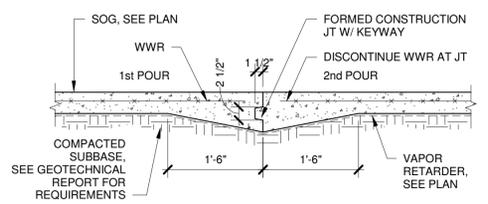


BAR SIZE	SCHEDULE		
	REINFORCING HOOK L1	STIRRUP & TIE HOOKS L2	L3
#3	6"	4"	2 1/2"
#4	8"	4 1/2"	3"
#5	10"	-	-
#6	1'-0"	-	-
#7	1'-2"	-	-
#8	1'-4"	-	-
#9	1'-7"	-	-
#10	1'-10"	-	-
#11	2'-0"	-	-

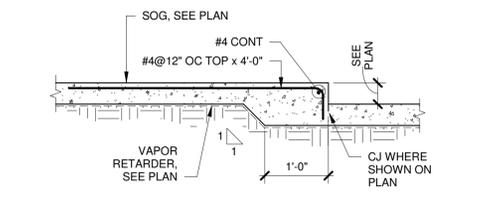
6 STD HOOK LENGTHS
 1" = 1'-0"



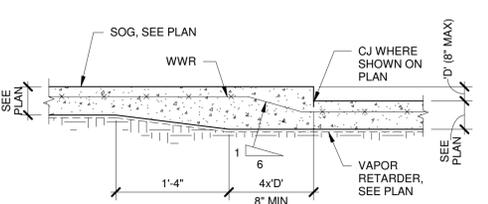
5 ROOF DECK ATTACHMENT SCHEDULE
 3/4" = 1'-0"



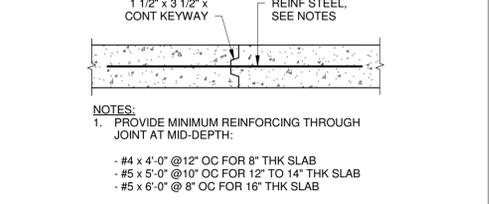
5 CONSTRUCTION JOINT AT SOG
3/4" = 1'-0"



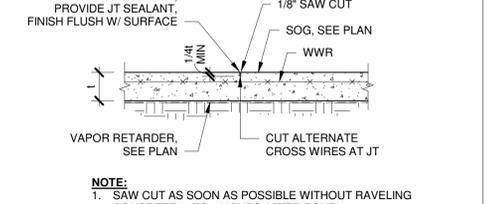
4 DEPRESSED SOG
3/4" = 1'-0"



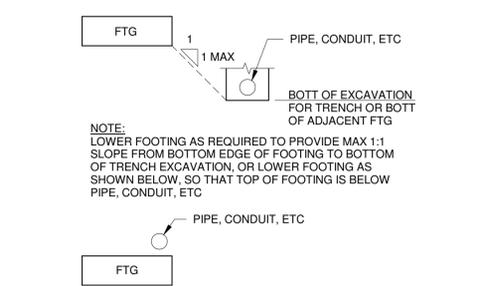
3 DEPRESSED SOG
1" = 1'-0"



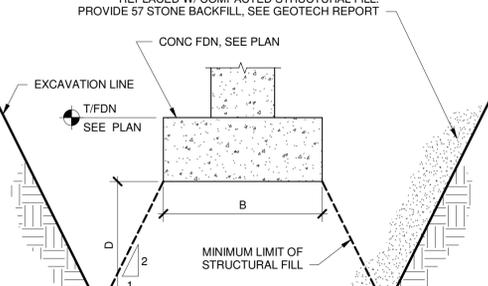
2 CONSTRUCTION JOINT AT STRUCTURAL SLAB
3/4" = 1'-0"



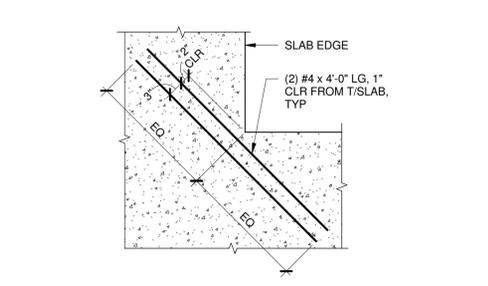
1 CONTROL JOINT AT SOG (CJ)
1" = 1'-0"



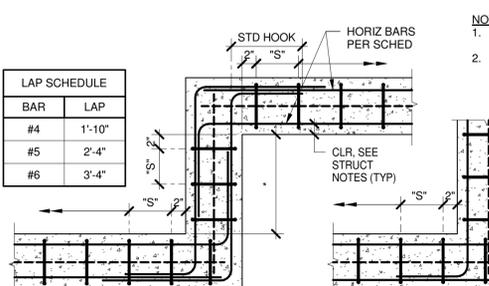
10 FOUNDATION INFLUENCE
3/4" = 1'-0"



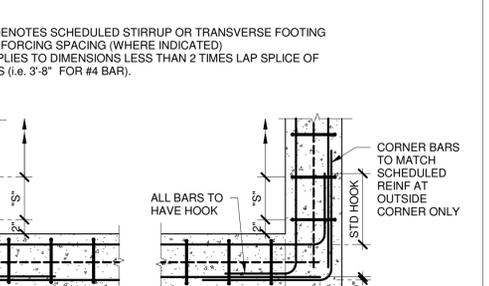
9 FOUNDATION UNDERCUTTING
3/4" = 1'-0"



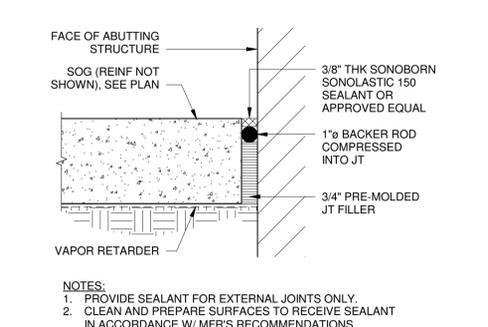
8 SOG REINF AT RE-ENTRANT CORNERS
3/4" = 1'-0"



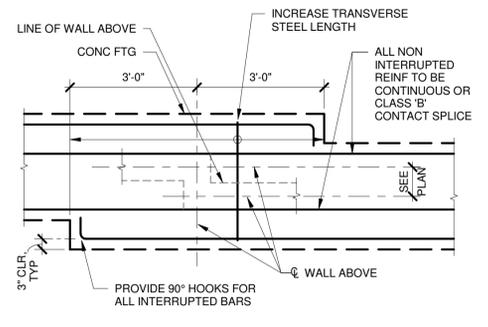
7 FOOTING / TIE BEAM CORNER REINFORCING DETAILS
1" = 1'-0"



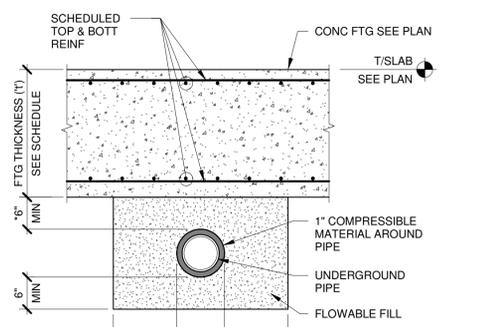
11 TURNED DOWN SLAB EDGE
3/4" = 1'-0"



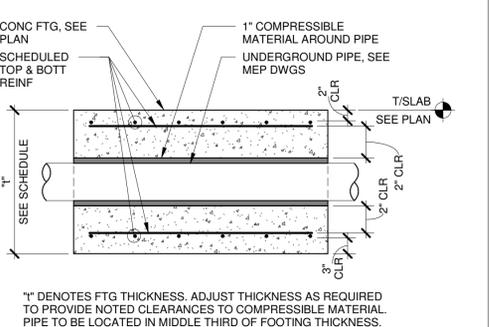
15 ISOLATION JOINT AT SOG (IJ)
3" = 1'-0"



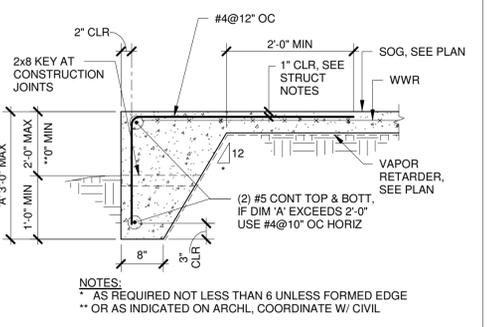
14 FOOTING OFFSET DETAIL
1/2" = 1'-0"



13 PIPE BELOW SLAB OR FOOTING
3/4" = 1'-0"



12 PIPE PENETRATION THROUGH FOOTING
3/4" = 1'-0"



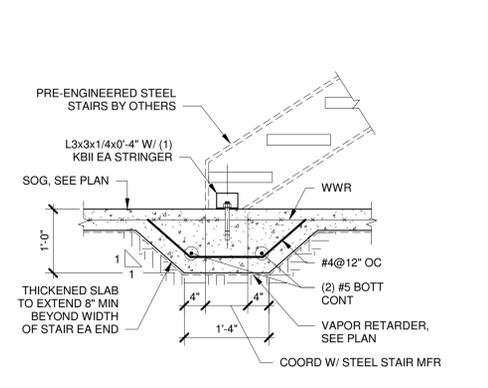
16 SOG CONNECTION TO EXISTING
1" = 1'-0"



18 STEEL STAIR FOOTING
3/4" = 1'-0"



17 CMU AT THICKENED SLAB FOOTING
3/4" = 1'-0"



16 SOG CONNECTION TO EXISTING
1" = 1'-0"



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S-301



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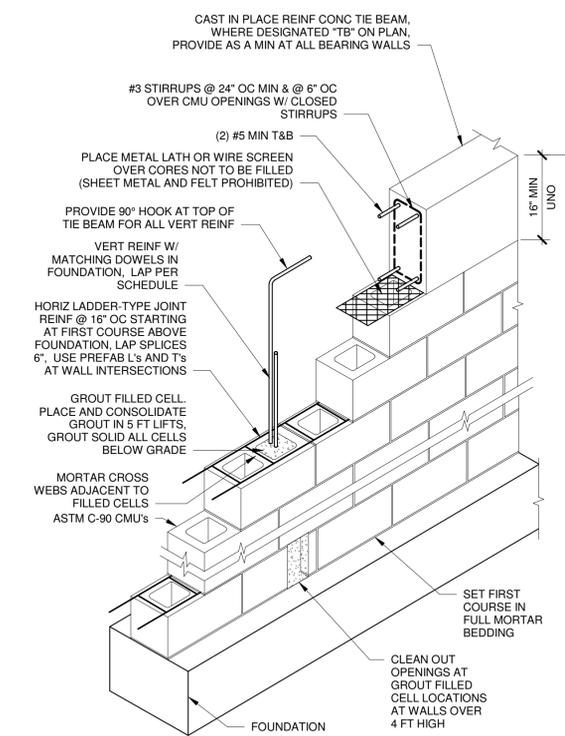
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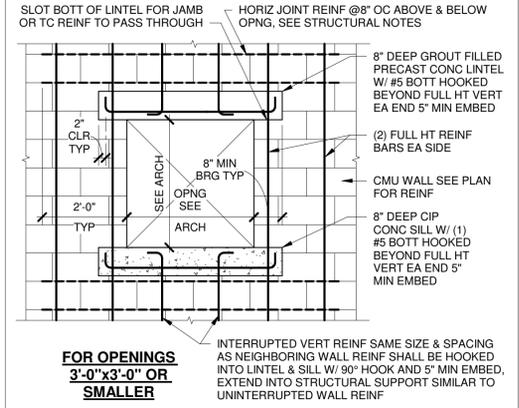
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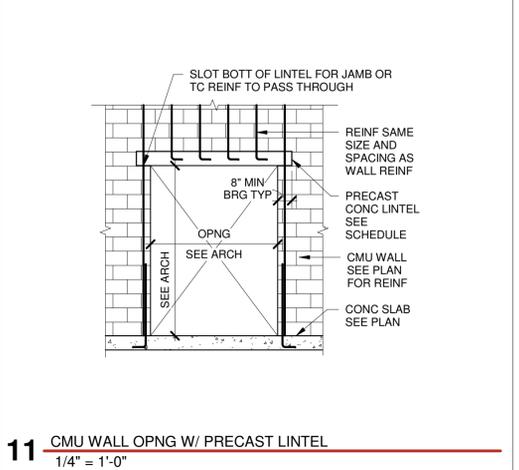
S-302



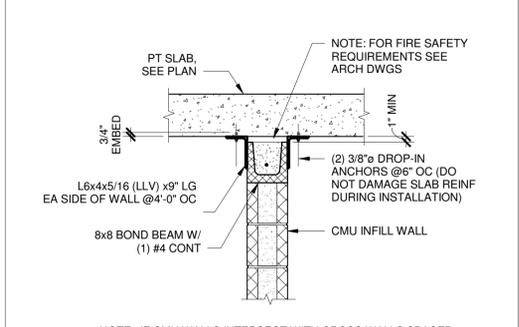
7 TYPICAL MASONRY WALL CONSTRUCTION DETAIL FOR RUNNING BOND LAYOUT
3/4" = 1'-0"



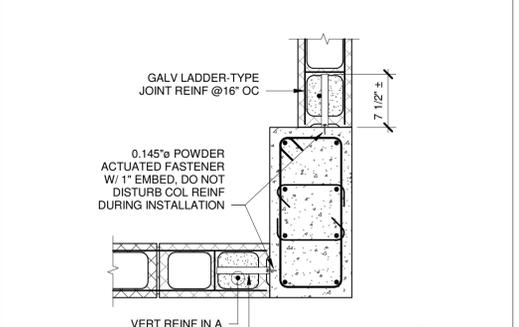
12 MINOR CMU WALL OPNGS
1/2" = 1'-0"



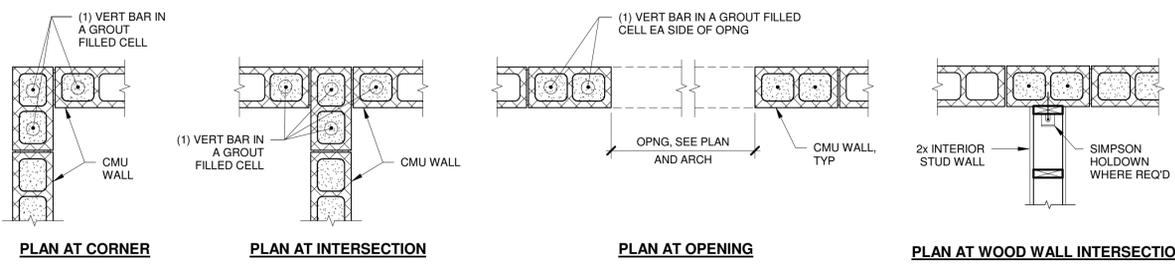
11 CMU WALL OPNG W/ PRECAST LINTEL
1/4" = 1'-0"



17 NON-LOAD BEARING CMU WALL ANCHORAGE
3/4" = 1'-0"



16 CMU ANCHORAGE TO CONCRETE
1" = 1'-0"

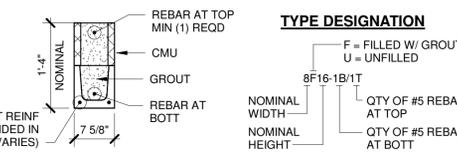
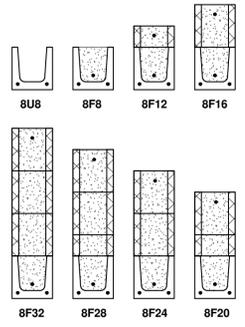


NOTES:
1. SEE TYP MASONRY WALL CONSTRUCTION FOR JOINT REINFORCING NOT SHOWN HERE.
2. SEE PLAN FOR REINFORCING SIZE.

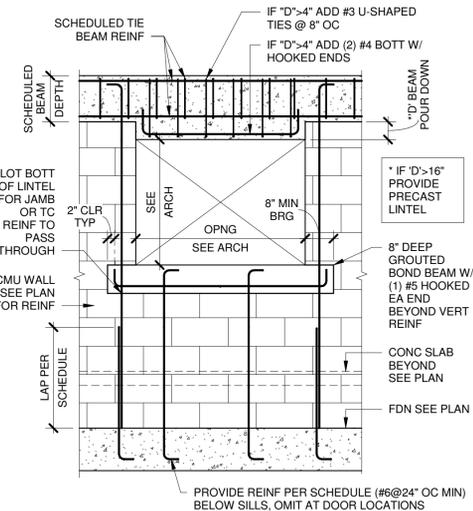
5 REINFORCING AT CMU WALL CORNERS, INTERSECTIONS AND OPENINGS
3/4" = 1'-0"

LINTEL SCHEDULE		
LINTEL SPAN	LINTEL DESIGNATION	REMARKS
UP TO 4'-0"	8 F8-1B	-
FROM 4'-1" TO 6'-0"	8 F16-1B/1T	-
FROM 6'-1" TO 8'-0"	8 F20-1B/2T	-
FROM 8'-1" TO 10'-0"	8 F24-2B/2T	-
OVER 10'-0"	CAST IN PLACE BEAM	SEE PLANS

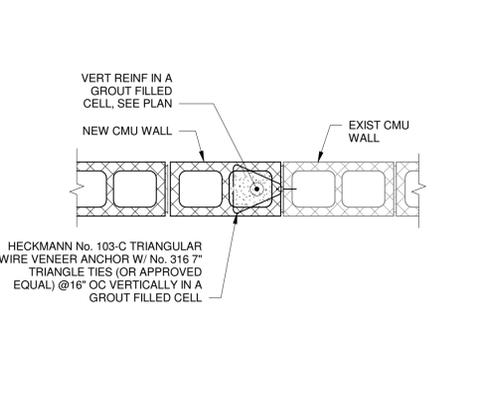
NOTES:
1. LINTELS SHALL BE "CAST-CRETE" OR EQUIVALENT PRECAST CONCRETE UNO.
2. LINTELS SHALL BEAR 8" MIN ON CMU/CONCRETE AND 3" MINIMUM ON STEEL ANGLES.



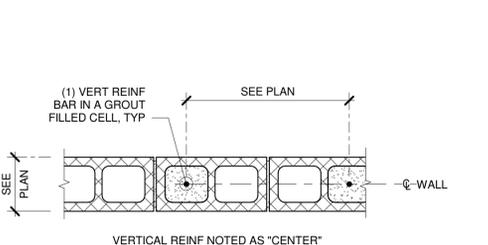
10 LINTEL SCHEDULE AND DETAILS
3/4" = 1'-0"



13 CMU WALL OPNG AT CONC TIE BEAM
1/2" = 1'-0"



15 NEW TO EXIST CMU ANCHORAGE
1" = 1'-0"



14 CMU BAR PLACEMENT REQUIREMENTS
1" = 1'-0"

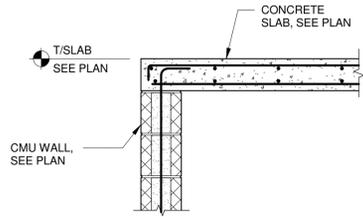
19 CMU WALL SCHEDULE
3/4" = 1'-0"

CMU WALL SCHEDULE			
MARK	THICKNESS	REINFORCING	COMMENTS
MW1	8"	#5@32" OC	9-GA HORIZ. REINF. PER TYP. DETAILS
MW2	8"	#5@16" OC	9-GA HORIZ. REINF. PER TYP. DETAILS

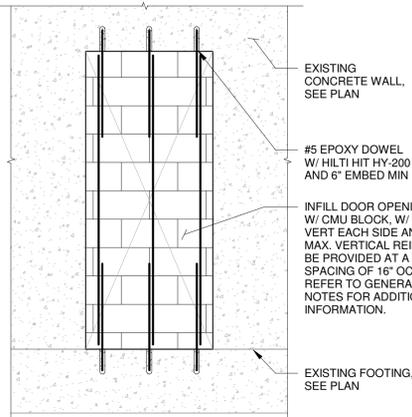
NOTES:
PROVIDE A MINIMUM OF (1) #5 VERT REINF BAR IN A GROUT FILLED CELL AT ALL WALL INTERSECTIONS, CORNERS, ENDS OF WALLS AND AT EDGES OF ALL WALL OPENINGS EXCEEDING 2'-0" IN WIDTH.
INTERIOR WALLS DO NOT REQUIRE VERT REINF UNLESS SPECIFICALLY SHOWN OR NOTED OTHERWISE ON PLAN. SEE TYP MASONRY (CMU) WALL CONSTRUCTION DETAIL FOR ADDITIONAL CMU WALL REINFORCING REQUIREMENTS.

18 CMU VERTICAL REINFORCING LAP SCHEDULE
3/4" = 1'-0"

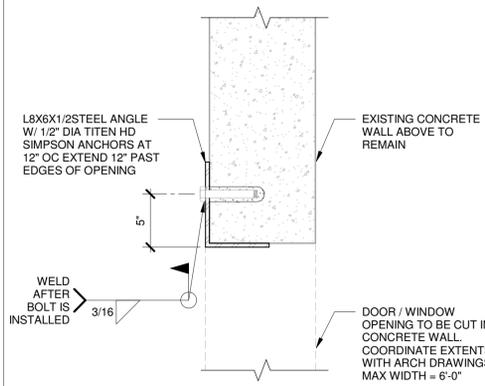
SCHEDULE		
WALL THICKNESS	BAR	LAP
8"	#4	1'-8"
8"	#5	2'-1"
8"	#6	3'-7"
8"	#7	4'-11"
12"	#4	1'-8"
12"	#5	2'-1"
12"	#6	3'-3"
12"	#7	3'-10"



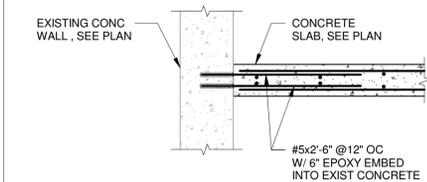
5 CONCRETE SLAB OVER CMU WALL DETAIL
3/4" = 1'-0"



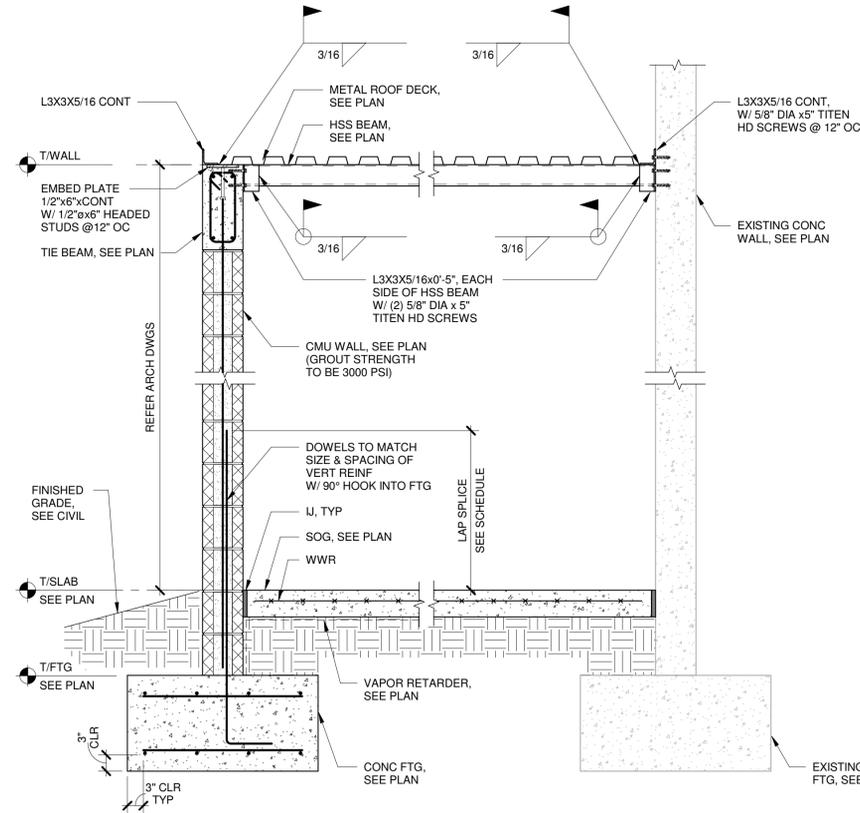
10 CMU INFILL WALL DETAIL
1/2" = 1'-0"



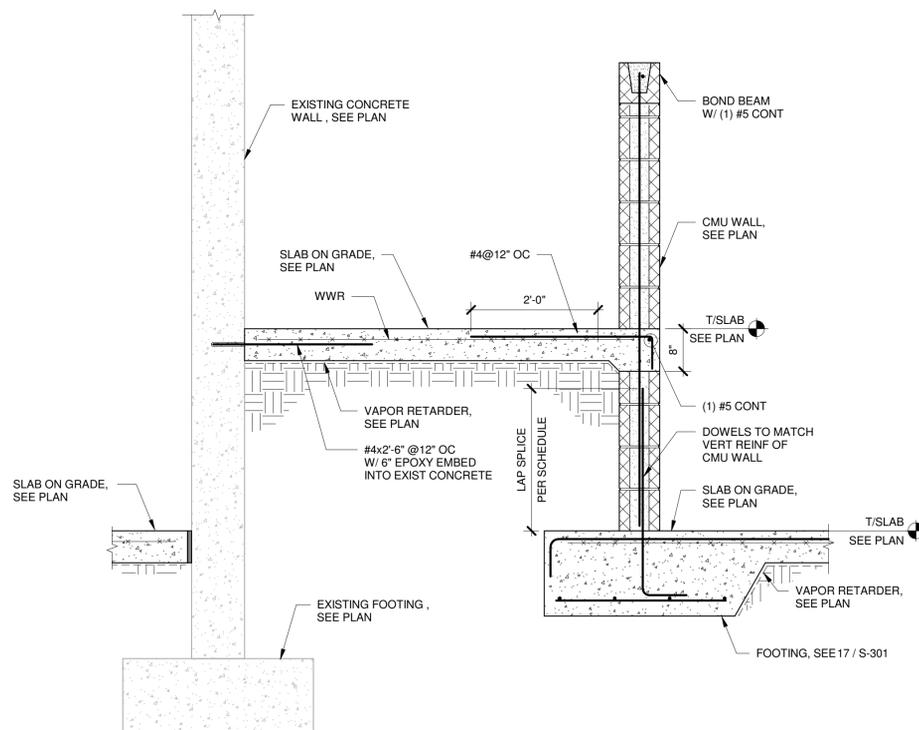
15 SECTION AT ANGLE SUPPORT TO EXIST CONCRETE WALL
1 1/2" = 1'-0"



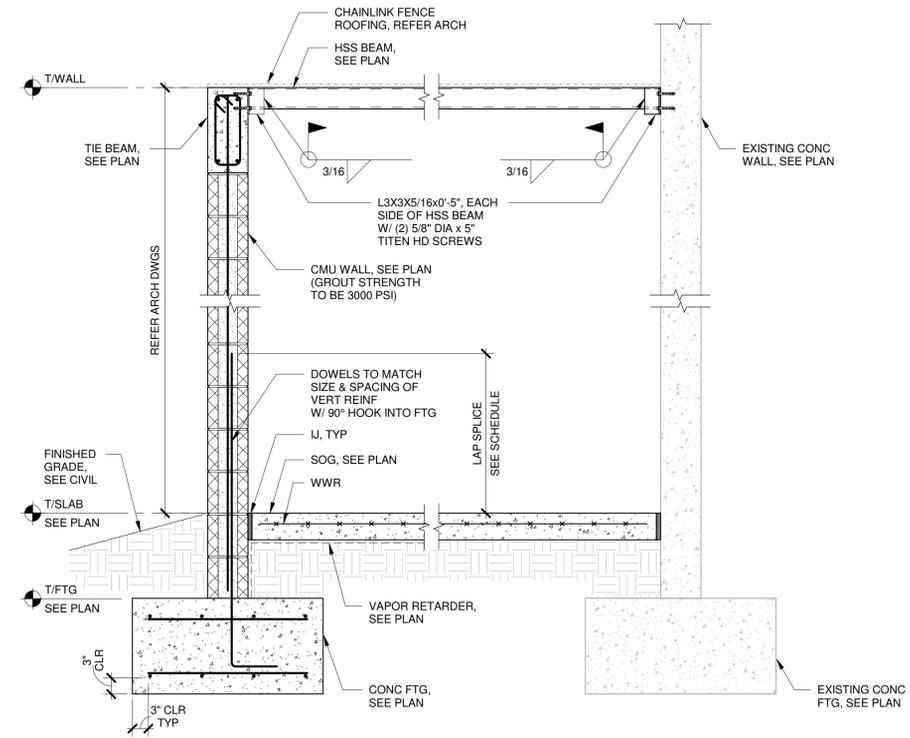
20 CONCRETE SLAB TO EXISTING CMU WALL DETAIL
3/4" = 1'-0"



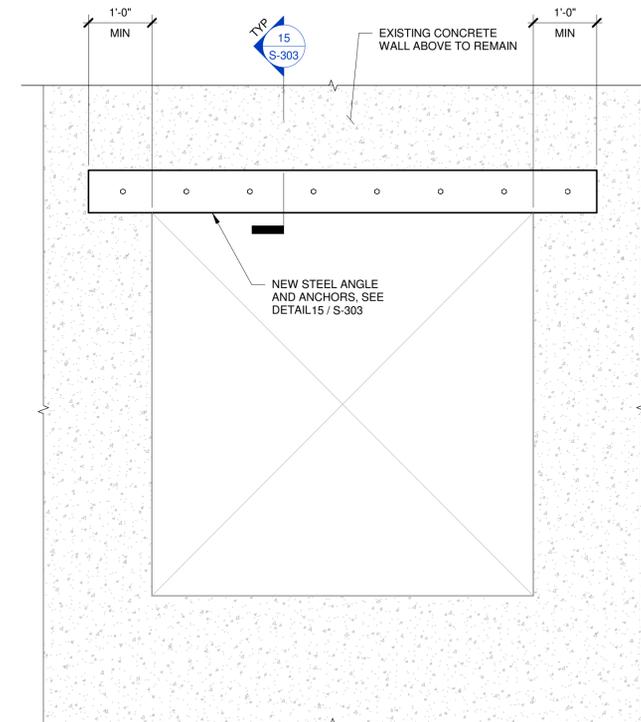
9 SECTION AT EXERCISE YARD-2
3/4" = 1'-0"



19 SECTION AT SHERIFF'S STATION
3/4" = 1'-0"



7 SECTION AT EXERCISE YARD-1
3/4" = 1'-0"



17 NEW OPENING IN EXISTING CONCRETE WALL
3/4" = 1'-0"



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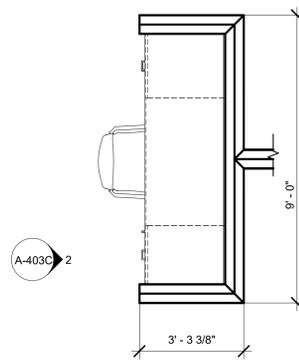
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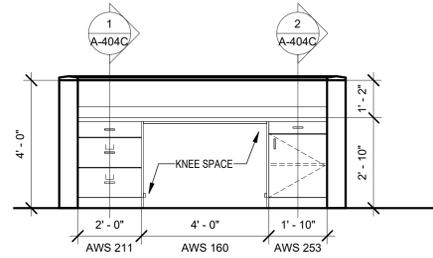
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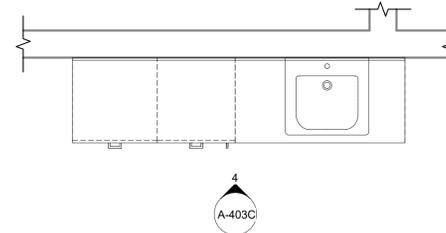
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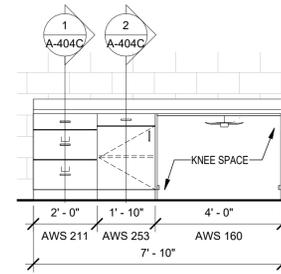
1 OPEN DEPUTY DESK PLAN
3/8" = 1'-0"



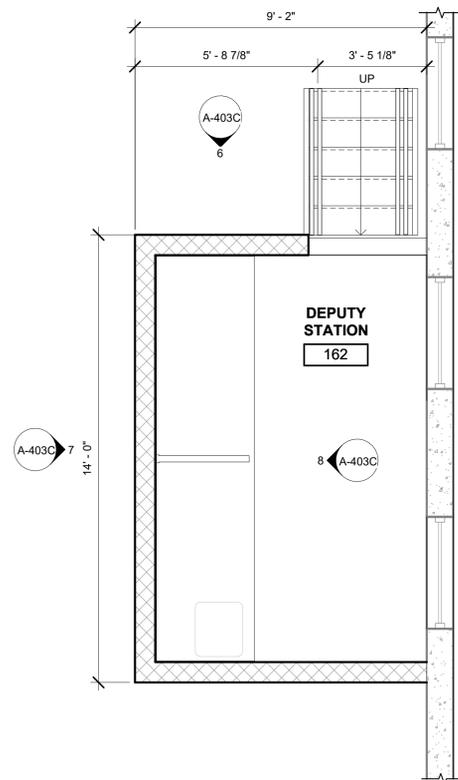
2 OPEN DEPUTY DESK ELEVATION
3/8" = 1'-0"



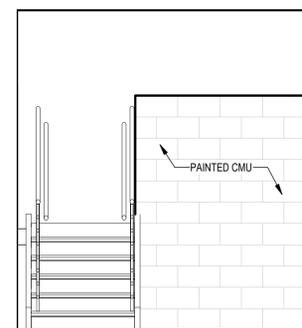
3 ENLARGED PROCEDURE 215 PLAN
1/2" = 1'-0"



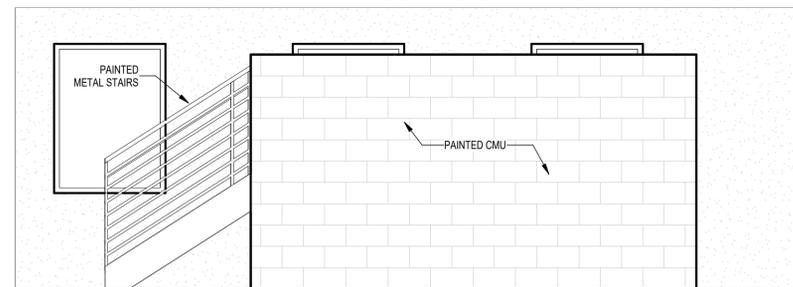
4 PROCEDURE 215 CASEWORK ELEVATION
3/8" = 1'-0"



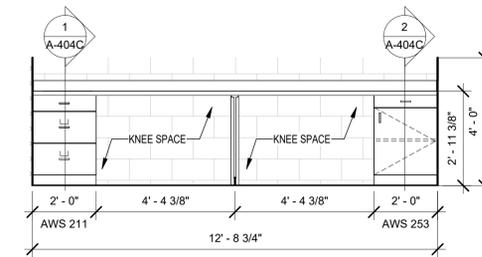
5 ENLARGED PLAN DEPUTY STATION
3/8" = 1'-0"



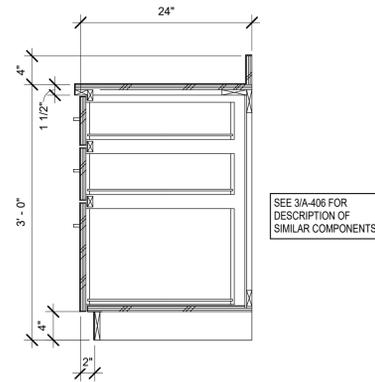
6 DEPUTY STATION 162 ELEV 1
3/8" = 1'-0"



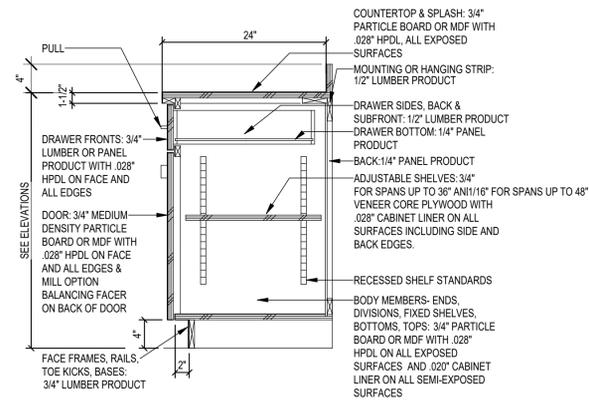
7 DEPUTY STATION 162 ELEV 2
3/8" = 1'-0"



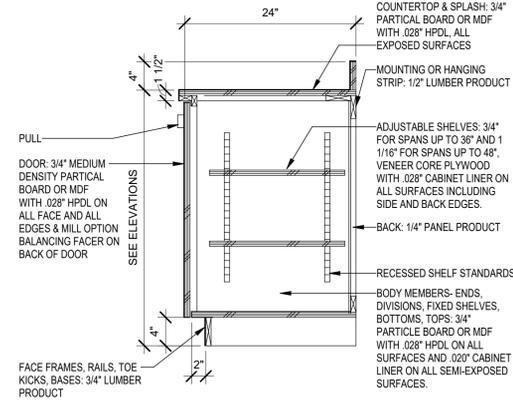
8 DEPUTY STATION 162 ELEV 3
3/8" = 1'-0"



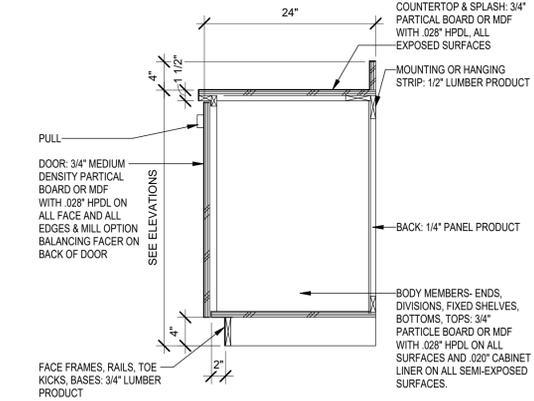
1 BASE CABINET - 2 SMALL/1 LARGE DRAWER
1" = 1'-0"



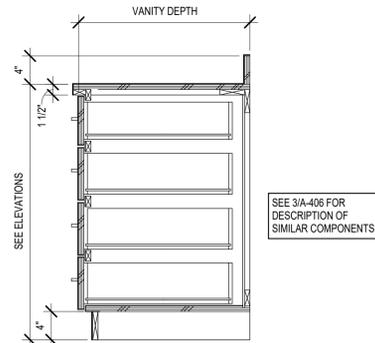
2 BASE CABINET - LAMINATE DRAWER
1" = 1'-0"



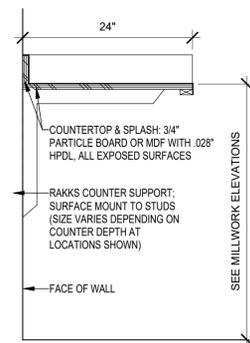
3 BASE CABINET - ONE DOOR (LAMINATE)
1" = 1'-0"



4 BASE CABINET - ONE DOOR (NO SHELVES)
1" = 1'-0"



5 BASE CABINET - VANITY DRAWER
1" = 1'-0"



6 COUNTERTOP (LAMINATE)
1" = 1'-0"

HCSO MENTAL HEALTH POD

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MILLWORK DETAILS - JIC

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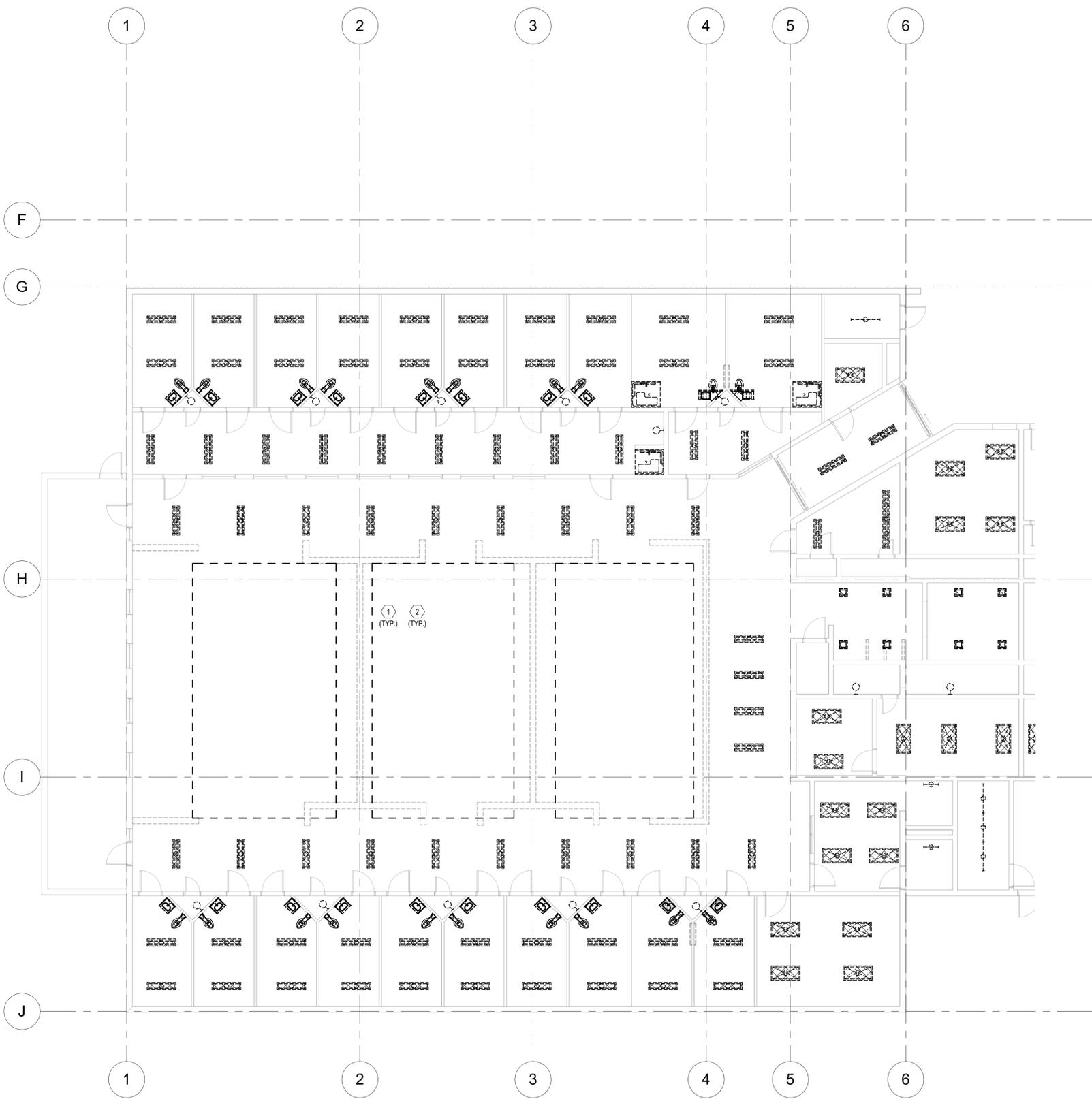
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GENERAL NOTES

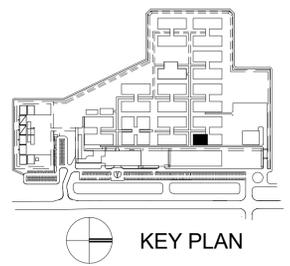
- IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO ENSURE EXISTING CONDITIONS AND LAYOUTS ARE ACCURATE. EXISTING CONDITIONS ARE BASED ON FIELD OBSERVATIONS. THE CONTRACTOR SHALL CONTACT ENGINEER OF RECORD WITH ANY DISCREPANCIES PRIOR TO DISTURBING EXISTING INSTALLATION.
- CONTRACTOR SHALL RETAIN BREAKERS MADE SPARE BY DEMOLITION FOR CONNECTION OF NEW WORK UNLESS OTHERWISE NOTED.
- ELECTRICAL EQUIPMENT AND FIXTURES INDICATED TO BE REMOVED SHALL BE TURNED OVER TO OWNER FOR FIRST RIGHT OF REFUSAL.
- REMOVE ALL ELECTRICAL EQUIPMENT, DEVICES, AND CIRCUITING TO NEAREST POINT OF CONNECTION IN DEMOLITION AREAS UNLESS NOTED OTHERWISE. MAINTAIN EXISTING BREAKERS AND LABEL AS SPARE IN PANELBOARD INDEX.
- PROVIDE JUNCTION BOXES, CONDUIT, WIRED CABLE ETC AS REQUIRED TO MAINTAIN CONTINUITY TO EXISTING TO REMAIN POWER DEVICES, EQUIPMENT, ETC.
- CONTRACTOR SHALL TEST ALL CIRCUITS, GROUNDS, ETC. FOR CONTINUITY FOR ALL EQUIPMENT, DEVICES FIXTURES, ETC. SHOWN. PROVIDE CIRCUIT EXTENSIONS, CONDUIT, WIRE, ETC. AS REQUIRED FOR COMPLETE SYSTEM CONTINUITY.
- ALL ABANDONED OR UNUSED, WIRE, CABLING, CONDUIT, ETC SHALL BE REMOVED TO ORIGIN.

KEYNOTES

- ALL LIGHTING TO BE DEMOLISHED IN THIS AREA.
- FOR DEMOLISHED LIGHTING FIXTURES, DEMOLISH LIGHTING FIXTURES BACK TO SOURCE. PROPERLY DISPOSE OF ALL LAMPS IN A SAFE AND LEGAL MANNER FROM LIGHT FIXTURES. REMOVE ASSOCIATED LOCAL LIGHTING CONTROLS AS REQUIRED AND ASSOCIATED CONDUIT AND WIRING BACK TO THE SOURCE. BREAKERS SHALL BE KEPT ON THE PANEL TO BE EITHER REUSED OR FOR SPARES. GENERAL CONTRACTOR SHALL PROVIDE A TYPED AND UPDATED PANEL SCHEDULE AND PERMANENTLY INSTALL ON PANEL.



1 Demolition Lighting Plan - JIC
1/8" = 1'-0"



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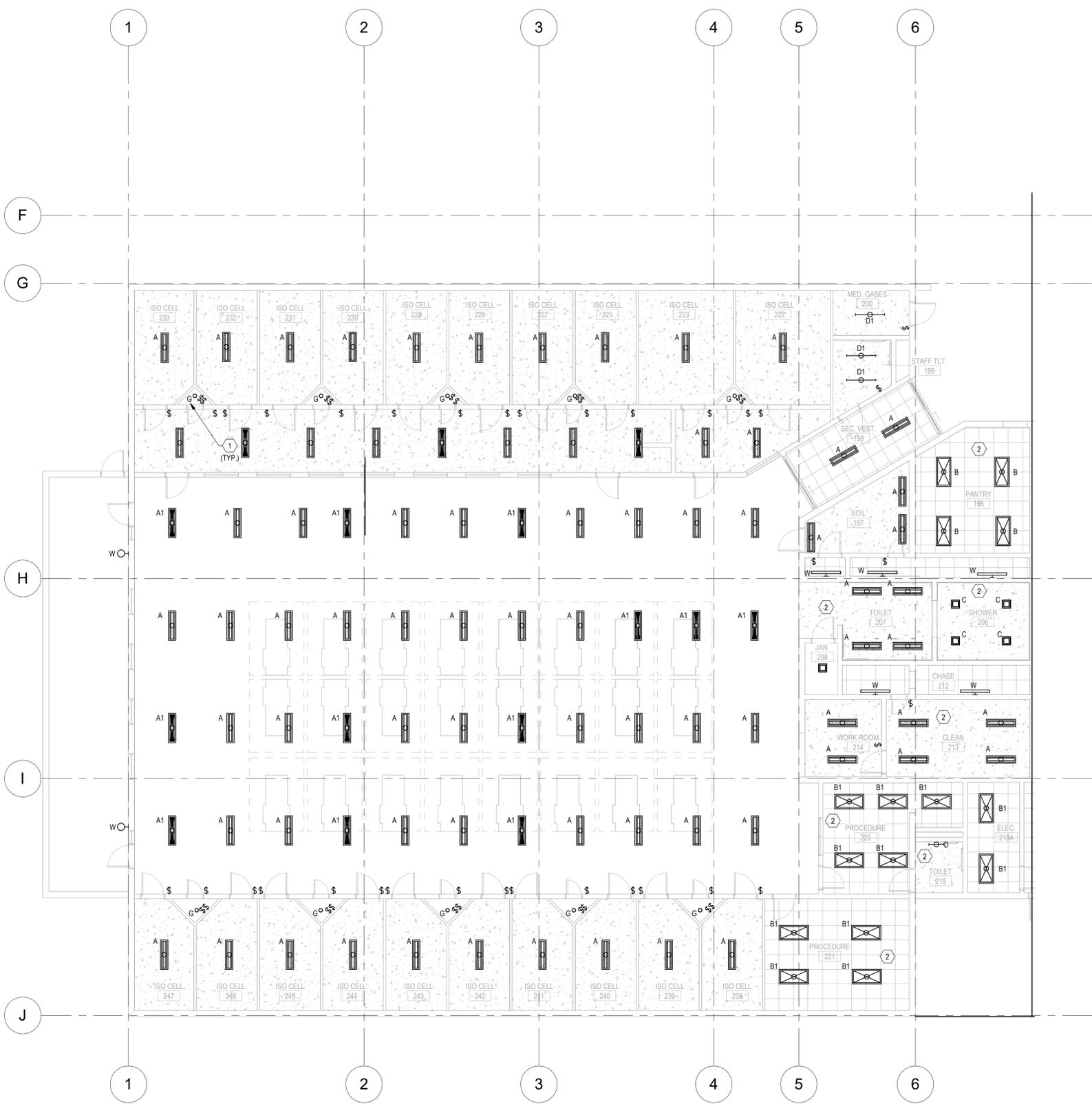
ED101C

LIGHTING CONTROL NOTES

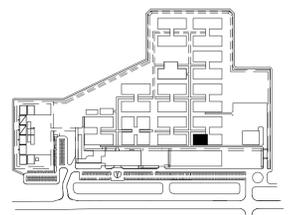
- A. CONTRACTOR SHALL BE RESPONSIBLE FOR IDENTIFICATION OF ALL RATED WALLS, CEILINGS, SLABS, AND THEIR SPECIFIED RATING ON THE ARCHITECTURAL DRAWINGS. ALL DEVICES AND MATERIALS SHALL MEET THE UL RATING OF THE RATED WALLS, CEILINGS AND SLABS ASSEMBLY. CONTRACTOR SHALL PROVIDE AN ASSEMBLY, INSTALLED IN ACCORDANCE WITH UL WHERE NECESSARY.
- B. CONTRACTOR SHALL COORDINATE ANY WALL MOUNTED LIGHT FIXTURE WITH ARCHITECT AND OWNER PRIOR TO INSTALLATION.
- C. ALL OCCUPANCY SENSOR CONTROLLED LOADS SHALL TURN OFF WITHIN 20 MINUTES OF THE OCCUPANT LEAVING THE ROOM.
- D. WHERE MULTIPLE SWITCHES ARE SHOWN AT THE SAME LOCATION, THEY SHALL BE GANGED TOGETHER WITH A COMMON GANG PLATE.
- E. ALL EXIT LIGHTS AND EMERGENCY BATTERY PACKS SHALL BE CONNECTED TO UNSWITCHED LEG OF THE LOCAL LIGHTING BRANCH CIRCUIT.
- F. ALL LIGHTING CONTROLS SHALL BE IN ACCORDANCE WITH 2020 FLORIDA BUILDING CODE, ENERGY CONSERVATION.
- G. PROVIDE DUAL TECH OCCUPANCY/VACANCY SENSORS IN ALL OFFICES, CORRIDORS, OPEN OFFICES, LOUNGES/BREAKROOMS, RESTROOMS, STORAGE ROOMS, AND ALL OTHER SPACES 300 SQUARE FEET OR LESS ENCLOSED BY FLOOR TO CEILING HEIGHT PARTITIONS. THIS EXCLUDES MECHANICAL ROOMS, ELECTRICAL ROOMS, TELECOMMUNICATION SPACES, AND OTHER AREA WHERE THE AUTOMATIC SHUT OFF OF LIGHTS WILL CAUSE A DANGER TO LIFE SAFETY.
- H. WHERE VACANCY SENSORS ARE REQUIRED, LIGHTS SHALL BE MANUAL ON, AUTOMATIC OFF. LIGHTS SHALL TURN OFF AUTOMATICALLY WITHIN 20 MINUTES OF THE SPACE BECOMING VACANT.
- I. WHERE OCCUPANCY SENSORS ARE REQUIRED, LIGHTS SHALL TURN ON TO FULL AUTOMATICALLY, TURN OFF AUTOMATICALLY WITHIN 20 MINUTES OF THE SPACE BECOMING UNOCCUPIED, AND SHALL HAVE A SWITCH FOR MANUAL OVERRIDE.
- J. CONTRACTOR SHALL PROVIDE QUANTITY OF SENSORS REQUIRED WITH PROPER COVERAGE PATTERN TO ACHIEVE REQUIRED LIGHTING CONTROL WITHIN THE SPACE.
- K. CONTRACTOR SHALL PROVIDE SHOP DRAWINGS FROM THE CONTROLS MANUFACTURER'S REPRESENTATIVE SHOWING LAYOUT, QUANTITY, COVERAGE PATTERNS, AND WIRING DIAGRAM OF COMPLETE SYSTEM.
- L. FOR CLARITY, ONLY VACANCY (VS) OR OCCUPANCY (OC) ARE SHOWN IN SPACES REQUIRING THAT MODE OF CONTROL.
- M. PROVIDE LOW VOLTAGE OVERRIDE DIMMING SWITCHES IN ALL SPACES REQUIRING VACANCY/OCCUPANCY SENSORS WITH CONTROL FUNCTION AS OUTLINED.
- N. PROVIDE ROOM CONTROLLERS AS REQUIRED TO INTERFACE ALL LIGHTS, SWITCHES, SENSORS, ETC. IN ALL SPACES SHOWN TO RECEIVE AUTOMATIC LIGHTING CONTROLS.
- O. EXTERIOR LIGHTING SHALL BE CONTROLLED BY PHOTOCELL ON/TIME CLOCK OFF. PROVIDE TIME CLOCK FOR CONTROLS. COORDINATE TIME OF DAY SCHEDULING WITH STATION REPRESENTATIVE.
- P. LIGHTING CONTROL SYSTEM SHALL BE A STAND ALONE NON-NETWORKED SYSTEM AS MANUFACTURED BY ACUITY. ALTERNATE APPROVED MANUFACTURERS ARE GREENGATE, WATTSTOPPER, AND HUBBELL.
- Q. ALL AREAS WHERE INMATES ARE NORMALLY OCCUPIED, THESE AREAS ARE NOT REQUIRED TO HAVE ADDITIONAL AUTOMATIC LIGHTING CONTROL DUE TO ENDANGERMENT OF OCCUPANTS FOR THESE AREAS SHALL BE MANUAL ON AND MANUAL OFF AND LOCATED AT A SUPERVISED CENTRAL LOCATION IDENTIFIED BY THE OWNER. PROVIDE LOCK COVER AND KEYS AS REQUIRED BY OWNER.
- R. THE DESIGN INTENT IS TO REUSE EXISTING LIGHTING CIRCUITS MADE SPARE DURING DEMOLITION. CONTRACTOR SHALL UTILIZE THE CLOSEST SPARE BREAKER PREVIOUSLY SERVICING DEMOLISH LIGHTING FIXTURES.

KEYNOTES

- 1. MOUNT FIXTURE ON CEILING, COORDINATE MOUNTING WITH PLUMBING PIPING.
- 2. SHOWER, CLEAN ROOM, TOILET AND PANTRY TO BE CONTROLLED BY SWITCH FROM GUARD STATION.



1 Lighting Plan - JIC
1/8" = 1'-0"



KEY PLAN

#	ISSUED FOR	DATE
	REVIEW	08.14.24
	PERMIT/BID	08.30.24

DRAWN BY: JTD
REVIEW BY: NPS

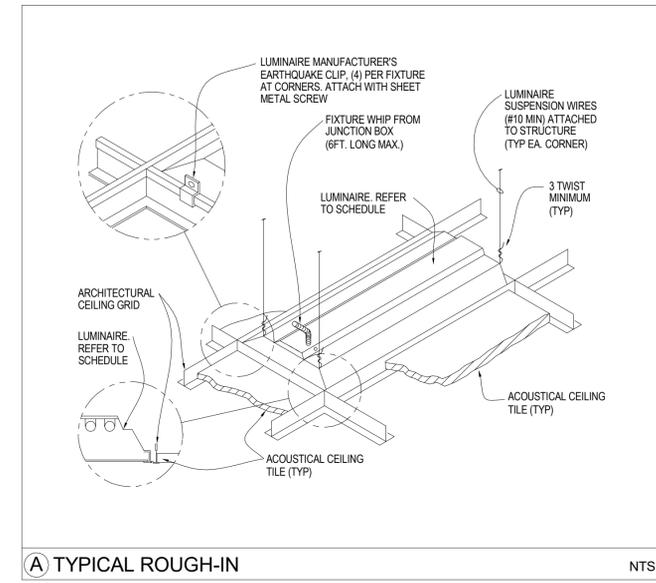
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E101C



LIGHTING FIXTURE SCHEDULE									
TYPE	MANUFACTURER	CATALOG NUMBER	DESCRIPTION	TEMP	VOLTS	MOUNTING	REMARKS	BALLAST/ TRANSFORMER	INPUT WATTS
				A					
A1	LUMINAIRE LED	VPF8 4FT MIN10 100W 40K MVOLT OP WHT	4' LIGATURE AND VANDAL RESISTANT, OPAL LENS, DIMMABLE	80CRI/4000K	UNV	SUSPEND 17'-0" AFF		0-10V/10%	100
B	LITHONIA	2BLT4 40L ADSM GZ10 LP840	2X4 TROFFER, SMOOTH REFLECTOR AND DIFFUSER, DIMMABLE	80CRI/4000K	UNV	RECESSED		0-10V/10%	30
B1	LITHONIA	2BLT4 30L ADSM GZ10 LP840 DGA	2X4 TROFFER, SMOOTH REFLECTOR AND DIFFUSER, DIMMABLE, DRYWALL ADPATERS	80CRI/4000K	UNV	RECESSED		0-10V/10%	22
B2	LITHONIA	2BLT2 20L ADSM GZ10 LP840	2X2 TROFFER, SMOOTH REFLECTOR AND DIFFUSER, DIMMABLE	80CRI/4000K	UNV	RECESSED		0-10V/10%	16
C	LUMINAIRE LED	RMQ Q11 H16CRSP D14CRSP MIN10 25W 40K MVOLT ALS 6ES WHT WL	13.5" X 13.5" RECESSED CONFINEMENT FIXTURE, LIGATURE RESISTANT, PRISMATIC ACRULIC LENS, WHITE FINISH, WET LOCATION	80CRI/4000K	UNV	RECESSED		0-10V/10%	25
W	LITHONIA	DSXF3 6 P3 50K 70CRI WFL MVOLT YKC62 DBLXD	FLOOD LIGHT, ADJUSTABLE HEAD, 24,000 LUMENS, WET LOCATION	70CRI/5000K	UNV	WALL		NO DIM	165
X	BEGHELLI	CRV-SA-LR-FACE-C-AL	EXIT SIGN, EDGE LIT, LED, RED LETTERS, SELF POWERED	LED	UNV	SURFACE		NO DIM	4

LIGHTING SCHEDULE NOTES:
 1. ALL LAMPS SHALL BE 80+ CRI AND 4000K UNLESS NOTED OTHERWISE.
 2. OTHER FIXTURES MAY BE SUBMITTED FOR APPROVAL UP TO 10 WORKING DAYS PRIOR TO BID DATE, TO ALLOW FOR PROPER EVALUATION. SUBMISSIONS WITHIN 10 WORKING DAYS PRIOR TO BID DATE WILL NOT BE EVALUATED. EQUIPMENT IS APPROVED THROUGH ADDENDUM ONLY.

HCSO MENTAL HEALTH CLINIC

2310 N. FALKENBURG ROAD
TAMPA, FLORIDA 33619

ELECTRICAL DETAILS - JIC

#	ISSUED FOR	DATE
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	PERMIT/BID	08.30.24

DRAWN BY: SLJB
REVIEW BY: DK

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P001C

GENERAL NOTES

- THESE DRAWINGS ARE DIAGRAMMATIC IN NATURE AND INDICATIVE OF WORK TO BE PROVIDED (FURNISHED AND INSTALLED) UNDER THIS CONTRACT. DRAWINGS SHOULD NOT BE SEALED.
- THE CONTRACTOR IS RESPONSIBLE TO EXAMINE THE EXISTING CONDITIONS UNDER WHICH THEY SHALL OPERATE AND VERIFY THE EXTENT OF WORK REQUIRED TO COMPLETE THE WORK UNDER THIS CONTRACT.
- PRIOR TO ORDERING AND FABRICATING ANY EQUIPMENT, IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO EXAMINE THE PHYSICAL CONDITIONS AT THE PROJECT SITE AND VERIFY SPACE AND SUFFICIENT CLEARANCES ARE AVAILABLE FOR INSTALLING EQUIPMENT, DUCTWORK, PIPING, AND APPURTENANCES, AND TO DETERMINE ANY NECESSARY MODIFICATIONS.
- PERFORM ALL WORK IN COMPLIANCE WITH ALL APPLICABLE FEDERAL, STATE, AND LOCAL CODES, REGULATIONS, AND STANDARDS ADOPTED BY THE AUTHORITY HAVING JURISDICTION. IF CONFLICTS EXIST BETWEEN THESE ENGINEERING DOCUMENTS AND CODES, THE MOST STRINGENT REQUIREMENTS SHALL GOVERN.
- ALL CONSTRUCTION WORK SHALL ALSO MEET THE FOLLOWING CODE REQUIREMENTS:
 - FLORIDA BUILDING CODE (FBC) 2023
 - FLORIDA EXISTING BUILDING CODE 2023
 - FBC MECHANICAL 2023
 - FBC PLUMBING 2023
 - FBC ENERGY CONSERVATION 2023
 - FLORIDA FIRE PREVENTION CODE 2023
 - NFPA 1-2021, THE UNIFORM FIRE CODE
 - NFPA 101-2021, THE LIFE SAFETY CODE
 - NFPA 518-2019, STANDARD FOR FIRE PREVENTION DURING WELDING, CUTTING AND OTHER HOT WORK
 - NFPA 13-2019, STANDARD FOR THE INSTALLATION OF SPRINKLER SYSTEMS
 - NFPA 70-2020, NATIONAL ELECTRICAL CODE
 - NFPA 99A-2021, STANDARD FOR THE INSTALLATION OF AIR CONDITIONING AND VENTING SYSTEMS
 - NFPA 241-2019, STANDARD FOR SAFEGUARDING CONSTRUCTION, ALTERATION AND DEMOLITION OPERATIONS.
- CONTRACTOR SHALL COORDINATE AND SEQUENCE DEMOLITION, CLEANING, AND CONSTRUCTION WORK.
- CONTRACTOR SHALL NOTE ANY SPECIAL REQUIREMENTS FOR INSTALLATION OF WORK UNDER THIS CONTRACT. DISMANTLE AND REASSEMBLE EQUIPMENT AS NECESSARY FOR ENTRY INTO THE BUILDING AND THE LOCATION OF INSTALLATION.
- THE CONTRACTOR SHALL MAINTAIN A COMPLETE PROJECT SCHEDULE AND SHALL UPDATE THIS SCHEDULE WEEKLY. ANY CHANGES SHALL BE NOTED AND AN UPDATED SCHEDULE SHALL BE PROVIDED TO THE OWNER.
- ALL PERMITS, FEES, TAXES, ETC SHALL BE PAID BY CONTRACTOR AS PART OF THE TOTAL PROJECT COST.
- MAINTAIN THE INTEGRITY OF ALL FIRE AND SMOKE RATED WALLS, PARTITIONS, CEILINGS, AND FLOORS. SEAL ALL PENETRATIONS THROUGH RATED ASSEMBLIES WITH FIRESTOP MATERIAL IN ACCORDANCE WITH U.L. REQUIREMENTS TO MAINTAIN THE ASSEMBLY RATING.
- CONTRACTOR SHALL FURNISH U.L. APPROVED DRAWINGS FOR EACH TYPE OF FIRE AND SMOKE RATED ASSEMBLY PENETRATION BY DUCTS, PIPES, OR CONDUITS, AND SHALL DISPLAY THESE DRAWINGS ON THE JOB SITE AT ALL TIMES DURING CONSTRUCTION.
- CONTRACTOR SHALL REFER TO ALL DETAILS FOR PROPER GUIDANCE.
- THE CONTRACTOR SHALL SUBMIT SHOP DRAWINGS AND EQUIPMENT SUBMITTALS FOR ALL PRODUCTS USED ON PROJECT.
- THE ENGINEER'S APPROVAL OF SUBMITTAL DATA SHALL NOT RELIEVE THE CONTRACTOR OF RESPONSIBILITY FOR DEVIATIONS FROM THE REQUIREMENTS OF CONTRACT DOCUMENTS UNLESS THE CONTRACTOR HAS RECEIVED WRITTEN APPROVAL FROM THE ENGINEER TO THE SPECIFIC DEVIATION. THE ENGINEER'S APPROVAL OF SUBMITTAL DATA SHALL NOT RELIEVE THE CONTRACTOR OF RESPONSIBILITY FOR ERRORS OR OMISSIONS IN HIS OR HER SUBMITTAL DATA.
- THE CONTRACTOR IS REQUIRED TO SUBMIT THREE COMPLETE O&M MANUALS IN THREE RING BINDERS AT SUBSTANTIAL COMPLETION. MANUALS SHALL INCLUDE INSTALLATION AND MAINTENANCE DATA ON ALL NEW EQUIPMENT AND MATERIALS, CERTIFIED TECHNICAL PRODUCT DATA, EQUIPMENT SHOP DRAWINGS, SPARE PARTS DATA, ETC. PROVIDE AN INDEX AND ASSOCIATED DIVIDERS.
- CLOSE OUT DOCUMENTS: THE CONTRACTOR IS TO MAINTAIN ONE SET OF CONSTRUCTION DRAWINGS ON SITE AND KEEP CURRENT WITH MARK UP AS-BUILT CONDITIONS DURING CONSTRUCTION OF THE PROJECT. THIS SET IS TO INCLUDE ALL CONTRACT CHANGES, MODIFICATIONS AND CLARIFICATIONS. THIS SET ALONG WITH ALL SHOP DRAWINGS SHALL BE TURNED OVER TO THE ARCHITECT/ENGINEER AFTER CONSTRUCTION COMPLETION.
- IT IS THE RESPONSIBILITY OF ALL BIDDERS TO THOROUGHLY REVIEW AND UNDERSTAND ALL CONSTRUCTION DOCUMENTS. THIS INCLUDES BUT IS NOT LIMITED TO ALL DRAWINGS, SPECIFICATION SECTIONS, ETC. THE DRAWINGS ARE SCHEMATIC IN NATURE. THEREFORE BEFORE STARTING ANY WORK, THE CONTRACTOR SHALL REVIEW ALL OTHER CONSTRUCTION DOCUMENTS, VERIFY FIELD CONDITIONS AND SHALL MAKE ANY REQUIRED MINOR ADJUSTMENTS WITHOUT EXTRA COST TO THE OWNER. ANY MAJOR DISCREPANCIES FOUND SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT/ENGINEER. THE BASE BID SHALL REFLECT THE TOTAL COST OF NEW EQUIPMENT INSTALLATION. THIS INCLUDES LABOR, EQUIPMENT AND MATERIALS. NO CHANGE ORDERS SHALL BE ISSUED WITHOUT WRITTEN CONSENT AND APPROVAL FROM ENGINEER AND ARCHITECT.

PLUMBING SHEET LIST - JIC

Sheet Number	Sheet Name
P001C	PLUMBING NOTES, LEGENDS & SCHEDULES - JIC
PD101C	PLUMBING DEMOLITION PLAN - JIC
P101C	PLUMBING RENOVATION PLAN - JIC
P401C	PLUMBING ENLARGED PLANS - JIC
P501C	PLUMBING DETAILS - JIC
P901C	SANITARY & VENT ISOMETRIC - JIC

PLUMBING NOTES

- VERIFY MOUNTING HEIGHTS OF ALL BARRIER FREE FIXTURES WITH ARCHITECTURAL PLANS.
- PROVIDE COPPER INDIRECT WASTE PIPING REQUIRED FROM EQUIPMENT TO FLOOR DRAINS, OPEN RECEPTACLES, OR FLOOR SINKS. PIPING SHALL COMPLY WITH STATE AND LOCAL CODES. COORDINATE WITH ALL EQUIPMENT SUPPLIERS AND SIZES AS REQUIRED BY PIECE OF EQUIPMENT SERVED. HOLD TOP OF PIPE TO WALL WHERE APPLICABLE. PROPERLY SECURE AS REQUIRED. COORDINATE WITH CASEWORK SUPPLIER FOR MAXIMUM CLEARANCE UNDER CABINETS.
- PROVIDE CHROME PLATED ESCUTCHEONS AT ALL WALL PENETRATIONS.
- INSTALL STORM AND CONDENSATE PIPING WITH A MINIMUM SLOPE OF 1/8" PER FOOT UNLESS OTHERWISE REQUIRED. CONTRACTOR IS RESPONSIBLE FOR PROPER DRAINAGE OF ALL SYSTEMS.
- INSTALL SANITARY PIPING LESS THAN 3" WITH A MINIMUM SLOPE OF 1/4" PER FOOT. 3" TO 6" WITH A MINIMUM SLOPE OF 1/8" PER FOOT. GREATER THAN 6" WITH A MINIMUM SLOPE OF 1/16" PER FOOT. CONTRACTOR IS RESPONSIBLE FOR PROPER DRAINAGE OF ALL SYSTEMS.
- ALL FLOOR DRAINS ARE TO BE PROVIDED WITH MINIMUM 3" DRAIN LINES, DEEP SEAL TRAPS, AND AUTOMATIC TRAP PRIMERS. TRAP PRIMERS SHALL BE LOCATED IN A SERVICEABLE LOCATION AND INSTALLED PER MANUFACTURER'S INSTALLATION INSTRUCTIONS. HOLD TOP OF FLOOR DRAINS FLUSH WITH FINISHED FLOOR; SEE ARCHITECTURAL SHEETS FOR FLOOR SLOPES AND PROPER FINISHED FLOOR ELEVATION.
- ALL VENT PIPE TO BE COMPATIBLE WITH STRUCTURE, MECHANICAL EQUIPMENT, DUCTWORK, ELECTRICAL EQUIPMENT, AND LIGHTING. ALL VTR'S SHALL BE EXTENDED TO A MINIMUM OF 2' ABOVE PARAPET HEIGHT AND MAINTAINED 10'-0" MINIMUM FROM ALL OUTSIDE AIR INTAKES.
- MATERIALS, EQUIPMENT, ASSEMBLIES AND SYSTEMS SHALL MEET ALL PERTINENT REQUIREMENTS OF NATIONALLY RECOGNIZED TESTING ORGANIZATIONS SUCH AS UL, ASTM, ASSE, AVWVE, AGA AND NFPA AS WELL AS THE MOST CURRENT ADOPTED VERSION OF THE STATE AND LOCAL CODES.
- ALL INSTALLED SYSTEMS, DEVICES AND RELATED ITEMS SHALL BE TESTED IN PLACE. REPLACE ANY AND ALL CONTRACTOR SUPPLIED DEFECTIVE DEVICES, ITEMS, OR SYSTEMS AT CONTRACTOR'S EXPENSE, BEFORE COMPLETION OF PROJECT.
- WHERE JOB CONDITIONS REQUIRE CHANGES FROM THE CONTRACT DOCUMENTS THAT DO NOT CHANGE THE SCOPE OR NATURE OF WORK REQUIRED, THE CONTRACTOR SHALL MAKE SUCH CHANGES WITHOUT ADDITIONAL COST TO THE OWNER. NO OTHER CHANGES MAY BE MADE WITHOUT WRITTEN PERMISSION FROM THE ENGINEER.
- ALL EQUIPMENT, FIXTURES AND MATERIALS SHALL BE NEW AND UNUSED, AND INSTALLED IN STRICT CONFORMANCE TO MANUFACTURER'S RECOMMENDATIONS (UNLESS OTHERWISE NOTED). PROVIDE COMPLETE WITH ALL TRIM, STOPS, HANGERS, CARRIERS, SUPPORTS, ETC., INCLUDING PROVISIONS FOR BARRIER FREE USE, IF REQUIRED. WHERE FIXTURES ARE ACCESSIBLE THEY MUST COMPLY WITH ALL FEDERAL ADA REGULATIONS.
- CONTRACTOR SHALL GUARANTEE ALL WORK FOR WHICH MATERIALS ARE FURNISHED, FABRICATED, FIELD ERRECTED, ALL FACTORY ASSEMBLED EQUIPMENT FOR WHICH NO SPECIFIC MANUFACTURER'S GUARANTEE IS FURNISHED, AND ALL WORK IN CONNECTION WITH INSTALLATION OF MANUFACTURER'S GUARANTEED EQUIPMENT. THE CONTRACTOR'S GUARANTEE SHALL LAST ONE YEAR FROM THE FINAL OWNER ACCEPTANCE OF THE WORK AND SHALL APPLY TO ALL DEFECTS IN MATERIALS AND WORKMANSHIP OF ANY KIND.
- ALL FAUCET CONTROLS SHALL BE OPERABLE WITH ONE HAND AND NOT REQUIRE TIGHTGRASPING.
- ALL BARRIER FREE WATER CLOSET CONTROLS SHALL BE LOCATED ON UNIT TOWARDS WIDE SIDE OF STALL. VERIFY IF RIGHT OR LEFT SIDE LOCATION.

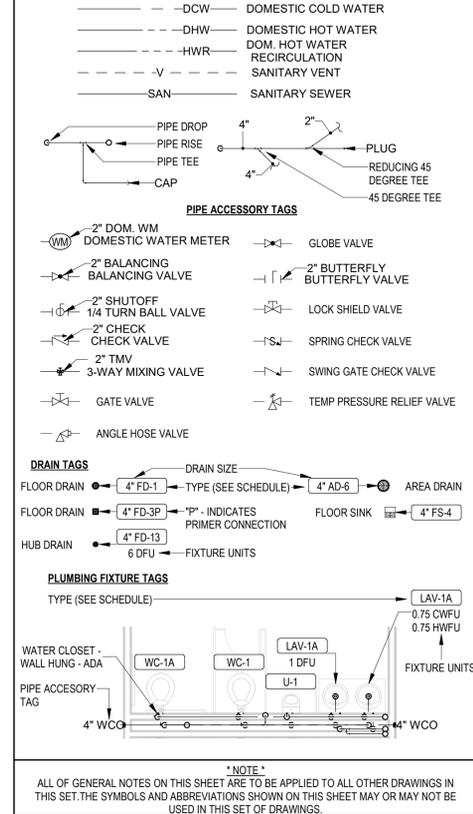
PLUMBING ACCESSORIES

- FD: FLOOR DRAIN - ZURN ZN415B-P-V-P, 6" CAST-IRON FLOOR DRAIN BODY AND COLLAR, 3" THREADED DRAIN OUTLET WITH 3" DEEP SEAL P-TRAP, 1/2" TRAP SEAL PRIMER CONNECTION WITH PRESSURE ACTIVATED TRAP PRIMER VALVE. PROVIDE WITH VANDAL-PROOF SECURED TOP.
- TRAP PRIMER - ZURN Z1022 SANI-GUARD; CONNECT TO CW WITH VALVE, EXTEND TRAP PRIMER TO FLOOR DRAIN AS REQUIRED. 1/2" CW.
- DEEP SEAL TRAP - ZURN Z1000, DURA-COATED CAST IRON BODY WITH BOTTOM BRONZE CLEANOUT PLUG, 3" PIPE SIZE.
- REFER TO PLUMBING DRAWINGS FOR FLOOR DRAIN LOCATIONS WITH EITHER A TRAP PRIMER CONNECTION OR DEEP SEAL P-TRAP.
- FCO: FLOOR CLEANOUT - ZURN ZN1400-K; CAST-IRON ADJUSTABLE HOUSING FLOOR CLEANOUT; RAISED, TAPERED THREAD BRONZE CLOSURE PLUG; NEOPRENE RUBBER GASKET; NICKEL-BRONZE ROUND SCORED TOP COVER; INSIDE CALK OUTLET, SAME SIZE AS CONNECTED DRAINAGE PIPING; ASME A112.36.2M.
- WCO: WALL CLEANOUT - ZURN Z1446; CAST-IRON CLEANOUT TEE; RECESSED, TAPERED THREAD BRONZE PLUG; STAINLESS STEEL OR CHROME-PLATED BRASS WALL ACCESS COVER PLATE; SAME SIZE AS CONNECTED DRAINAGE PIPING; ASME A112.36.2M.
- GCO: GRADE CLEANOUT - ZURN ZN1400-HD; CAST-IRON ADJUSTABLE HOUSING CLEANOUT FERRULE; RECESSED, TAPERED THREAD, BRONZE CLOSURE PLUG; NEOPRENE RUBBER GASKET; SAME SIZE AS CONNECTED DRAINAGE PIPING; INSTALL IN 24" X 24" X 12" DEEP CONCRETE PAD FLUSH WITH GRADE; ASME A112.36.2M. INSTALL END-OF-LINE CLEANOUT WITH LONG SWEEP ELBOW; INSTALL 2-WAY CLEANOUT WITH 2-WAY CLEANOUT FITTING.
- PCO: PINNED CLEANOUT - ACORN PC; 2-1/2" NPT BRASS CLEAN-OUT PLUG. PERMANENT 5/32" STAINLESS STEEL PIN.

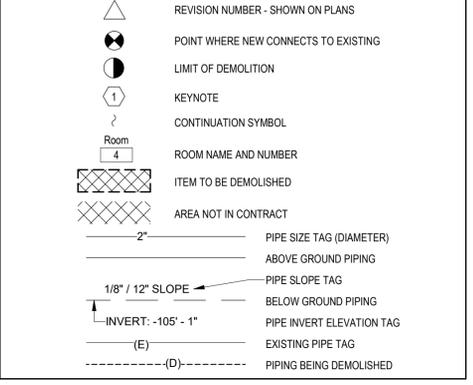
PLUMBING NOTES

- ALL WORK SHALL COMPLY WITH APPLICABLE NATIONAL, STATE, AND LOCAL CODES. THIS SHALL INCLUDE, BUT NOT BE LIMITED TO, THE 2023 FLORIDA PLUMBING CODE, WHERE CONFLICTS OCCUR BETWEEN CODES, OR BETWEEN CONSTRUCTION DOCUMENTS AND CODES, THE MOST RESTRICTIVE REQUIREMENTS SHALL GOVERN.
- REVIEW PLANS OF ALL TRADES PRIOR TO BIDDING AND BEGINNING WORK. INSTALLATIONS ARE TO INCLUDE ALL PLUMBING FOR COMPLETE SYSTEMS SHOWN ON THE PLANS AND AS REQUIRED.
- COORDINATE WITH OTHER TRADES TO PREVENT INTERFERENCE WITH HVAC DUCTS, STRUCTURE, ELECTRICAL, LIGHTING, AND OTHER PIPING IN THE CEILING SPACE. VENT PIPING AND WATER PIPING SHALL BE HELD EITHER ABOVE OR BELOW HVAC DUCTWORK, AS COORDINATED WITH THE HVAC CONTRACTOR.
- ALL CHANGES SHALL BE REVIEWED BY THE ARCHITECT.
- COORDINATE WITH ARCHITECTURAL DRAWINGS BEFORE ROUGH-IN PLUMBING FIXTURES AND EQUIPMENT SUPPLIES.
- THE PLUMBING SUBCONTRACTOR SHALL FURNISH AND INSTALL ALL PLUMBING FIXTURES, UNLESS NOTED OTHERWISE.
- VERIFY MOUNTING HEIGHT AND WATER CONNECTION SIZES OF ALL PLUMBING FIXTURES PRIOR TO ROUGH-IN. FURNISH CUT-OUT TEMPLATES, FOR PLUMBING FIXTURES TO BE INSTALLED IN MILLWORK, TO THE GENERAL CONTRACTOR.
- MAKE PROPER HOT AND COLD WATER, WASTE AND VENT PIPING CONNECTIONS TO ALL FIXTURES AND EQUIPMENT EVEN THOUGH ALL FITTINGS AND CONNECTIONS ARE NOT SHOWN ON DRAWINGS.
- VERIFY LOCATION OF WATER SERVICE AND THE LOCATION INVERTS OF SANITARY PIPING PRIOR TO INSTALLATION.
- CUT AND PATCH CONCRETE AS REQUIRED.
- IT IS NOT THE INTENT OF THESE DRAWINGS TO COVER ALL WORK AND MATERIAL. ANY EQUIPMENT, PLUMBING FIXTURE, TRIM HARDWARE AND/OR DEVICES USUALLY UTILIZED IN THE CLASS OF WORK, THOUGH NOT SPECIFICALLY MENTIONED OR SHOWN ON THESE DRAWINGS, BUT WHICH MAY BE NECESSARY FOR THE SATISFACTORY COMPLETION OF THE WORK (AS DETERMINED BY THE ARCHITECT) SHALL BE FURNISHED AND INSTALLED BY THE CONTRACTOR AS PART OF HIS TOTAL WORK.
- THE EQUIPMENT ROUGH-IN ITEMS AND THEIR DIMENSIONED LOCATIONS FOR ALL CONNECTIONS ARE ACCURATE TO THE BEST OF OUR KNOWLEDGE. IN SOME INSTANCES THE OWNER OR SUPPLIER MAY MAKE SUBSTITUTIONS OR EQUIPMENT ITEMS MAY VARY FROM WHAT IS SHOWN. THEREFORE, THESE ITEMS AND DIMENSIONS SHALL BE VERIFIED WITH THE EQUIPMENT SUPPLIER, OWNER AND/OR EQUIPMENT ROUGH-IN DRAWING. FAILURE OF THE APPROPRIATE CONTRACTOR TO VERIFY ROUGH-INS OR THEIR LOCATIONS SHALL PLACE THE RESPONSIBILITY FOR ANY SUBSEQUENT RELOCATION AND/OR ADDITIONAL ROUGH-INS DIRECTLY UPON THAT CONTRACTOR.
- CONTRACTOR SHALL SUPPLY TO THE ARCHITECT/ENGINEER THE REQUIRED COPIES OF SHOP DRAWINGS FOR APPROVAL SO THE QUALITY OF INTENDED MATERIALS OR EQUIPMENT CAN BE REVIEWED BEFORE INSTALLATION. THERE WILL BE NO INSTALLATION UNTIL SHOP DRAWINGS HAVE BEEN SUBMITTED AND REVIEWED BY THE ARCHITECT/ENGINEER.
- DO NOT SCALE THIS DRAWING. REFER TO ARCHITECTURAL FLOOR PLAN FOR BUILDING DIMENSIONS.
- THESE DRAWINGS ARE DIAGRAMMATIC IN NATURE AND DESIGNED AROUND BASIS OF DESIGN PRODUCTS WHICH HAVE ESTABLISHED THE PERFORMANCE CRITERIA FOR THIS PROJECT. PRODUCTS SUBMITTED BY THE CONTRACTOR MAY BE ARRANGED DIFFERENTLY AND THE PRODUCTION OF CONTRACTOR COORDINATED DRAWINGS IS REQUIRED TO BE SUBMITTED PRIOR TO THE START OF CONSTRUCTION. THESE DIAGRAMMATIC DRAWINGS DO NOT NECESSARILY SHOW ALL ELBOWS, OFFSETS, UNIONS, VALVES, FITTINGS, AND ACCESSORIES REQUIRED TO COMPLETE THE INSTALLATION OF WORK. THE SUBMISSION OF A PROPOSAL SHALL BE CONSTRUED AS EVIDENCE THAT THE CONTRACTOR HAS FAMILIARIZED THEMSELVES WITH THE PLANS AND BUILDING SITE. CLAIMS MADE SUBSEQUENT TO THE PROPOSAL FOR MATERIALS AND LABOR BECAUSE OF DIFFICULTIES ENCOUNTERED WILL NOT BE RECOGNIZED IF THEY COULD HAVE BEEN FORESEEN HAD PROPER EXAMINATION BEEN MADE.
- VERIFY SERVICE POINTS AND METERING LOCATIONS FOR PROJECTS WITH LOCAL UTILITIES AND/OR LANDLORD (DOMESTIC WATER, SANITARY SEWER, GAS, ETC.).
- THE CONTRACTOR SHALL COOPERATE FULLY AMONG ALL TRADES.
- ALL ROOF PENETRATIONS FOR ROOF DRAINS AND PLUMBING SHALL BE MADE IN ACCORDANCE WITH ROOF SYSTEM MANUFACTURER'S GUIDELINES. COORDINATE WITH ARCHITECTURAL DETAILS AND/OR MANUFACTURER FOR ROOF SYSTEM USED.
- ALL PLUMBING VENTS IN EXTERIOR WALLS SHALL BE OFFSET A MINIMUM OF 3'-0" BEFORE ROOF PENETRATION.
- INSTALL 1" INSULATION WITH ALL-SERVICE JACKET ON ALL ROOF LEADERS ABOVE CEILING.
- INSTALL PLENUM RATED INSULATION WRAP ON ALL PLASTIC VENT, SANITARY AND STORM PIPING LOCATED WITHIN A RETURN AIR PLENUM.
- PLUMBING CONTRACTOR SHALL VERIFY WITH THE LOCAL HEALTH DEPARTMENT AND/OR WATER COMPANY AS TO THE METER AND VALVING ARRANGEMENTS OF THE DOMESTIC WATER SERVICE LINE WHICH ENTERS THE BUILDING. SHOULD A BACKFLOW PREVENTER ASSEMBLY AND/OR PRESSURE REDUCING VALVE ASSEMBLY BE REQUIRED, PLUMBING CONTRACTOR SHALL FURNISH AND INSTALL AS REQUIRED PER LOCAL AND STATE REQUIREMENTS. THE BACKFLOW ASSEMBLY SHALL BE A "WATTS" SERIES #909 OR APPROVED EQUAL, MEETING ASSE STANDARDS 1013, 1015, & 1020. IF BACKFLOW PREVENTER IS REQUIRED, PROVIDE PROPERLY SIZED THERMAL EXPANSION TANK IN SUPPLY PIPING OF WATER HEATER. IF WATER PRESSURE IS 65 PSI OR ABOVE, THE PRESSURE REDUCING VALVE ASSEMBLY SHALL BE A "WATTS" SERIES #905 SET AT 50 PSI DELIVERY PRESSURE, UNLESS OTHERWISE NOTED.
- THE POTABLE WATER SUPPLY SHALL BE PROTECTED AGAINST BACKFLOW AND SIPHONAGE, BOTH NATURAL AND INDUCED. ALL EQUIPMENT CONNECTED TO THE POTABLE WATER SYSTEM BEING CAPABLE OF POLLUTING OR CONTAMINATING THE POTABLE WATER DISTRIBUTION SYSTEM OR ANY PART THEREOF BY MEANS OF A REVERSAL OF FLOW, PRESSURE DROP, PRESSURE LOSS, INDUCED VACUUM, OR BY INJECTION BECAUSE OF ANY PRIMARY OR AUXILIARY PUMPING SYSTEM CONNECTED, MUST BE ISOLATED AND CONTAINED BY MEANS OF APPROVED BACKFLOW DEVICES, CHECK VALVES, AIR GAPS, OR VACUUM BREAKERS. PLUMBING CONTRACTOR SHALL FURNISH AND INSTALL THESE DEVICES PER LOCAL CODE REQUIREMENTS.
- THE WATER PIPING SYSTEM SHALL BE FLUSHED AND STERILIZED IN ACCORDANCE WITH LOCAL REGULATIONS.
- HOT AND COLD WATER SUPPLY BRANCHES FOR ALL SYSTEMS HAVING QUICK CLOSING VALVES OF ANY TYPE SHALL HAVE WATER HAMMER ARRESTORS INSTALLED AT THE HIGH POINT ON THE END OF EACH BRANCH AND AS REQUIRED.
- ALL PIPES HANGING FROM SINGLE VERTICAL RODS / HANGERS SHALL NOT MOVE OR SWAY DURING OPERATION. SUITABLE LATERAL SUPPORTS OR BRACING SHALL BE USED TO PREVENT SWAY OR MOVEMENT.
- PROVIDE SHUTOFF BALL VALVES AND DIELECTRIC UNIONS FOR ALL EQUIPMENT HOT AND COLD WATER LINES. PLUMBING CONTRACTOR SHALL MAKE ALL FINAL CONNECTIONS TO EQUIPMENT. COORDINATE WITH EQUIPMENT SUPPLIER FOR EXACT REQUIREMENTS.

PLUMBING AND PIPING SYMBOLS



GENERAL MECHANICAL SYMBOLS



ABBREVIATIONS

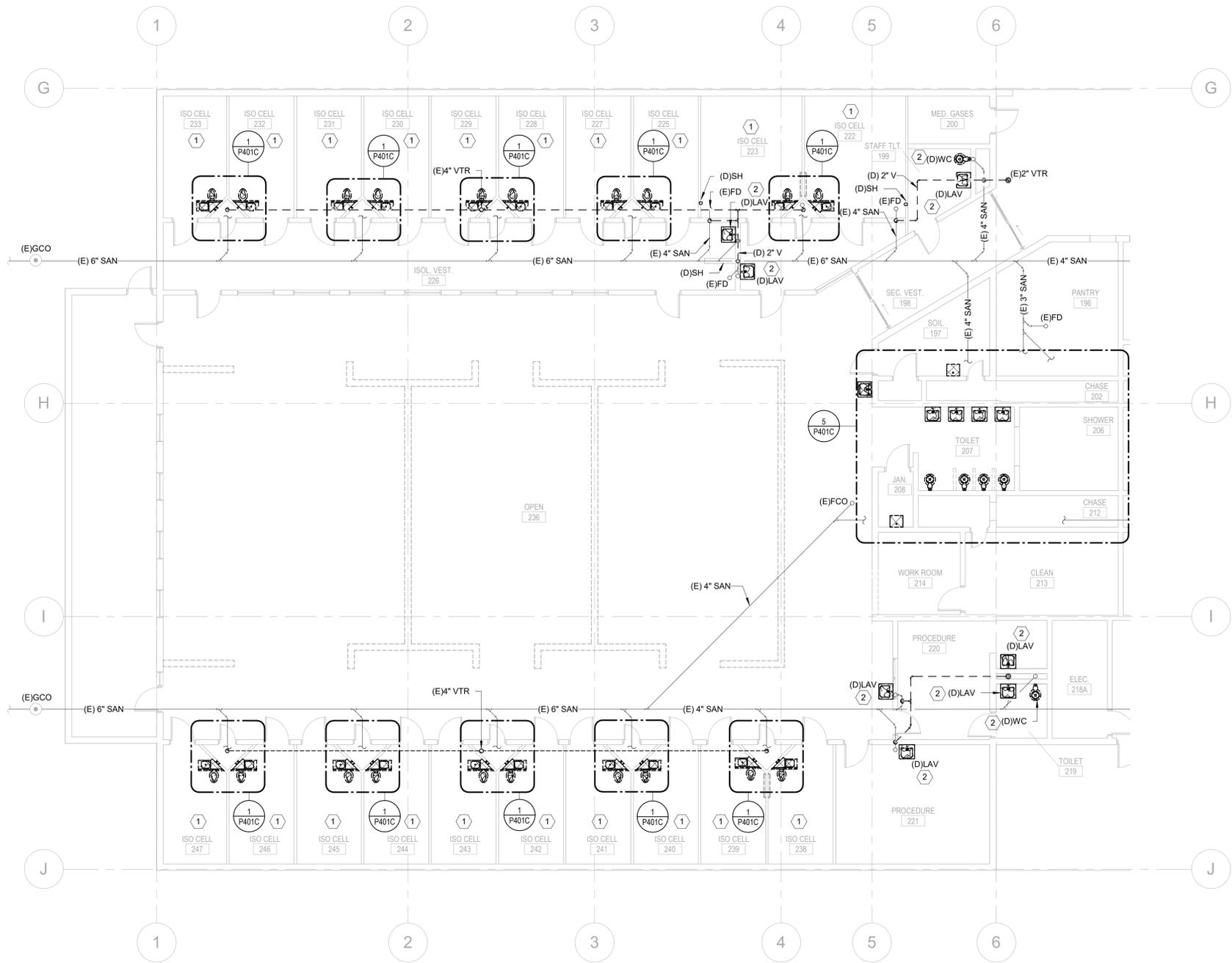
ABV ABOVE	NIC NOT IN CONTRACT
AAV AIR ADMITTANCE VALVE	NO NUMBER
AD AREA DRAIN	NTS NOT TO SCALE
AFF ABOVE FINISHED FLOOR	PD PRESSURE DROP
BFF BELOW FINISHED FLOOR	PLBG PLUMBING
BLW BELOW	PRESS PRESSURE
CLG CEILING	PRV PRESSURE REDUCING VALVE
CO CLEAN OUT	PSI POUNDS PER SQUARE INCH
CW COLD WATER	RD ROOF DRAIN
D DEGREE	RED REDUCER
DN DOWN	SF SQUARE FOOT
DOM. DOMESTIC	SAN SANITARY
ET EXPANSION TANK	SP STATIC PRESSURE
EWC ELECTRIC WATER COOLER	TEMP TEMPERATURE
EWT ENTERING WATER TEMPERATURE	TYP TYPICAL
EXIST EXISTING	V VENT
F FAHRENHEIT	VTR VENT THROUGH ROOF
FCO FLOOR CLEAN OUT	WCO WALL CLEAN OUT
FD FLOOR DRAIN	WH WALL HYDRANT
FL FLOOR	
FS FLOOR SINK	
FT FOOT/FEET	
GPM GALLONS PER MINUTE	
GW GAS WATER HEATER	
HB HOSE BIBB	
HW HOT WATER	
IN INCH	
LWT LEAVING WATER TEMPERATURE	

PLUMBING FIXTURE SCHEDULE

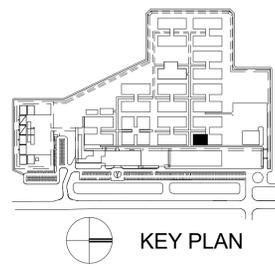
FIXTURE MARK	FIXTURE DESCRIPTION	ROUGH-IN PIPE SIZES				WATER SUPPLY DURATION		DRAINAGE	BASIS OF DESIGN MAKE	BASIS OF DESIGN MODEL
		COLD WATER SUPPLY	HOT WATER SUPPLY	FIXTURE TRAP	FIXTURE DRAIN	COLD WATER	HOT WATER			
WC-1	COMBINATION LAVATORY AND WATER CLOSET - 14 GAUGE TYPE 304 STAINLESS STEEL, FLOOR MOUNTED, WALL OUTLET, HARD-WIRED FLUSH VALVE, 1.28 GPF. PROVIDE WITH PENAL BUBBLER, PROVIDE HARD-WIRED SECONDARY CONTROL OF FLUSH VALVE TO BE LOCATED IN CHASE.	LAV: 1/2" WC: 1"	LAV: 1/2" WC: -	LAV: 2" WC: 4"	LAV: 2" WC: 4"	LAV: 0.5 WC: 6	LAV: 0.5 WC: -	LAV: 1 WC: 4	ACORN	1432ALAR
WC-2	WATER CLOSET - 14 GAUGE TYPE 304 STAINLESS STEEL, FLOOR MOUNTED, WALL OUTLET, HARD-WIRED FLUSH VALVE, 1.6 GPF.	1"	N/A	4"	4"	6	N/A	4	ACORN	1685
WC-3	WATER CLOSET - BARRIER FREE FLOOR MOUNTED 17" HIGH, ELONGATED, 1.6 GPF. ROUND FRONT SEAT COVER, STAINLESS STEEL HINGE. PROVIDE ALL REQUIRED ACCESSORIES FOR COMPLETE INSTALLATION.	1"	N/A	4"	4"	6	N/A	4	AMERICAN STANDARD; SLOAN	215BA; 111
LAV-1	LAVATORY - 14 GAUGE TYPE 304 STAINLESS STEEL, WALL OUTLET, PNEUMATICALLY OPERATED, HEMISPHERICAL PUSH BUTTONS, ADA COMPLIANT, HEMISPHERICAL BUBBLER, AND INTEGRAL SELF-DRAINING SOAP DISH.	1/2"	1/2"	2"	2"	1.5	1.5	1	ACORN	LR1652
LAV-2	LAVATORY, BARRIER FREE - 20X18" VITREOUS CHINA, WALL HUNG, SINGLE HOLE. PROVIDE FLOOR CARRIER WITH CONCEALED ARMS, CHROME FAUCET, GRID DRAIN ASSEMBLY, TOP OF FRONT RIM MOUNTED 3/4" FROM FINISHED FLOOR. PROVIDE STOPS, SUPPLIES, TRAP, ETC., TO MAKE A COMPLETE INSTALLATION.	1/2"	1/2"	2"	2"	0.5	0.5	1	AMERICAN STANDARD; DELTA	0355; 27C4974
MS-1	MOP SINK - 24X24X10" ONE-PIECE CONSTRUCTION, INTEGRALLY MOLDED CENTER DRAIN WITH SEAL. PROVIDE WITH HOSE AND HOSE HOOK, MOP BRACKET, VACUUM BREAKER, AND WALL GUARDS.	1/2"	1/2"	3"	3"	2.25	2.25	2	FIAT; MOEN	TSB-3010; 8230
SH-1	SHOWER - 14 GAUGE TYPE 304 STAINLESS STEEL, PNEUMATICALLY OPERATED, PRESSURE BALANCING MIXING VALVE, AND INTEGRAL SERVICE STOPS.	1/2"	1/2"	2"	2"	3	3	2	ACORN	1741-8MV-RD
DF-1	DRINKING FOUNTAIN - 14 GAUGE, TYPE 304 STAINLESS STEEL, OFF FLOOR, WALL OUTLET, PNEUMATICALLY OPERATED, HEMISPHERICAL PUSH BUTTON, AND HEMISPHERICAL BUBBLER.	3/4"	N/A	N/A	2"	0.25	N/A	0.5	ACORN	LR1672FA
BPH-1	BED PAN HOPPER - VITREOUS CHINA, WALL-HUNG, BLOWOUT FLUSHING RIM SERVICE SINK, FLUSH VALVE. SLOAN "ROYAL" 117 BED PAN WASHER; CHICAGO 910-G777-19KCP	3/4"	3/4"	4"	4"	2.25	2.25	2	CRANE	7H544

- ### KEYNOTES
- EXISTING PLUMBING FIXTURES LOCATED IN EXISTING CELL SPACE SHALL BE DEMOLISHED AND REPLACED WITH NEW STAINLESS STEEL COMBINATION TOILET LAVATORY FIXTURE (WC-1). CONTRACTOR SHALL ALTER PLUMBING PIPING IN ADJACENT CHASE AS REQUIRED FOR CONNECTIONS TO NEW PLUMBING FIXTURE.
 - REMOVE AND PROPERLY DISPOSE OF EXISTING PLUMBING FIXTURES. PREPARE EXISTING PIPING FOR RECONNECTION. TEMPORARILY CAP EXISTING SANITARY, VENT, AND DOMESTIC WATER PIPING FOR REUSE. REFER TO PLUMBING RENOVATION PLAN FOR ADDITIONAL INFORMATION.

- ### PLUMBING GENERAL NOTES
- THESE DRAWINGS ARE DIAGRAMMATIC IN NATURE AND DO NOT SHOW ALL ELBOWS, OFFSETS, UNIONS, VALVES, OR FITTINGS REQUIRED TO COMPLETE INSTALLATION.
 - EXISTING CONDITIONS ARE BASED ON FIELD OBSERVATIONS AND 'AS-BUILT' DOCUMENTS. CONTRACTOR SHALL FIELD VERIFY EXISTING CONDITIONS AND REPORT DISCREPANCIES TO ENGINEER PRIOR TO DISTURBING EXISTING INSTALLATION.
 - CONTRACTOR SHALL FIELD VERIFY ALL CONNECTION POINTS TO EXISTING SYSTEM PIPING AFFECTED.
 - ALL EXISTING PIPING TO BE REUSED SHALL BE PRESSURE TESTED, THOROUGHLY CLEANED, AND SANITIZED TO AVOID POSSIBLE CONTAMINATION.
 - PLUMBING CONTRACTOR SHALL ENSURE NO DEAD LEGS ARE LEFT IN ANY PIPING WITHIN THE AREA OF WORK.
 - ALL EXISTING PLUMBING FIXTURES (WATER CLOSETS, LAVATORIES, SINKS, SHOWERS, MOP SINKS, AND COMBINATION TOILET LAVATORIES) SHALL BE DEMOLISHED AND REPLACED WITH NEW PLUMBING FIXTURES. ALL EXISTING FLOOR DRAINS AND FLOOR SINKS SHALL REMAIN.
 - ALL ABOVE-GRADE, CAST-IRON SANITARY AND VENT PIPING SHALL BE DEMOLISHED AND REPLACED WITH SCHEDULE 40 PVC PIPING.



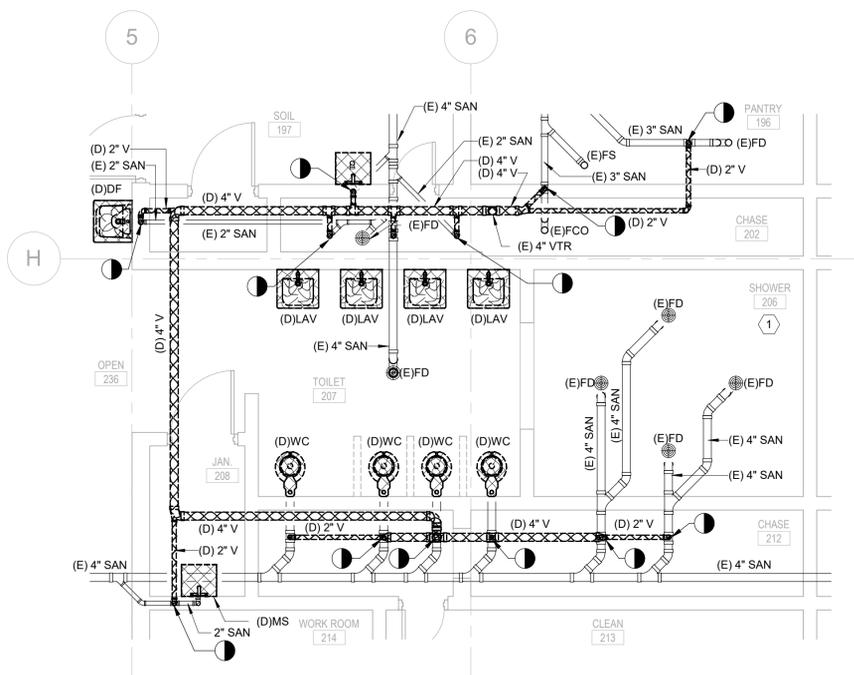
1 PLUMBING DEMOLITION PLAN - JIC
1/8" = 1'-0"



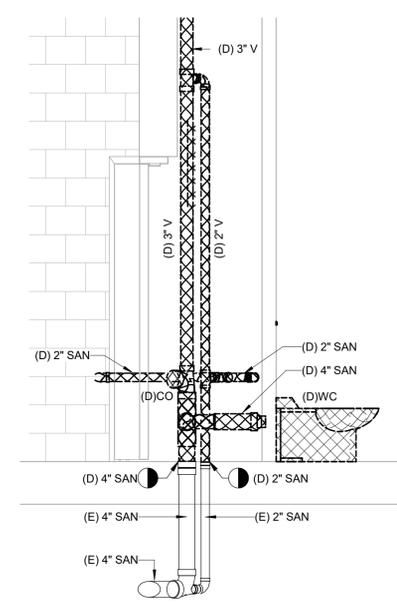
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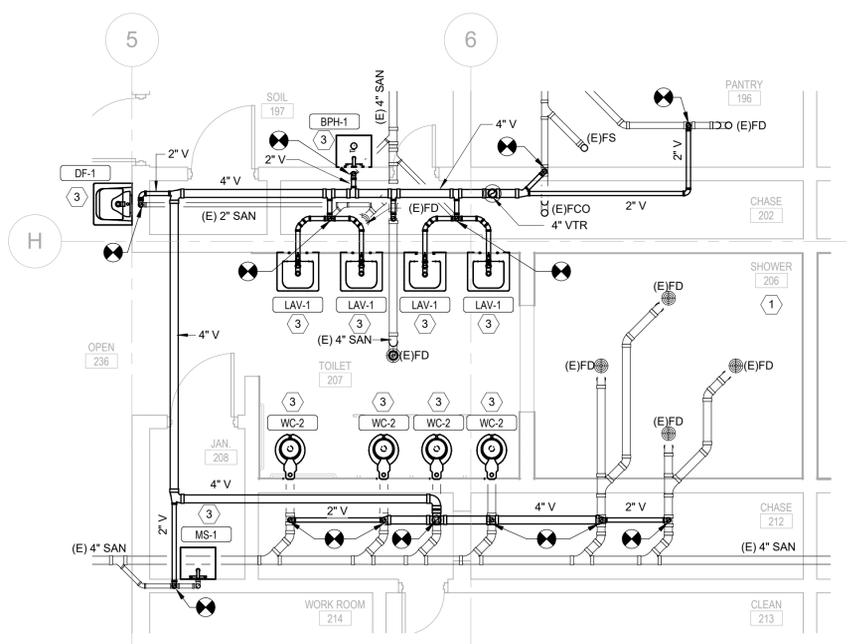
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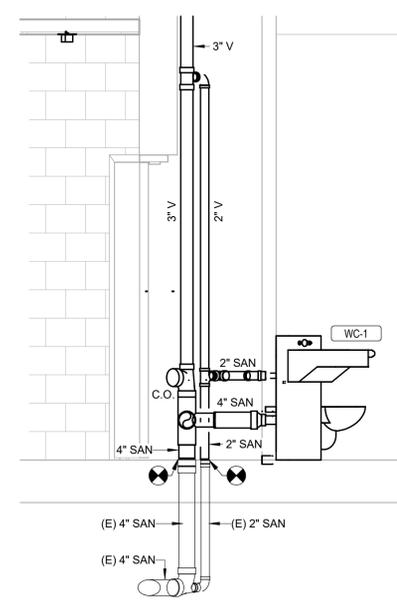
5 ENLARGED PLAN - SANITARY DEMOLITION - GROUP BATHROOM - JIC
1/4" = 1'-0"



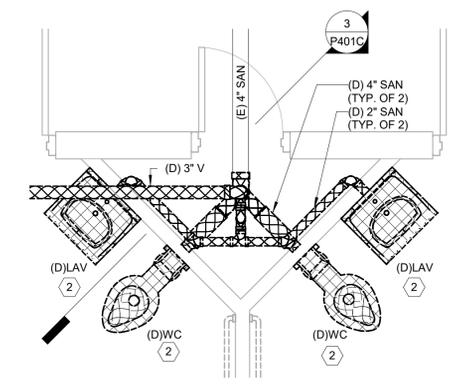
3 SECTION VIEW - SANITARY DEMOLITION - TYPICAL CELL - JIC
1/2" = 1'-0"



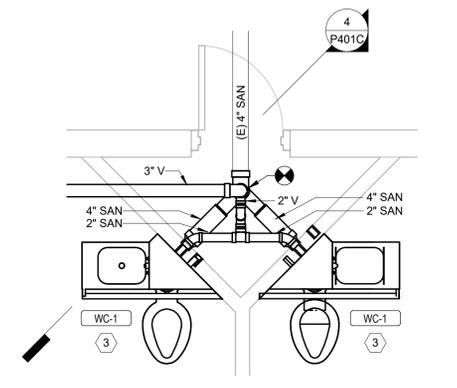
6 ENLARGED PLAN - SANITARY RENOVATION - GROUP BATHROOM - JIC
1/4" = 1'-0"



4 SECTION VIEW - SANITARY RENOVATION - TYPICAL CELL - JIC
1/2" = 1'-0"



1 ENLARGED PLAN - SANITARY DEMOLITION - TYPICAL CELL - JIC
1/2" = 1'-0"



2 ENLARGED PLAN - SANITARY RENOVATION - TYPICAL CELL - JIC
1/2" = 1'-0"

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- KEYNOTES**
- ALL EXISTING SHOWER HEADS AND PUSH BUTTON CONTROLS SHALL BE DEMOLISHED AND REPLACED WITH NEW DURING CONSTRUCTION (TYP. OF 6). EXISTING CENTRALLY-LOCATED, STAINLESS STEEL SHOWER MOUNT SHALL REMAIN.
 - REMOVE AND PROPERLY DISPOSE OF EXISTING PLUMBING FIXTURES. PREPARE EXISTING PIPING FOR RECONNECTION. TEMPORARILY CAP EXISTING SANITARY, VENT, AND DOMESTIC WATER PIPING FOR REUSE. REFER TO PLUMBING RENOVATION PLAN FOR ADDITIONAL INFORMATION.
 - RECONNECT EXISTING DOMESTIC COLD AND HOT (IF REQUIRED) WATER LINES TO NEW PLUMBING FIXTURE PIPING CONNECTIONS INCLUDING BUT NOT LIMITED TO ALL PIPING ACCESSORIES, ESCUTCHEONS, ETC.

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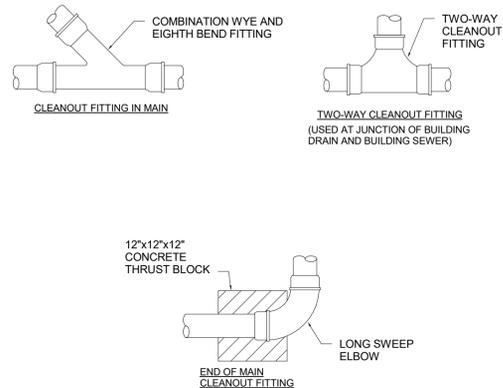
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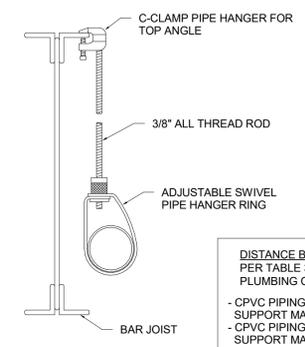
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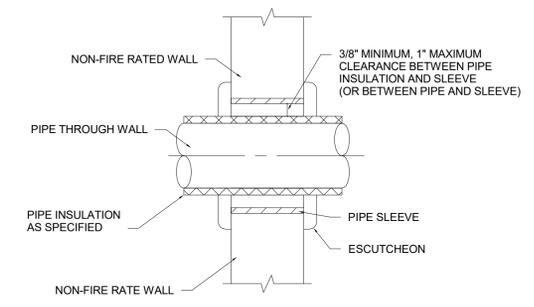
4 CLEANOUT FITTINGS DETAIL N.T.S.



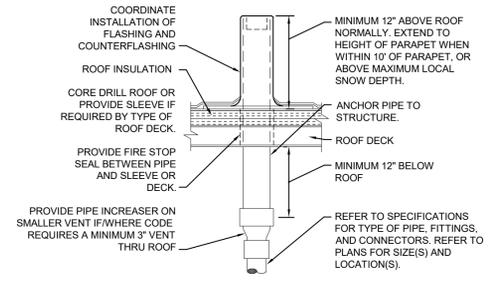
DISTANCE BETWEEN SUPPORTS:
PER TABLE 308.5 OF THE FLORIDA
PLUMBING CODE 2020

- CPVC PIPING 1" DIAMETER AND SMALLER SUPPORT MAXIMUM EVERY 3 FT.
- CPVC PIPING 1-1/4" DIAMETER AND LARGER SUPPORT MAXIMUM EVERY 4 FT.
- TYPE "L" COPPER PIPE 1-1/4" OR SMALLER SUPPORT MAXIMUM EVERY 6 FT.
- SCHEDULE 40 BLACK STEEL PIPE SUPPORT MAXIMUM EVERY 12 FT.

1 PIPE HANGER DETAIL N.T.S.



2 PIPE PENETRATION THROUGH NON-FIRE RATED WALL N.T.S.



LOCATE VTR MINIMUM THREE FEET FROM PROPERTY LINE, TEN FEET HORIZONTAL OR THREE FEET VERTICAL ABOVE ANY BUILDING OPENING OR FRESH AIR INTAKE, TWENTY FIVE FEET FROM ANY OPENING OR FRESH AIR INTAKE IN MEDICAL FACILITIES AND ONE FOOT FROM ANY VERTICAL SURFACE. REFER TO LOCAL CODES FOR OTHER VENT TERMINATION REQUIREMENTS. LOCATE VTR MINIMUM 18" FROM ADJACENT WALL, PARAPET, EXPANSION JOINT, ROOF DRAIN, EQUIPMENT CURB, OR OTHER ROOF FEATURE. OFFSET IN CEILING SPACE WHERE REQUIRED TO MEET THESE CONDITIONS. INSULATE LAST SIX FEET OF VENT PIPE INSIDE BUILDING PER SPECIFICATIONS.

3 VENT THRU ROOF "VTR" DETAIL N.T.S.

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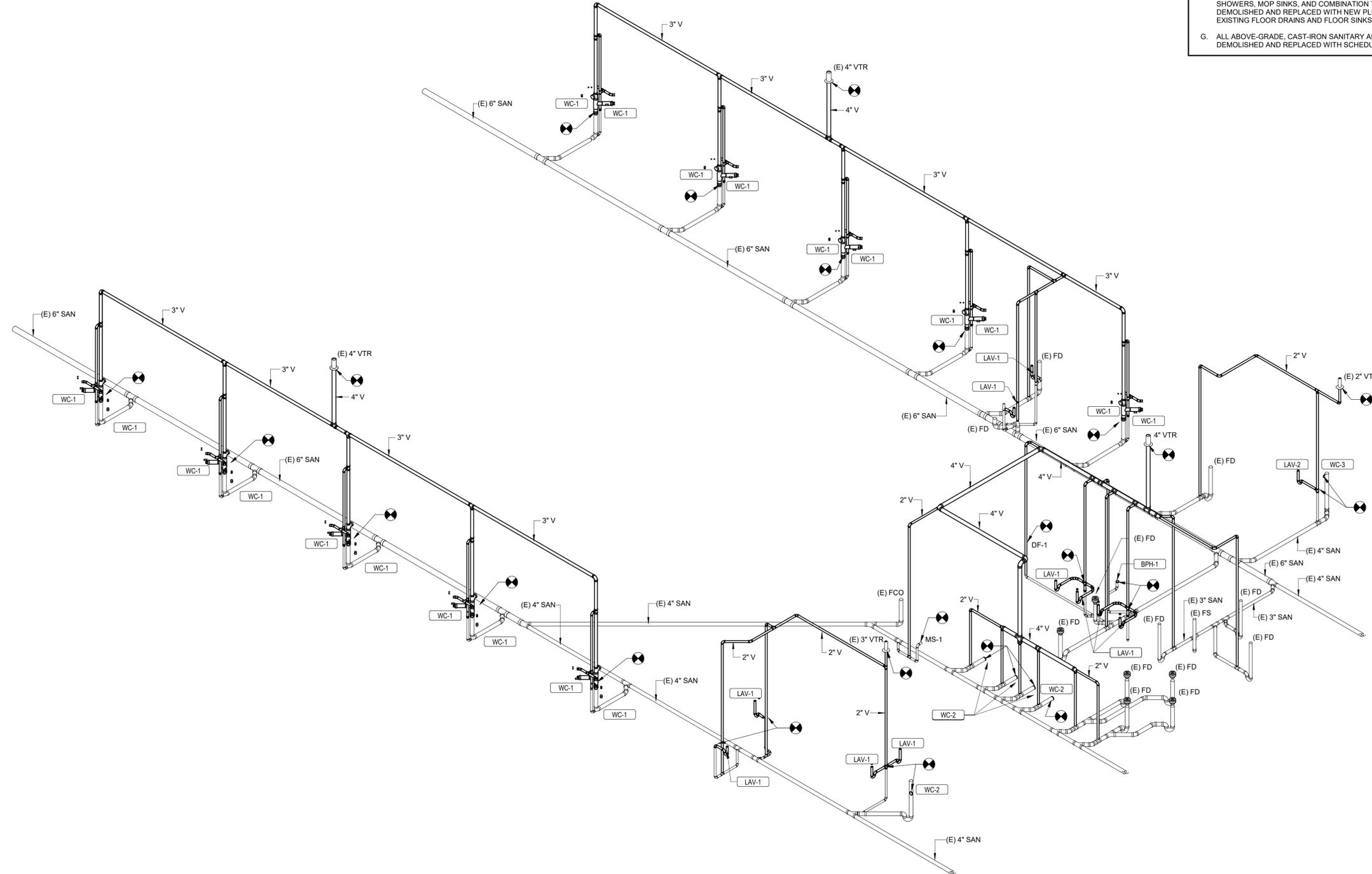
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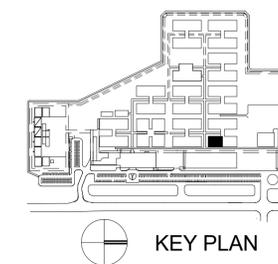
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PLUMBING GENERAL NOTES

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1 SANITARY & VENT ISOMETRIC - JIC
NOT TO SCALE



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