

DEMO NOTES:

- EXISTING ELECTRICAL EQUIPMENT AND SERVICES TO REMAIN. REFER TO ELECTRICAL DRAWINGS.
- REMOVE EXISTING PARTITION(S) AS SHOWN DASHED, INCLUDING ANY ELECTRICAL DEVICES, DOORS, FINISHES, AND OTHER ASSOCIATED ITEMS. VERIFY IN FIELD.
- EXISTING PARTITION WALL TO REMAIN. REMOVE EXISTING FINISHES. PATCH / REPAIR AND PREP TO RECEIVE NEW TENANT FINISHES.
- EXISTING DOORS AND WINDOWS TO REMAIN. EVALUATE EXISTING CONDITION. REPORT FINDINGS TO OWNER IF REPLACEMENT IS REQUIRED.
- EXISTING TOILET ROOM TO REMAIN. EXISTING CEILING / LIGHTING / FLOORING TO REMAIN. CLEAN TO LIKE NEW CONDITION. ENSURE ALL FIXTURES ARE IN PROPER WORKING ORDER. PATCH/ REPAIR EXISTING PARTITIONS, WALL FINISHES, CEILING, AND FLOORING TO LIKE NEW CONDITION. REPORT TO OWNER IF REPLACEMENT IS REQUIRED.
- RELOCATE EXISTING DRINKING FOUNTAIN TO NEW DESIGNATED LOCATION. INSTALL NEW SERVICE SINK IN THIS LOCATION. REPORT TO OWNER IF ANY UNFORESEEN CONDITIONS ARE ENCOUNTERED.
- REMOVE EXISTING VENDING MACHINE AS SHOWN DASHED, INCLUDING ASSOCIATED ELECTRICAL OUTLETS. RELOCATE DRINKING FOUNTAIN TO THIS LOCATION.
- REMOVE EXISTING FLOOR FINISH IN ITS ENTIRETY AND REPLACE WITH NEW LUXURY VINYL PLANK FLOORING.
- EXISTING FINISHES (INCLUDING BUT NOT LIMITED TO WALLS FINISHES, FLOORING, WALL BASE) TO REMAIN, UNLESS NOTED OTHERWISE. ENSURE LIKE NEW CONDITION.
- EXISTING LIGHTING IN OPEN AREA, OFFICES, CORRIDOR AND MECH. ROOMS TO REMAIN, UNLESS NOTED OTHERWISE. ENSURE LIKE NEW CONDITION. SEE ELECTRICAL PLAN
- EXISTING FINISHES, FIXTURE, ETC TO REMAIN COMPLETE.
- RELOCATE EXISTING DOOR AND FRAME COMPLETE, INFILL OPENING TO MATCH EXISTING CONDITIONS.
- REMOVE EXISTING WINDOW AND FRAME COMPLETE, INFILL OPENING TO MATCH EXISTING CONDITIONS.

AREA NOTES:

ALL ROOM AND SPACE AREAS INDICATED ON THE FLOOR PLANS ARE CALCULATED USING THE NET AREA METHOD, DEFINED AS FOLLOWS:

- MEASURED TO THE INTERIOR FACE OF EXTERIOR WALLS.

- MEASURED TO THE CENTERLINE OF SHARED INTERIOR PARTITION WALLS, UNLESS OTHERWISE SPECIFIED.

THE GROSS BUILDING AREA, MEASURED TO THE EXTERIOR FACE OF EXTERIOR WALLS, IS DOCUMENTED SEPARATELY ON THE CODE SUMMARY SHEET.

1 ARCHITECTURAL EXIST/DEMO PLAN
SCALE: 3/16" = 1'-0"

2 NOTES
SCALE: NTS



CLIENT:
COLLINS GENERAL CONTRACTING, LLC
1485 N ATLANTIC AVE, SUITE 113
COCOA BEACH FL, 32931

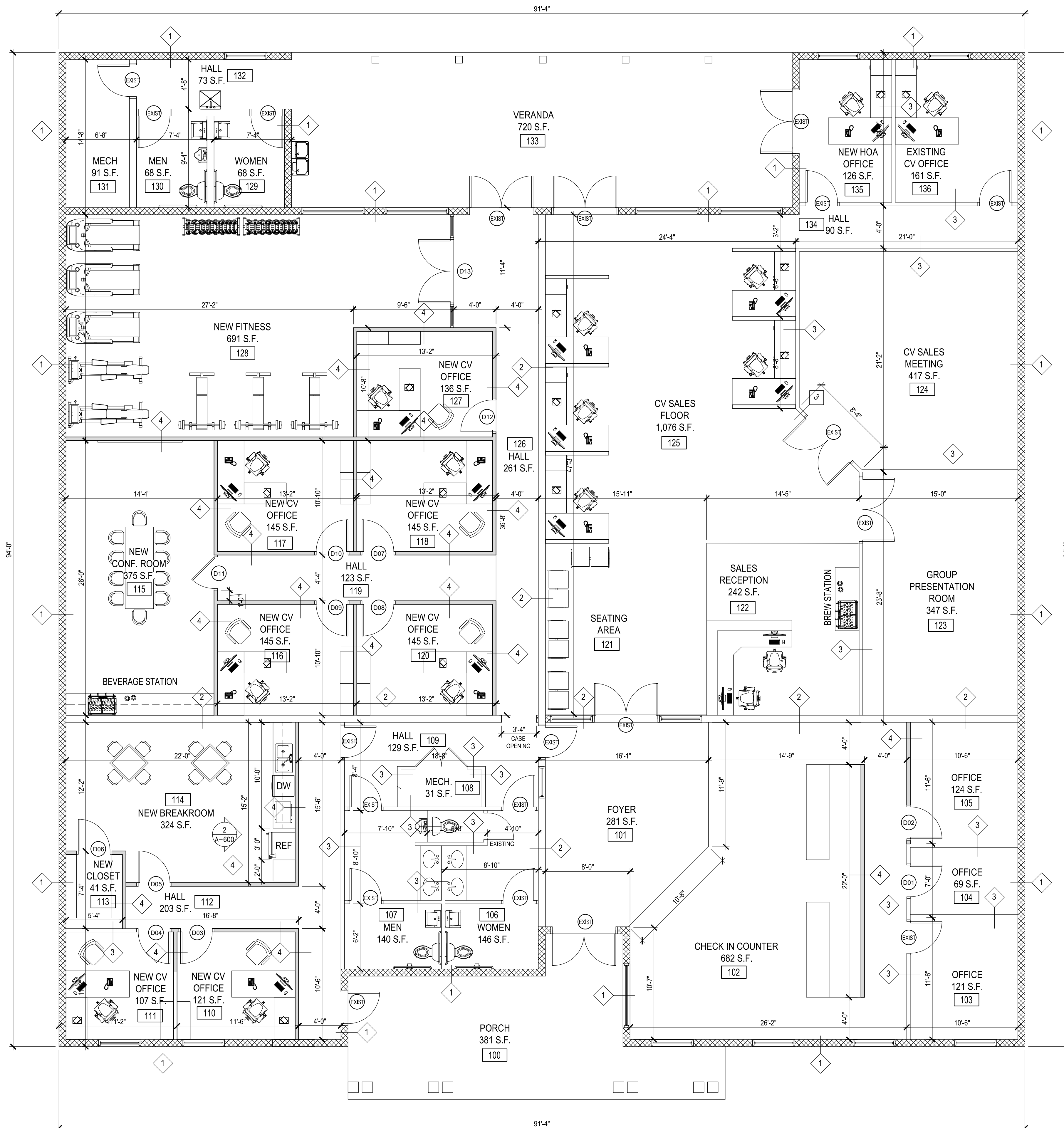
PROJECT NAME:
CAPITAL VACATIONS CLUBHOUSE
3000 BONFIRE BEACH DRIVE
KISSIMMEE, FLORIDA 34746

SHEET TITLE:
ARCHITECTURAL EXIST/DEMO PLAN

REVISION	DATE	BY
1		
2		
3		
4		
5		
6		

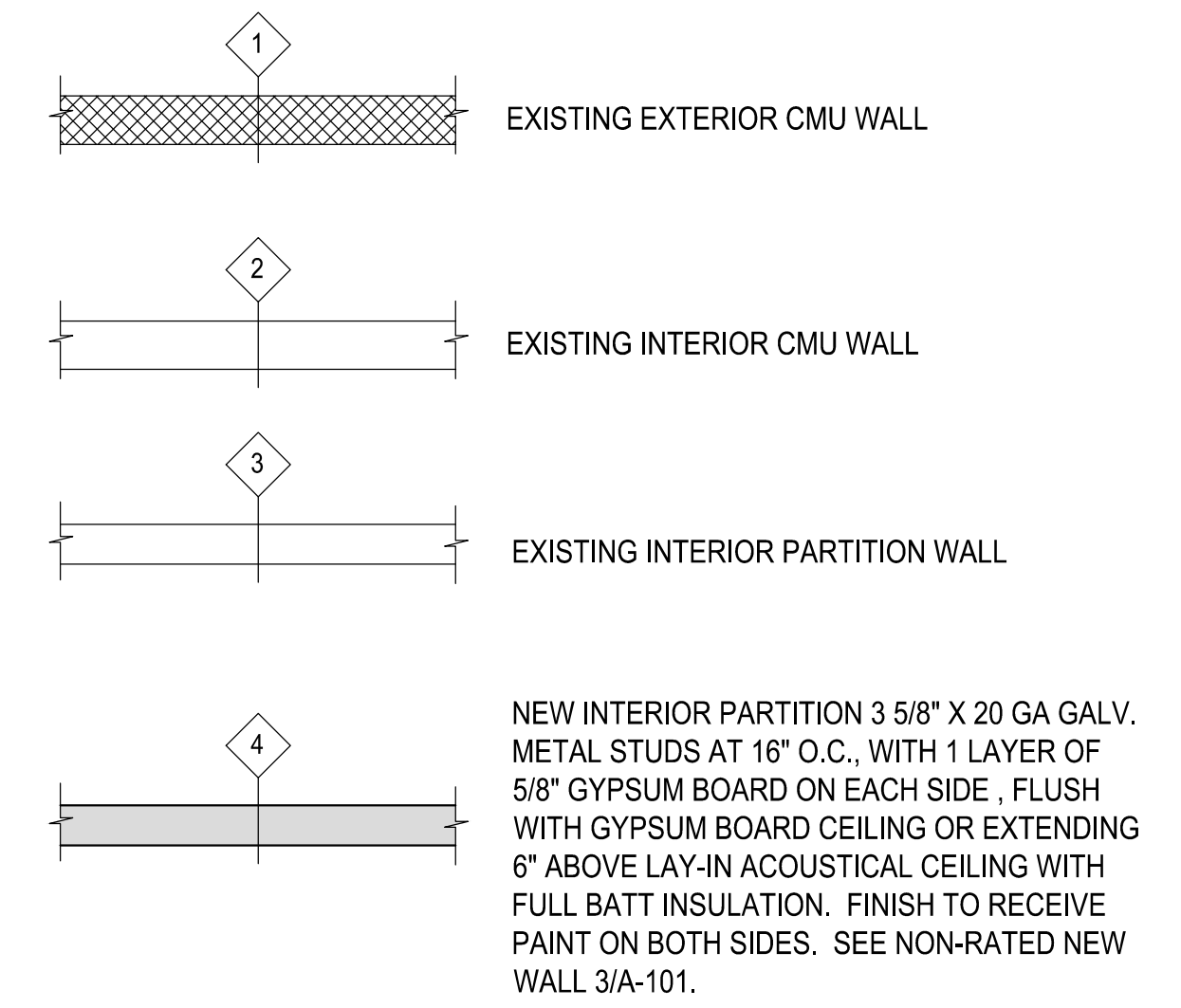
PROJECT NO. CDS-25-011
DATE: 1/30/2026
DRAWN: TT
CHECKED: KRL
SCALE: AS SHOWN
SHEET No:

J:\Shared\02_Projects\02_CDS Architectural Projects\Runway Beach Club\CAD\25_011 New T-Block\CDS_25-011 A-101-1

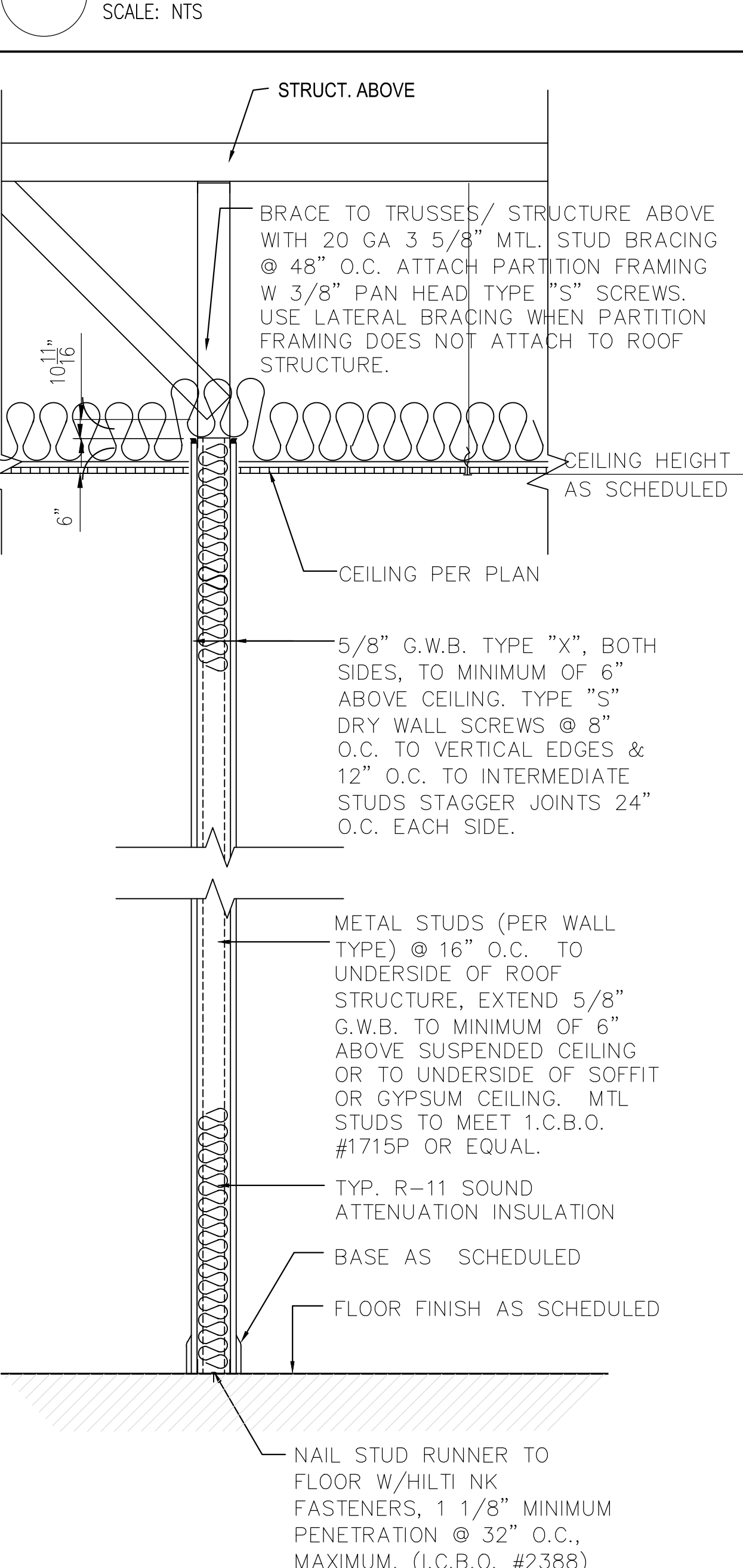


1 ARCHITECTURAL FLOOR PLAN
SCALE: 3/16" = 1'-0"

WALL LEGEND



2 LEGEND & DETAILS



3 NON-RATED NEW WALL
SCALE: NTS



COLLINS GENERAL CONTRACTING, LLC
1485 N ATLANTIC AVE, SUITE 113
COCOA BEACH FL, 32931

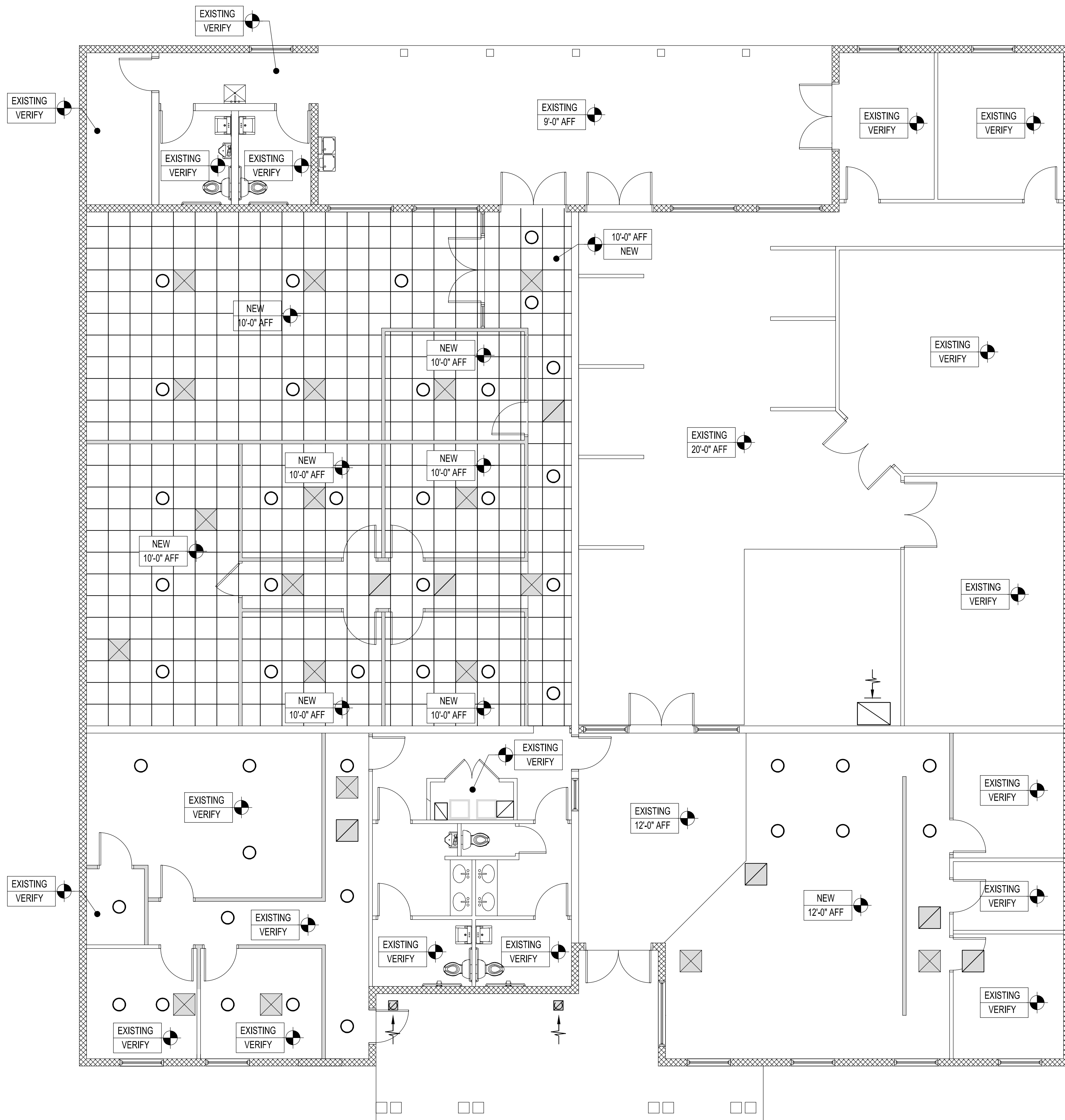
CAPITAL VACATIONS CLUBHOUSE
3000 BONFIRE BEACH DRIVE
KISSIMMEE, FLORIDA 34746

REVISION

1	
2	
3	
4	
5	
6	

PROJECT NO. CDS-25-011
DATE: 1/30/2026
DRAWN: TT
CHECKED: KRL
SCALE: AS SHOWN

J:\Shared\02_Projects\02_CDS Architectural Projects\Runway Beach Club\CAD\25_011 New T-Block\CDS_25-011 A-102 - 1



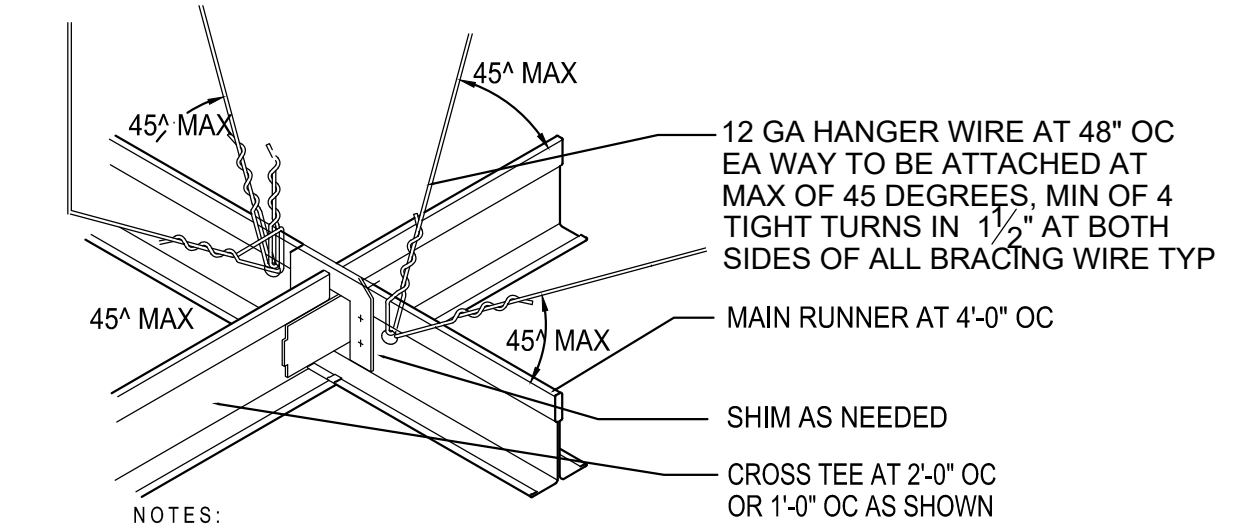
LEGEND:

- 2'x2' SUSPENDED ACOUSTICAL CEILING TILE
- LIGHTING FIXTURE, CEILING MOUNTED
- SUPPLY DIFFUSER
- RETURN DIFFUSER

ACOUSTICAL CLG. SYST.:

1. STANDARDS:
 - A. RECOMMENDED PRACTICE FOR INSTALLATION OF METAL CEILING SUSPENSION SYSTEM FOR ACOUSTICAL TILE AND LAY-IN PANELS, AMERICAN SOCIETY FOR TESTING AND MATERIALS (ASTM) C-636.
 - B. SOUND ABSORPTION COEFFICIENTS OF ARCHITECTURAL ACOUSTICAL MATERIALS ASSOCIATION (AMA).
 - C. INSTALLATION GUIDE, CEILING AND INTERIOR SYSTEM CONTRACTORS ASSOCIATION (CISCA).
2. SUSPENSION SYSTEM:
 - A. SUSPENSION SYSTEM FOR ALL ACOUSTICAL TILE CEILINGS, EXCEPT IN SEISMIC ZONES, SHALL BE "200 SNAP GRID" AS MANUFACTURED BY CHICAGO METALLIC CORP. APPROVED ALTERNATES SHALL BE DOWN CORPORATION'S "DX-24" AND ARMSTRONG WORLD INDUSTRIES "PRELUDE EXPOSED TEE". SUSPENSION SYSTEM IN SEISMIC ZONES ONLY WHEN REQUIRED SHALL BE CHICAGO METALLIC CORPORATION'S "1800 SYSTEM".
 - B. SUSPENSION SYSTEM SHALL BE AN INTEGRATED GRID WITH RECESSED LIGHTING AS SHOWN ON DRAWINGS. FOR ALL ACOUSTICAL TILE CEILINGS, THE ENTIRE SYSTEM SHALL BE DOUBLE WEB.

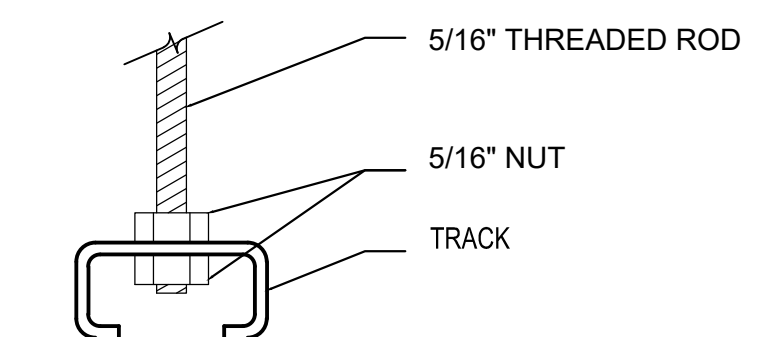
DIRECT HUNG, EXPOSED. MAIN AND CROSS RUNNERS, AND WALL ANGLES SHALL BE MINIMUM .015 INCH COLD ROLLED ELECTRO-GALVANIZED STEEL WITH PREFINISHED COLOR ON EXPOSED TO VIEW SURFACES TO MATCH ACOUSTIC TILES. PROVIDE MAIN RUNNERS CONTINUOUS IN LINE WITH EACH SIDE OF RECESSED LIGHT AND PARALLEL MAXIMUM 4'-0" ON CENTER IN THE CEILING FIELD. CROSS RUNNERS SHALL BE MAXIMUM 2'-0" ON CENTERS. PROVIDE ACCESSIBLE HOLD-DOWN CLIPS FOR ACOUSTIC TILES LESS THAN 1 LB./SQ.FT. PROVIDE MINIMUM 12 GAUGE GALVANIZED STEEL HANGER WIRE MAXIMUM 4'-0" ON CENTERS ALONG MAIN RUNNERS. WHEN MAIN RUNNERS ARE INTERRUPTED BY RECESSED LIGHTING USE MANUFACTURER'S GRID ADAPTER TO CONNECT THE PERPENDICULAR MAINS TOGETHER. ALSO USE MANUFACTURER'S PERIMETER CLIPS TO THE MAIN OR CROSS TEES TO WALL ANGLES. POP RIVETS OR OTHER EXPOSED FIELD CONNECTORS SHALL BE USED ONLY WHEN NECESSARY. ENTIRE SUSPENSION SYSTEM SHALL BE COMPLETELY FASTENED AND CONNECTED AS ONE HOMOGENEOUS FRAME. INDEPENDENT AND UNATTACHED CEILING FIELDS IS NOT PERMITTED.



- NOTES:
1. ALL 24"x48" CEILING LIGHT FIXTURES & 24"x24" HVAC AIR REGISTERS SHALL BE SUPPORTED BY A MINIMUM OF (2) HANGERS AT OPPOSITE CORNERS. CEILING SYSTEM SHALL NOT SUPPORT OTHER ITEMS.
 2. ALL INTERIOR WALL & CEILING FINISHES SHALL BE INSTALLED TO CLASS III FLAME SPREAD OR AS REQ'D BY LOCAL BUILDING DEPARTMENT, WHICHEVER IS MOST STRINGENT.
 3. 45 DEGREE BRACE WIRES ARE TO BE PROVIDED ONLY IF REQUIRED BY LOCAL BUILDING DEPARTMENT.

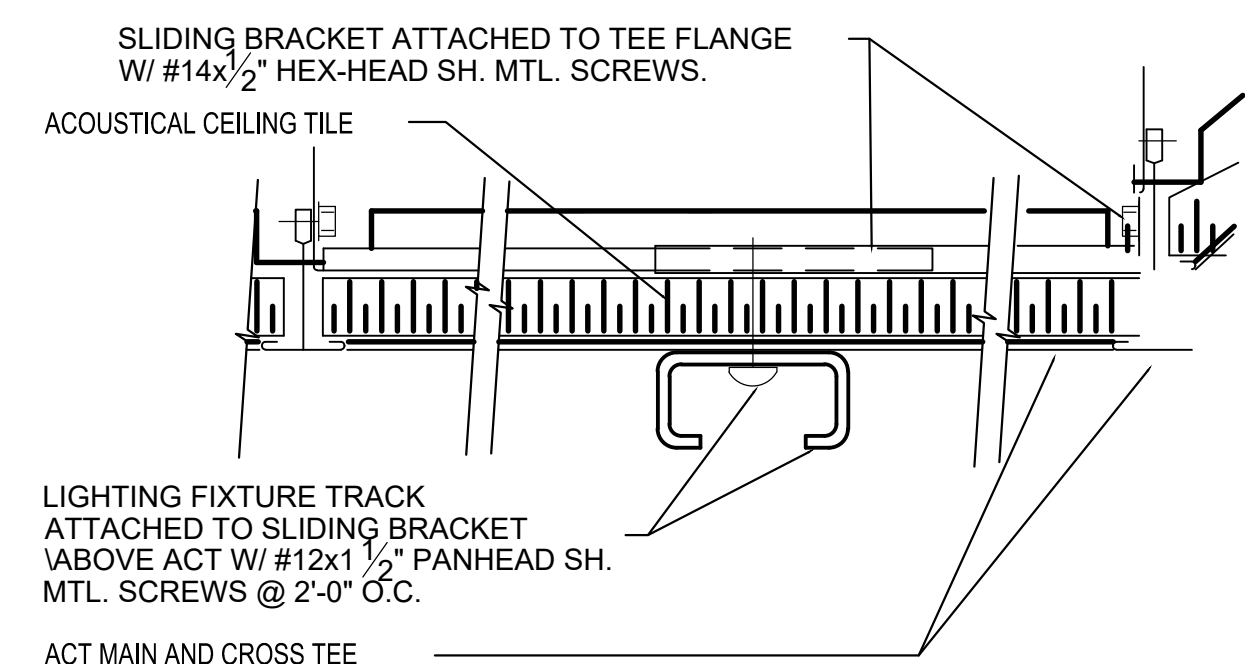
2 T BAR CEILING DETAIL

SCALE: N.T.S.



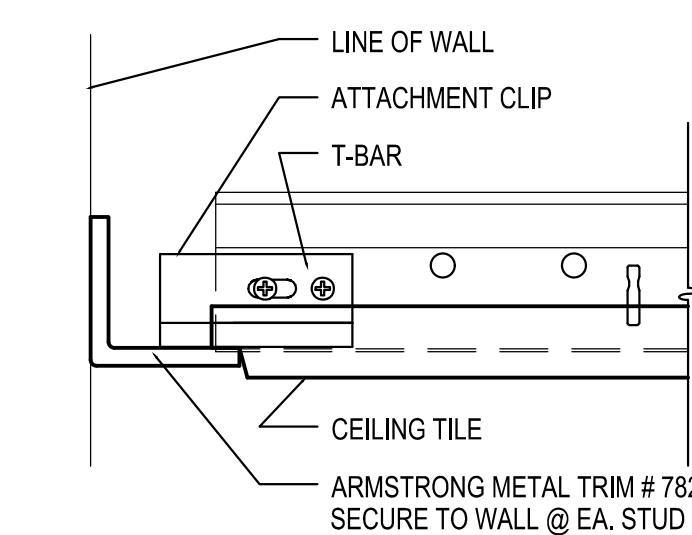
3 SUSPEND MOUNTING

SCALE: N.T.S.



4 TRACK MOUNTING TO ACT

SCALE: N.T.S.



5 ACT WALL/SOFFIT DETAIL

SCALE: N.T.S.

1 REFLECTED CEILING PLAN

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

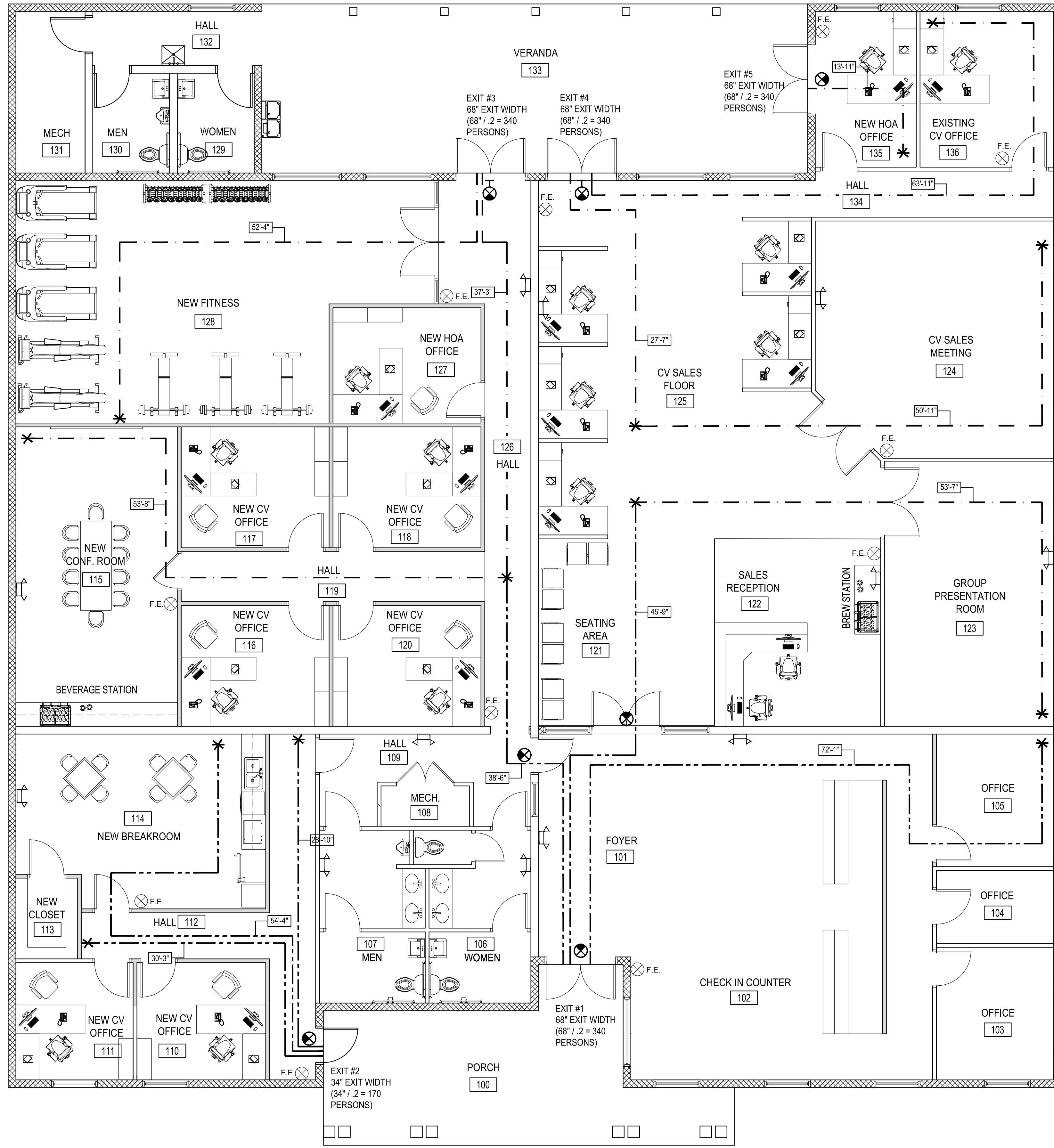


COLLINS GENERAL CONTRACTING, LLC
1485 N ATLANTIC AVE, SUITE 113
COCOA BEACH FL, 32931

CAPITAL VACATIONS CLUBHOUSE
3000 BONFIRE BEACH DRIVE
KISSIMMEE, FLORIDA 34746

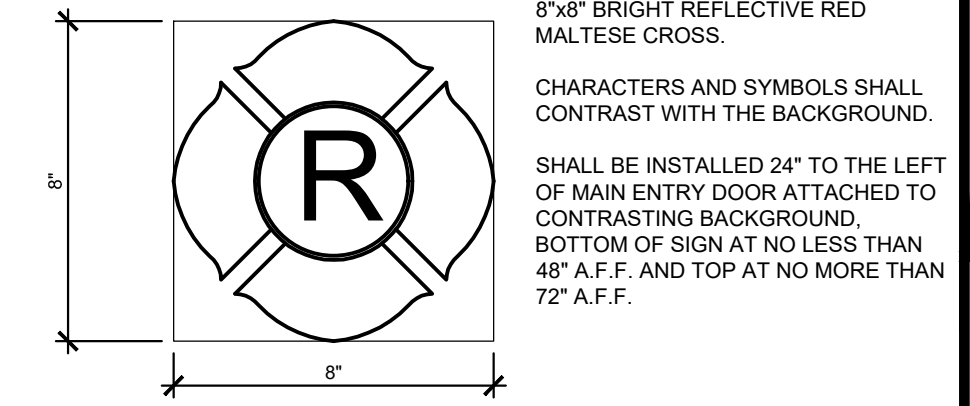
NO.	REVISION
1	
2	
3	
4	
5	
6	

PROJECT NO. CDS-25-011
DATE: 1/30/2026
DRAWN: TT
CHECKED: KRL
SCALE: AS SHOWN
SHEET No: A-102



- PLAN NOTES:
- GC SHALL SUBMIT INTERIOR FINISH DOCUMENTATION (FLAME/SMOKE) FOR FINAL ACCEPTANCE PRIOR TO INSTALLATION.
 - LOOKING/LATCHING HARDWARE ON EXIT DOORS SHALL COMPLY WITH SECTION 7.2.1.5.4 AND 7.2.1.5.9.2.
 - THE FLOOR ON BOTH SIDES OF NEW AND EXIT DOORS SHALL BE SUBSTANTIALLY LEVEL AND SHALL HAVE THE SAME ELEVATION ON BOTH SIDES OF THE DOOR(S). FOR A DISTANCE ON EACH SIDE AT LEAST EQUAL TO THE WIDTH OF THE WIDEST SINGLE DOOR, THRESHOLDS AT DOORS SHALL NOT EXCEED 1/2" N.F.P.A. 101, 7.2.1.3.1.
 - THE PROPOSED UNIT SHALL BE HANDICAPPED ACCESSIBLE. CHANGES IN LEVEL IN EXCESS OF 1/2" AT THE DOORWAYS REQUIRING ACCESSIBILITY SHALL BE RAMPED. FBC 11-4.3.8.

MALTESE CROSS



EGRESS LEGEND

- MAIN EGRESS PATH
 - - - - - SECONDARY EGRESS PATH
 - CLASS A FIRE WORDINARY HAZARD TYPE 2-A 1500% AREA 75 F.T. TRAVEL
ABC 10 lb. EXTINGUISHER WITH MOUNTING BRACKET TO MOUNT ON WALL 4'-0" ABOVE FINISH FLOOR
 - CEILING EXIT LIGHT; SHADED QUADRANTS INDICATE LETTERED FACE(S)
 - WALL EXIT LIGHT; SHADED QUADRANTS INDICATE LETTERED FACE(S)
 - EMERGENCY LIGHT WITH BATTERY PACK AND ADJUSTABLE HEADS
- NOTE: EACH PRIME CONTRACTOR SHALL CONSULT WITH THE RESPECTIVE MUNICIPAL FIRE DEPARTMENT AUTHORITIES HAVING JURISDICTION RELATIVE TO REQUIREMENTS FOR FIRE EXTINGUISHER PROTECTION IN THE BUILDING AND PROVIDE AS REQUIRED.

1 LIFE SAFETY PLAN
SCALE: 3/16" = 1'-0"

2 LEGEND
SCALE: NTS



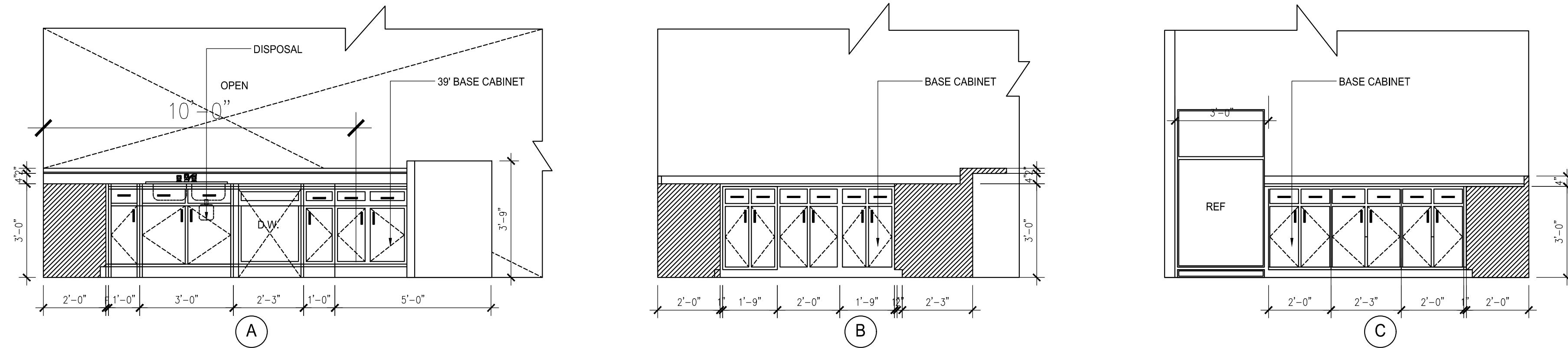
CLIENT: **COLLINS GENERAL CONTRACTING, LLC**
1485 N ATLANTIC AVE, SUITE 113
COCOA BEACH FL, 32931

PROJECT NAME: **CAPITAL VACATIONS CLUBHOUSE**
3000 BONFIRE BEACH DRIVE
KISSIMMEE, FLORIDA 34746

SHEET TITLE: **LIFE SAFETY PLAN**

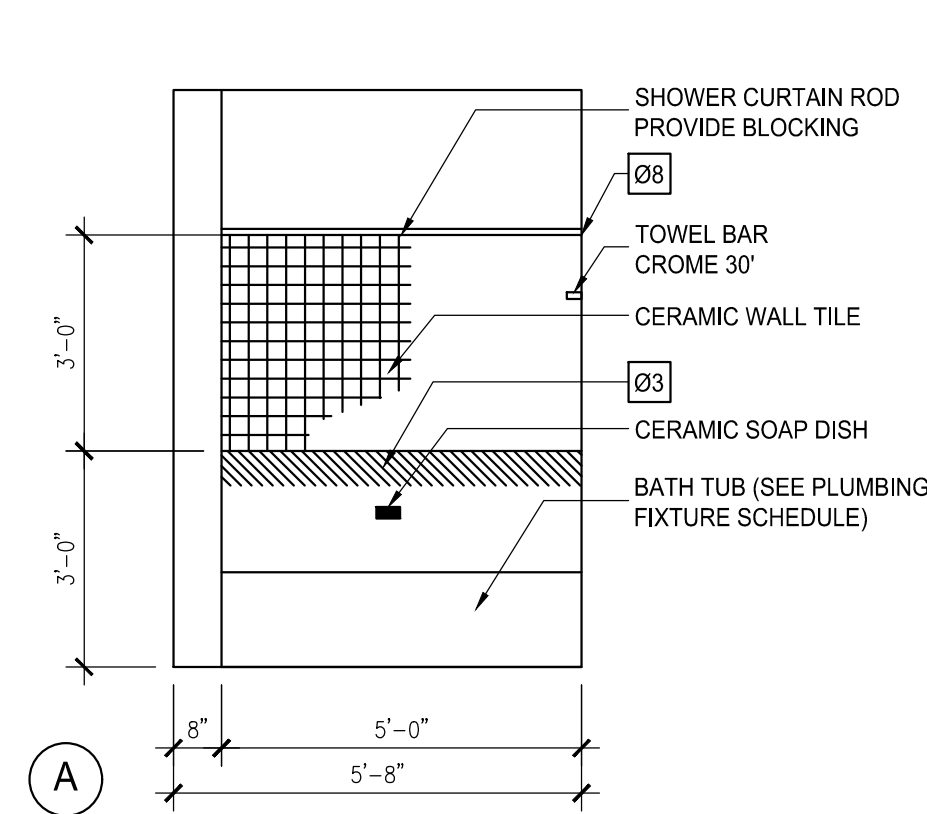
REVISION	DATE	BY
1		
2		
3		
4		
5		
6		

PROJECT NO. CDS-25-011
DATE: 1/30/2026
DRAWN: TT
CHECKED: KRL
SCALE: AS SHOWN
SHEET No:

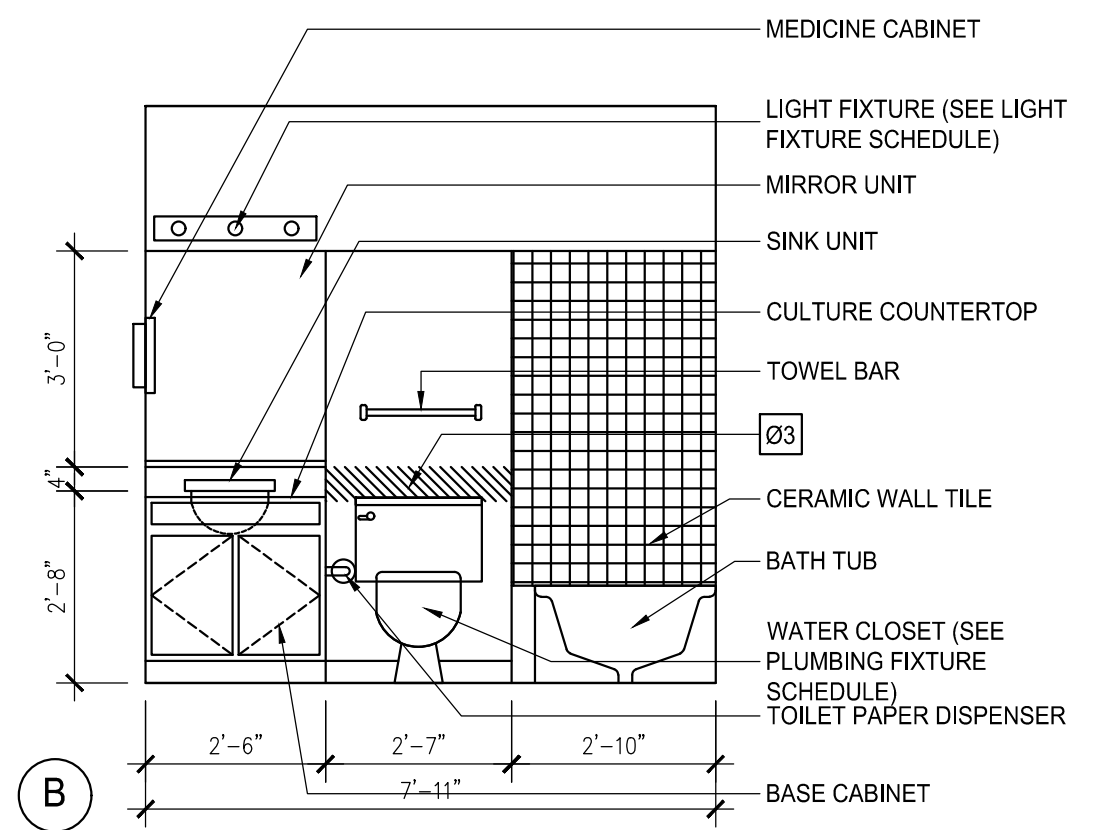


D1 INTERIOR KITCHEN ELEVATION - CLUBHOUSE
 SCALE: 3/8" = 1'-0"
 NOTE: ALL CABINET ELEVATION DIMENSIONS SHOWN ARE FORM UNFINISHED STUD TO UNFIN. STUD. - THE 1/2" GYPSUM BOARD ON EACH FACE IS NOT ACCOUNTED FOR - TYPICAL

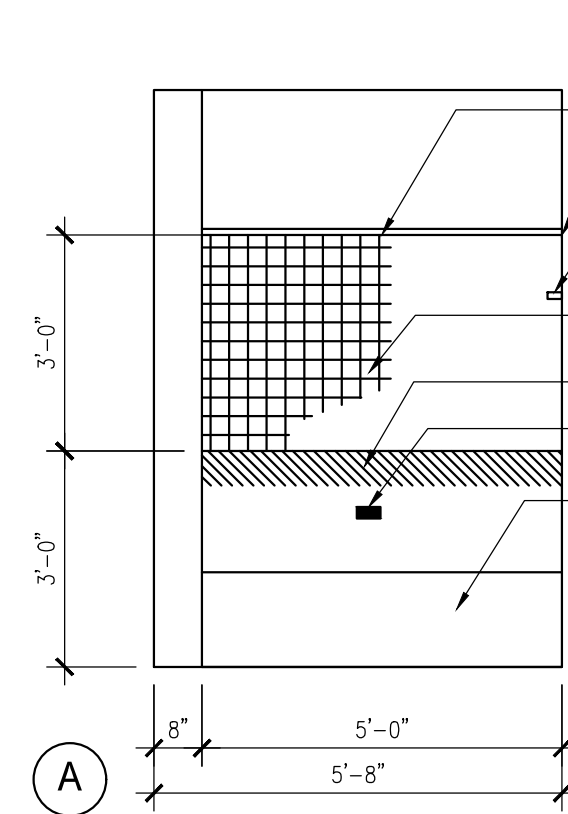
ROOM NAME	FLOOR										BASE		WALLS		CEILING			REMARKS
	CONCRETE	CARPET	VINYL	CERAMIC TILE	QUARRY TILE	TILE	WOOD	VINYL	CONCRETE	E.F.S.	GWB - OR PEEL	TILE	GWB - OR PEEL	GWB - OR PEEL	GWB - OR PEEL	HEIGHT		
FOYER	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	8'-0"	(9'-0" AT 1st FLR.)	
*LIVE	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	9'-0"	VAULT AT SECOND FLOOR	
*DINE	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	9'-0"	VAULT AT SECOND FLOOR	
KITCHEN	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	9'-0"	VAULT AT SECOND FLOOR	
UTILITY	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	8'-0"	(9'-0" AT 1st FLR.)	
ENTRY CLOSET	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	8'-0"	(9'-0" AT 1st FLR.)	
BEDROOMS	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	8'-0"	(9'-0" AT 1st FLR.)	
W.I.C.	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	8'-0"	(9'-0" AT 1st FLR.)	
BATH #1, #2, #3, #4, #5	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	8'-0"	(9'-0" AT 1st FLR.)	
HALL	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	8'-0"	(9'-0" AT 1st FLR.)	
BEDROOM CLOSETS	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	8'-0"	(9'-0" AT 1st FLR.)	
STAIR	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	-		



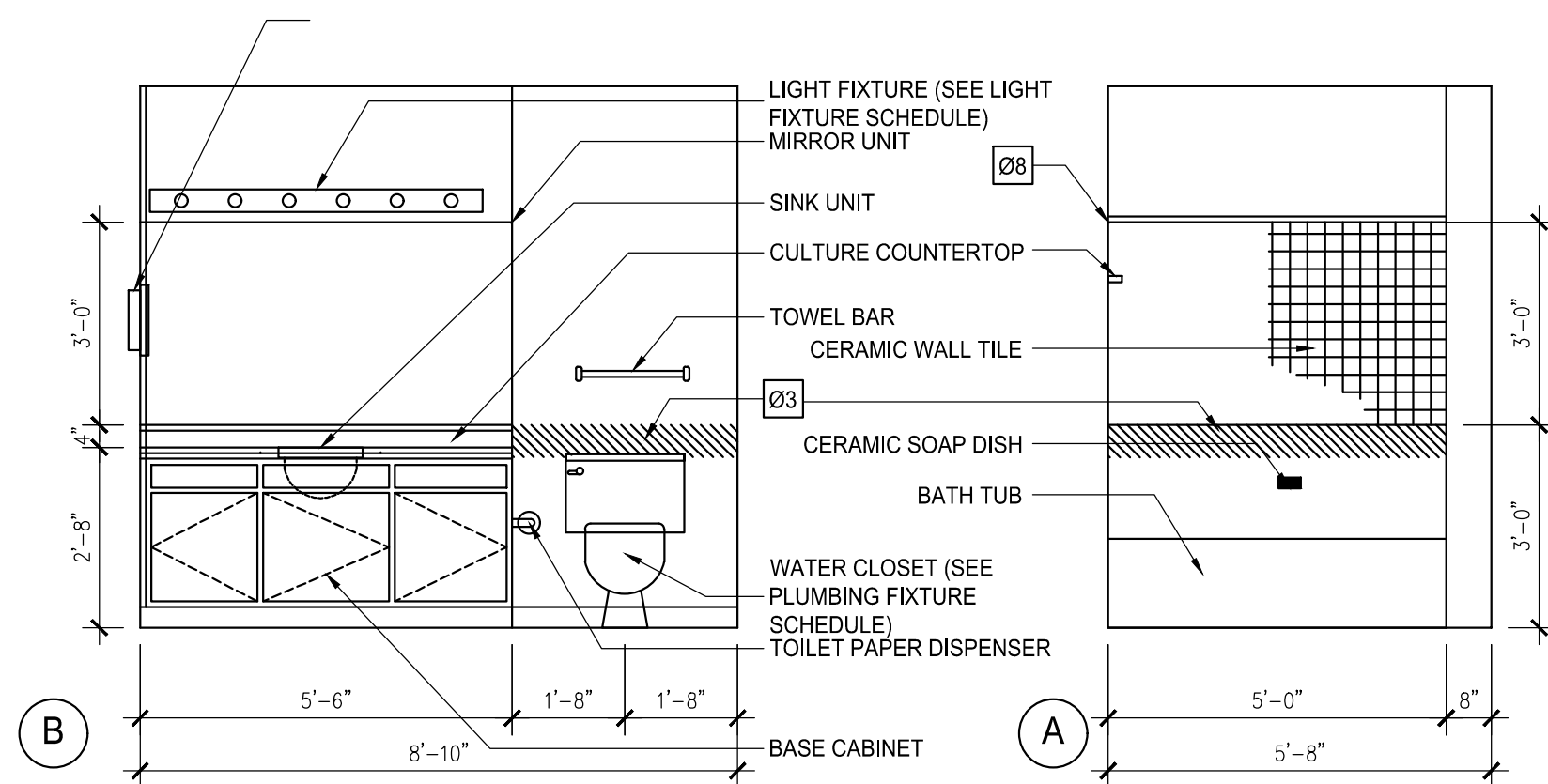
F1 INTERIOR ELEVATION BATH F2 -
 SCALE: 3/8" = 1'-0"



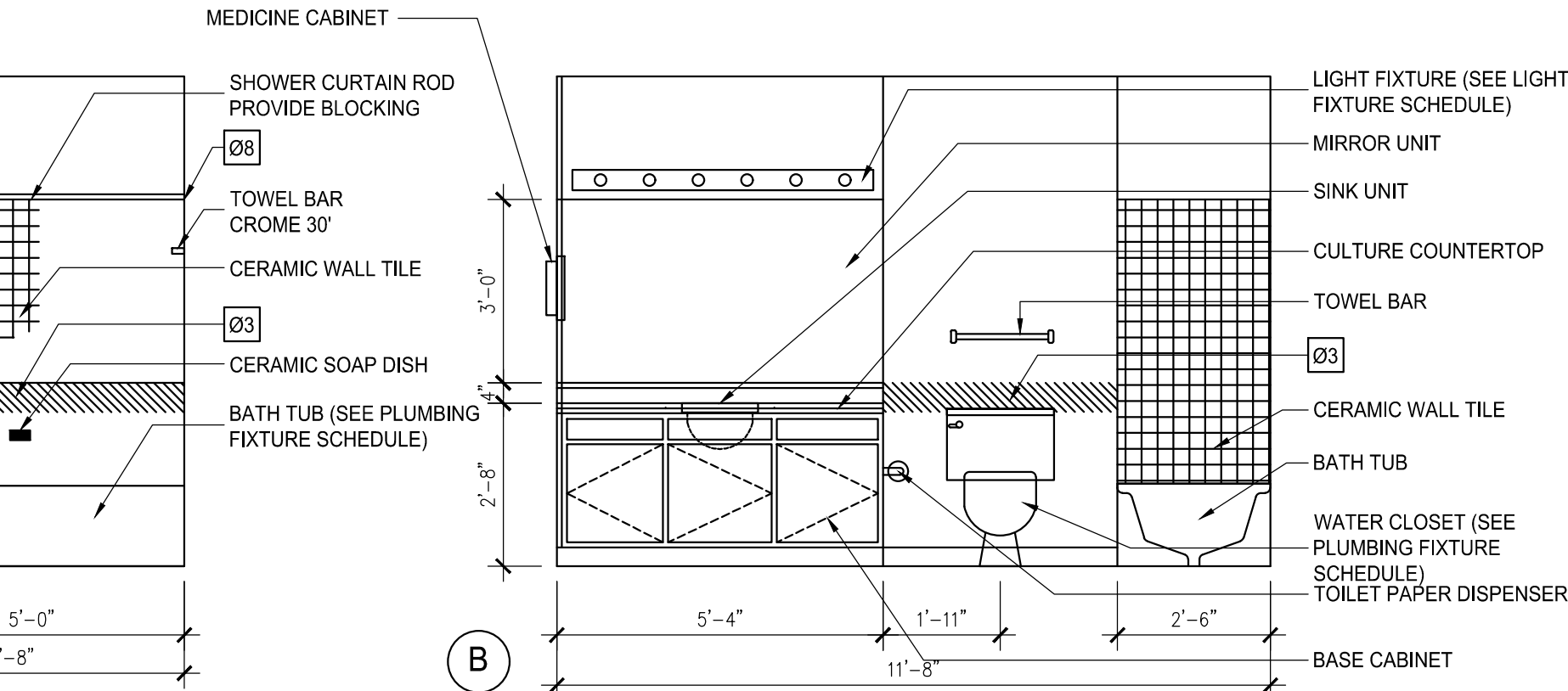
F4 INTERIOR ELEVATION BATH G3, H1, H2, H2L
 SCALE: 3/8" = 1'-0"



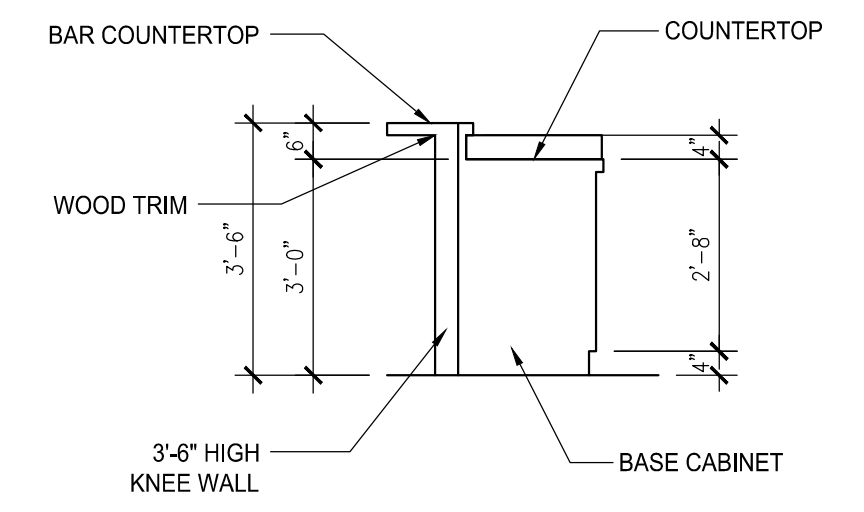
H1 INTERIOR ELEVATION BATH H1, G1, G2L, J1, H2L, H4
 SCALE: 3/8" = 1'-0"



H4 INTERIOR ELEVATION BATH H4
 SCALE: 3/8" = 1'-0"



H7 INTERIOR ELEVATION BATH J1
 SCALE: 3/8" = 1'-0"



F9 SECTION THRU BAR
 SCALE: 3/8" = 1'-0"

REVISION	DATE	BY
1		
2		
3		
4		
5		
6		

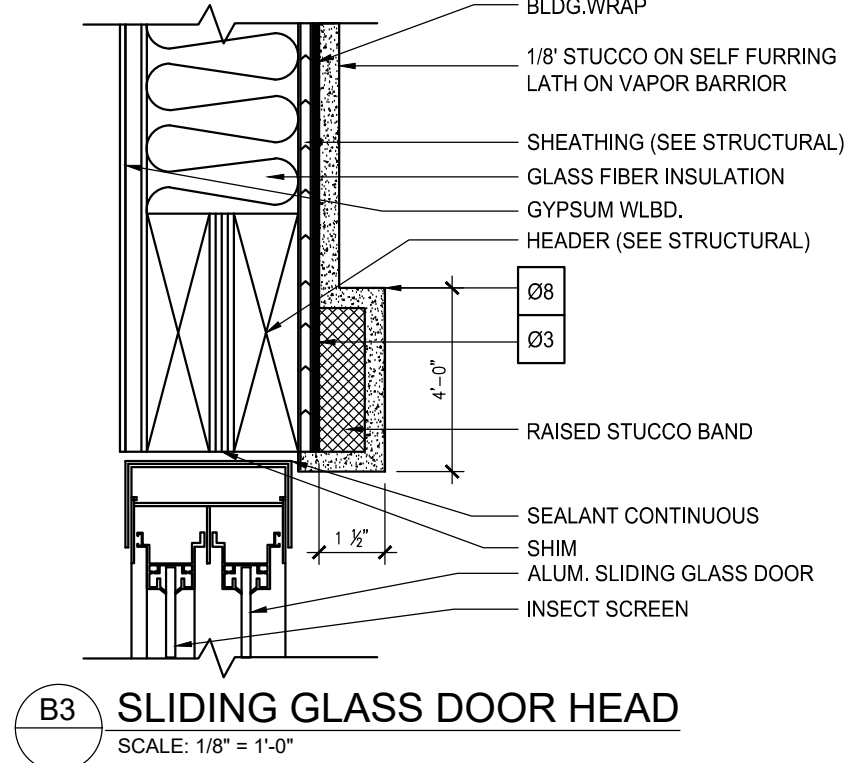
**EMERGENCY
EGRESS OPENING
TYPICAL NOTES**

PER SECTION 1005.4

SILL HIGHT. SHALL BE NOT MORE THAN 44" ABOVE THE FLOOR.
THE MIN NET CLEAR OPENING HEIGHT DIMENSION SHALL BE 22".
THE MIN NET CLEAR OPENING WIDTH DIMENSION SHALL BE 20".
THE MIN. NET CLEAR OPENING SHALL IN NO CASE BE LESS THAN 4 SQ.FT.
ALL EGRESS WINDOWS SHALL HAVE A MIN. OF 5 SQ.FT. @ GRND FLR & A MIN. OF 5.7 SQ.FT. @ 2ND STORY WINDOW

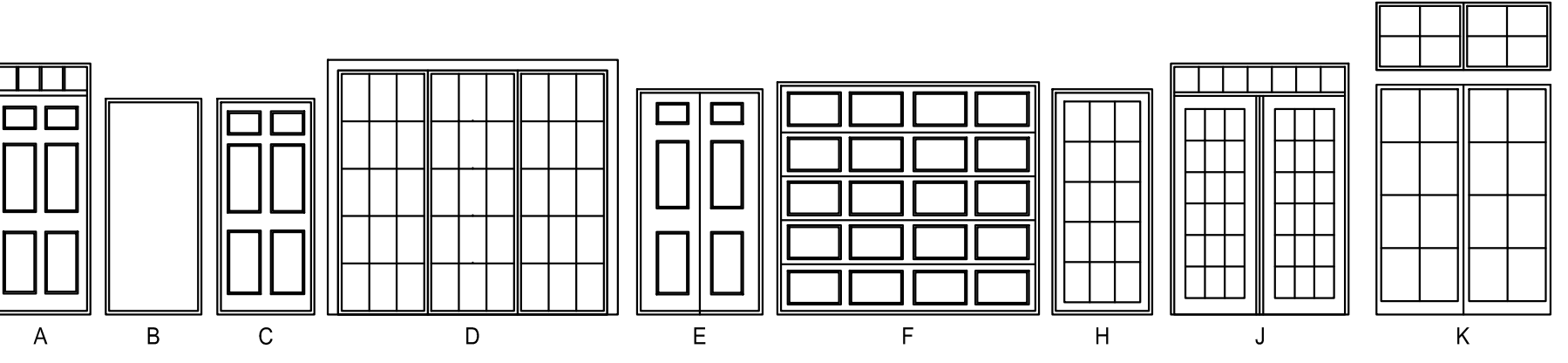
NOTES:

- SC-SOLID CORE HC HOLLOW CORE
- ALL INTERIOR WOOD DOORS TO BE MASONITE FACE. SEE SPECS.
- UNDERCUT DOORS 1/2" WHERE REQUIRED FOR RETURN AIR FLOW.
- ALTERNATE BATHROOM DOOR SWINGS FOR HANDICAPPED REQUIRED AT FIRST FLOOR - SEE FLOOR PLAN ON ALL 300 SERIES SHEETS.
- LEVER HARDWARE AT GROUND FLOOR ENTRY DOORS. PER ADA REG.
- ALL GLASS AREAS IS AFF. AND SIDELIGHTS TO DOORS SHALL BE.
- ALL GARAGE DOORS TO BEE WIND TEST CERTIFIED.
- PROVIDE 45 MIN. RATED WOOD JAMB ASSEMBLIES PER SEC 1994. SECTION 705.1322
- ALL WINDOWS & SIDELIGHTS W/ SILL 18" OR LESS ABOVE FLOOR SHALL HAVE TEMPERED GLASS.
- ALL WINDOWS & SIDELIGHTS W/ SILL 18" OR LESS ABOVE FLOOR SHALL HAVE TEMPERED SAFETY GLASS.



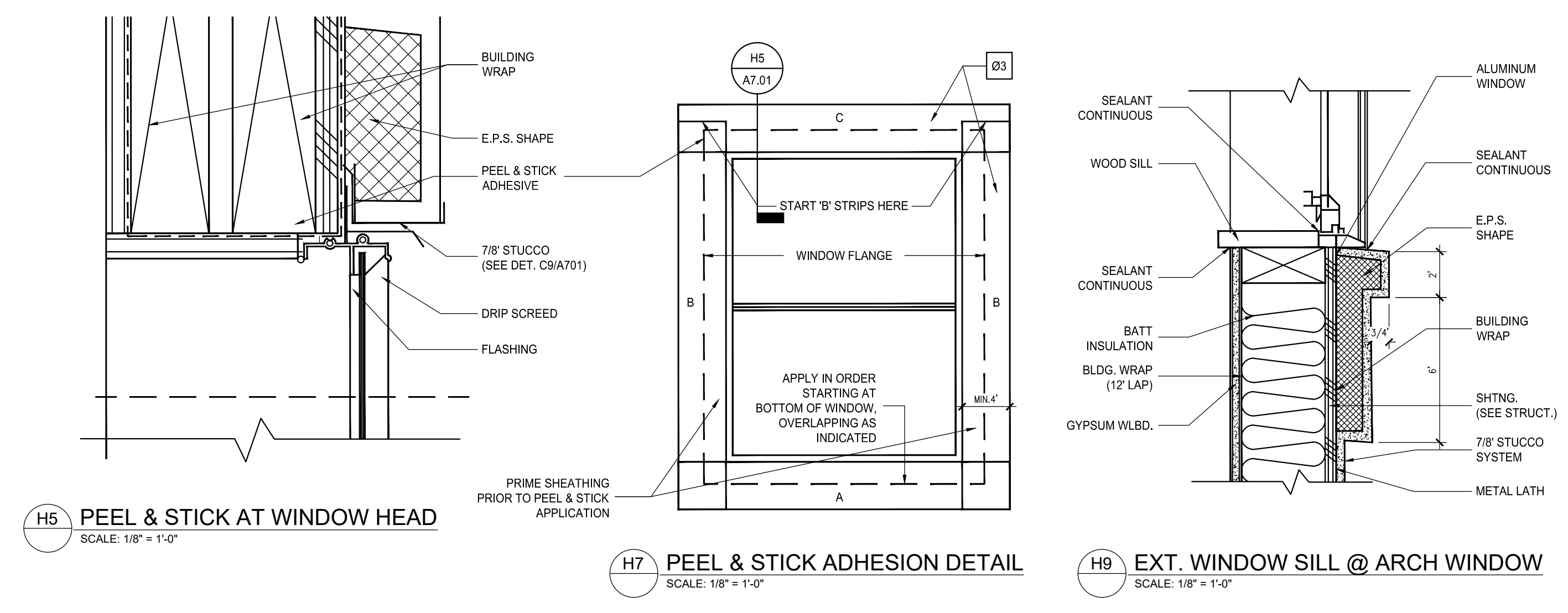
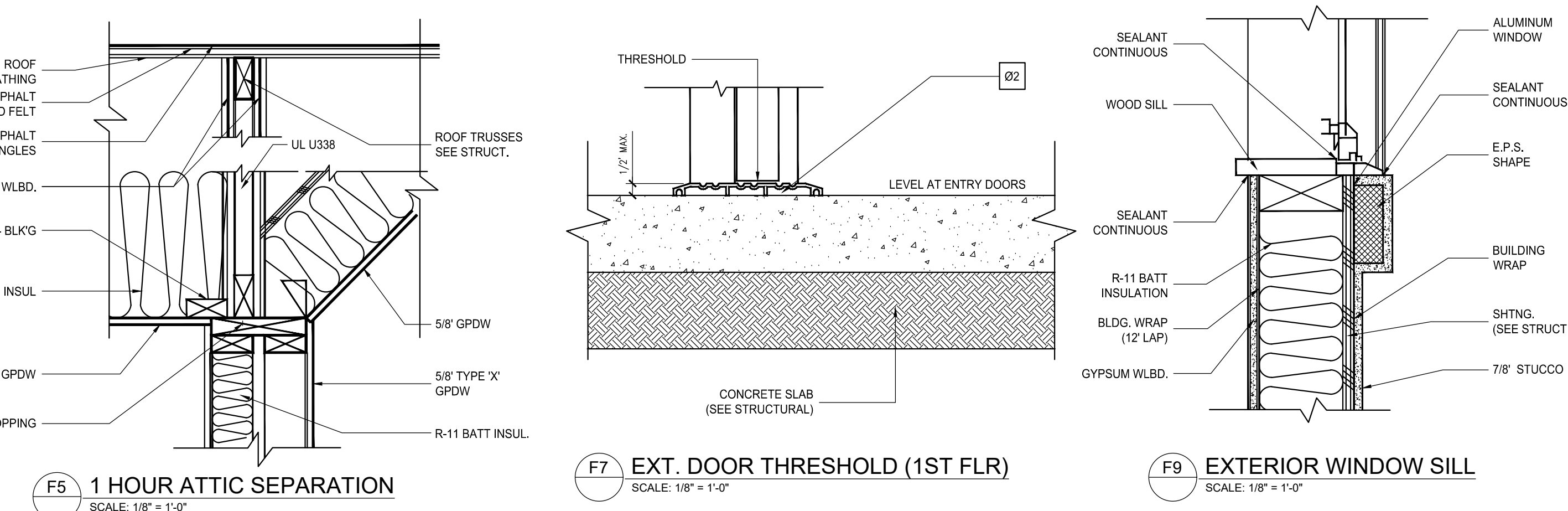
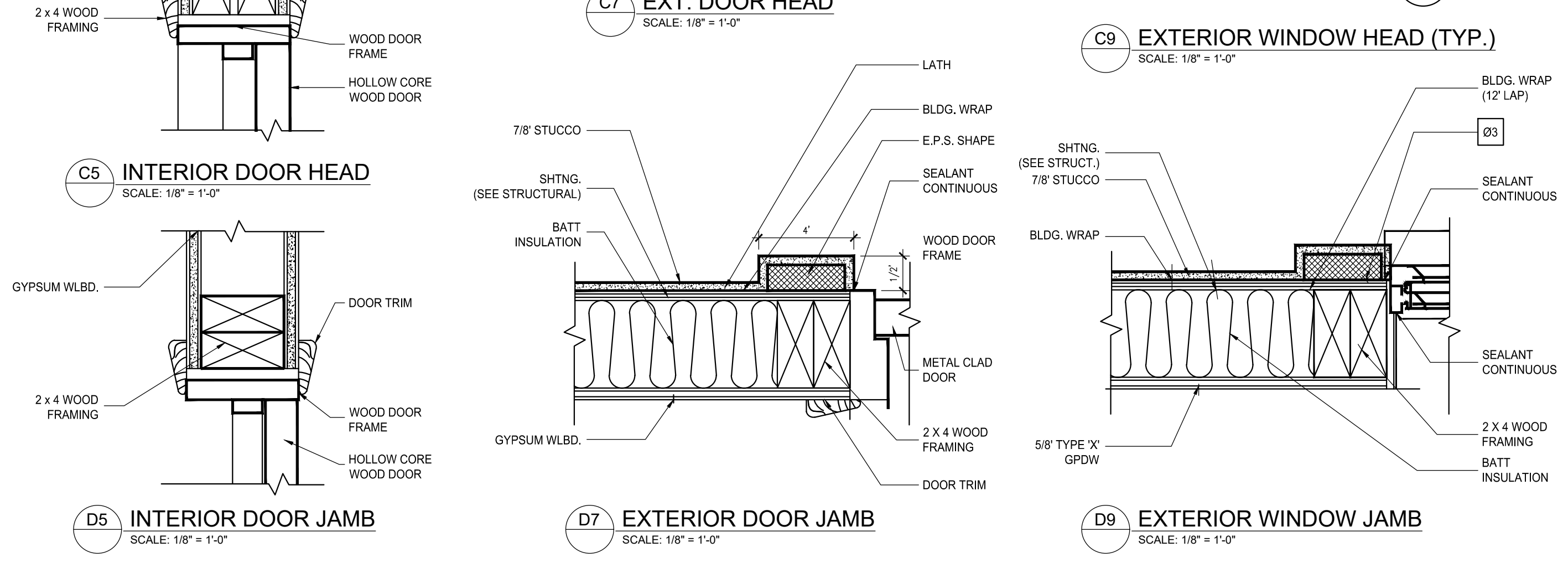
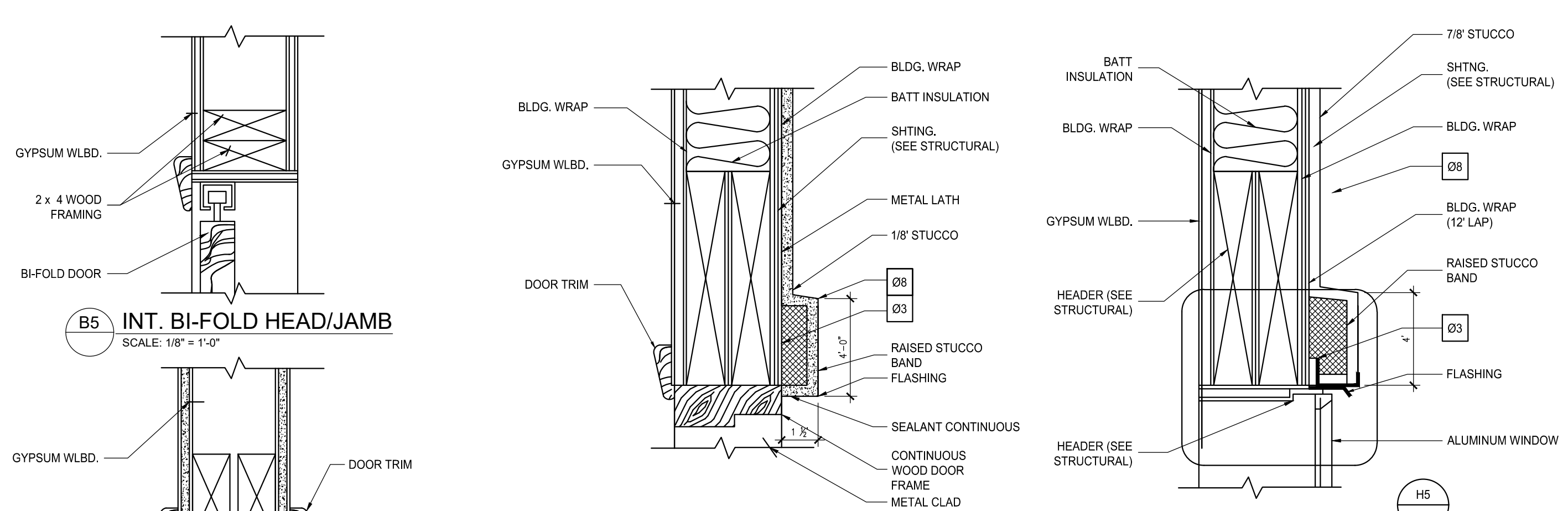
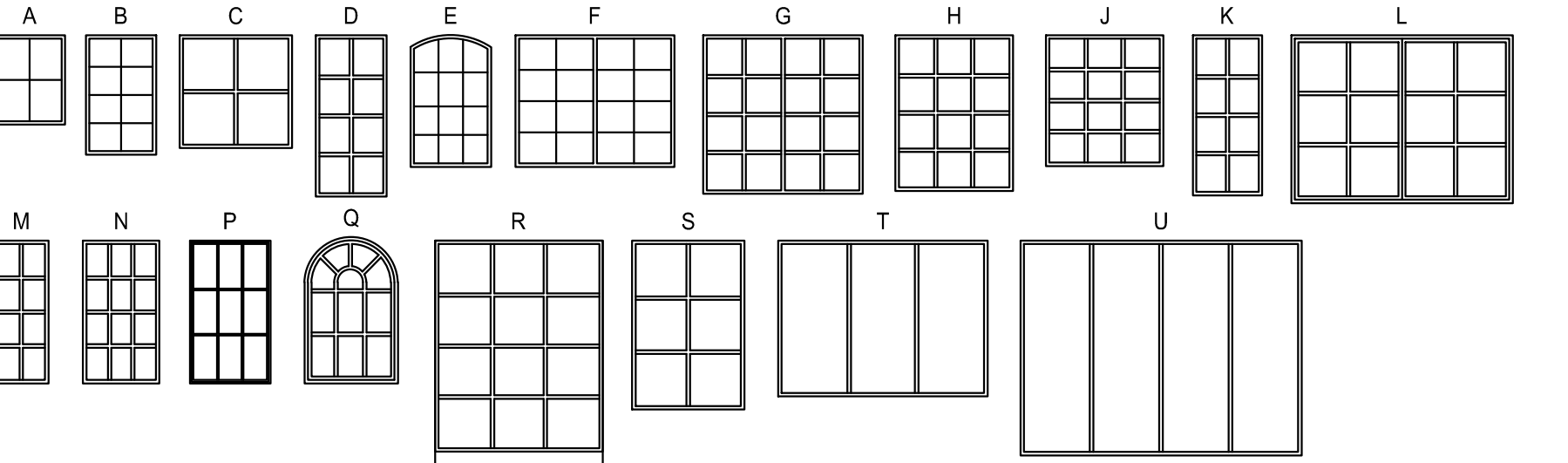
DOOR SCHEDULE

DOOR NUMBER	DOOR TYPE	WIDTH	HEIGHT	THICK	MATL	MATL HEAD	JAMB	THRESH	HDWR	RATING	REMARKS	NOTES	
D-01	A	3'-0"	6'-8"	1 3/4"	MTL	WD	C7	D7	F1	-	30 MIN.	PANELED W/ 8" TRANSOM, NOTE #5	EXISTING
D-02	C	3'-0"	6'-8"	1 3/4"	WD	WD	C5	D5	-	-	-	PANELED	EXISTING
D-03	B	3'-0"	6'-8"	-	WD	WD	C5	D5	-	-	-	-	EXISTING
D-04	E	2'-6"	6'-8"	-	WD	-	B5	-	-	-	-	BI-FOLD	EXISTING
D-05	E	5'-0"	6'-8"	-	WD	-	B5	-	-	-	-	PAIR BI-FOLD	EXISTING
D-06	E	3'-0"	6'-8"	-	WD	-	B5	-	-	-	-	BI-FOLD	EXISTING
D-07	C	1'-10"	6'-8"	1 3/4"	MTL	-	C5	D5	-	-	45 MIN.	PANELED - 45 MIN. RATED (NOTE #8)	EXISTING
D-08	F	9'-0"	7'-0"	-	MTL	-	-	-	-	-	-	O.H. DOOR (NOTE #7) 12'-0" WIDE AT MAINT.	EXISTING
D-09	D	9'-0"	8'-0"	1 3/4"	MTL	MTL	B3	-	-	-	-	SLIDING GLASS DOOR -15 PANEL	EXISTING
D-10	J	PR 3'-0"	8'-0"	1 3/4"	MTL	WD	C7	D7	F1	-	-	PAIR FRENCH DOORS W/ TRANSOM	NEW
D-11	C	3'-0"	8'-0"	1 3/4"	MTL	WD	C5	D5	-	-	-	6 PANEL	NEW
D-12	C	3'-0"	6'-8"	1 3/4"	MTL	WD	C5	D5	-	-	30 MIN.	PANELED W/ 8" TRANSOM, INSULATED, NOTE #5	EXISTING
D-13	B	3'-0"	6'-8"	1 3/4"	MTL	WD	C7	D7	F1	-	-	-	EXISTING
D-14	H	6'-0"	6'-8"	1 3/4"	MTL	WD	C7	D7	F1	-	-	PAIR FRENCH DOORS	EXISTING
D-15	C	3'-0"	8'-0"	1 3/4"	MTL	HM	C5	D5	-	-	-	6 PANEL	EXISTING
D-16	C	3'-0"	6'-8"	1 3/4"	MTL	MTL	C7	D7	F1	-	-	-	EXISTING
D-17	B	2'-6"	6'-8"	1 3/4"	MTL	MTL	C5	D5	-	-	-	-	EXISTING
D-18	B	3'-0"	6'-8"	1 3/4"	MTL	MTL	C5	D5	-	-	-	-	EXISTING
D-19	K	PR 3'-0"	8'-0"	1 3/4"	MTL	WD	C7	D7	F1	-	-	FRENCH DOORS W/ 2'-0" x 6'-0" TRANSOM	EXISTING
D-20	B	PR 3'-0"	6'-8"	1 3/4"	MTL	MTL	B7/A702	D5/A702	F5/A702	-	1 1/2 HR	-	EXISTING
D-21	B	3'-0"	8'-0"	1 3/4"	MTL	MTL	B7/A702	D5/A702	F5/A702	-	-	-	EXISTING



WINDOW SCHEDULE

SYMBOL	WINDOW TYPE	MATL	WIDTH	HEIGHT	GLAZING TYPE	THICK	FRAME TYPE	HEAD	JAMB	SILL	REMARKS	NOTES
A	S.H.	ALUM	2'-8"	3'-4"	SGL	3/32"	ALUM	C9	D9	F9	-	EXISTING
B	S.H.	ALUM	2'-8"	4'-6"	SGL	3/32"	ALUM	C9	D9	F9	-	EXISTING
C	FIXED	ALUM	4'-0"	4'-0"	SGL	3/32"	ALUM	-	-	-	-	EXISTING
D	S.H.	ALUM	3'-0"	6'-0"	SGL	3/32"	ALUM	C9	D9	H9	-	EXISTING
E	S.H.	ALUM	3'-0"	5'-0"	SGL	3/32"	ALUM	C9	D9	H9	ARCH-TOP	EXISTING
F	S.H.	ALUM	PR 3'-0"	5'-0"	SGL	3/32"	ALUM	C9	D9	F9	MULLED TOGETHER	EXISTING
G	S.H.	ALUM	PR 3'-0"	6'-0"	SGL	3/32"	ALUM	C9	D9	F9	MULLED TOGETHER	EXISTING
H	S.H.	ALUM	4'-6"	6'-0"	SGL	3/32"	ALUM	C9	D9	F9	-	EXISTING
J	S.H.	ALUM	4'-6"	5'-0"	SGL	3/32"	ALUM	C9	D9	F9	-	EXISTING
K	FIXED	ALUM	3'-0"	6'-0"	SGL	3/32"	ALUM	-	-	-	-	EXISTING
L	FIXED	ALUM	PR 2'-0"	3'-0"	SGL	3/32"	ALUM	C9	D9	F9	MULLED TOGETHER	EXISTING
M	S.H.	ALUM	1'-6"	5'-0"	SGL	3/32"	ALUM	C9	D9	F9	-	EXISTING
N	S.H.	ALUM	2'-6"	5'-0"	SGL	3/32"	ALUM	C9	D9	F9	-	EXISTING
P	FIXED	ALUM	2'-8"	4'-6"	SGL	3/32"	ALUM	-	-	-	-	EXISTING
Q	FIXED	ALUM	2'-8"	4'-6"	SGL	3/32"	ALUM	-	-	-	ARCH-TOP	EXISTING
R	FIXED	ALUM	6'-0"	8'-0"	SGL	3/32"	ALUM	-	-	-	-	EXISTING
S	FIXED	ALUM	4'-0"	6'-0"	SGL	3/32"	ALUM	-	-	-	-	EXISTING
T	FIXED	ALUM	6'-0"	5'-0"	SGL	1/2"	ALUM	-	-	-	BUTT GLAZED - TEMPERED SAFETY GLASS	EXISTING
U	FIXED	ALUM	8'-0"	8'-0"	SGL	1/2"	ALUM	-	-	-	BUTT GLAZED - TEMPERED SAFETY GLASS	EXISTING



- GENERAL NOTES:**
- REFER TO BUILDING PLANS FOR GYPSUM WALLBOARD THICKNESS AND RATING OF ALL PARTITIONS.
 - SET THRESHOLD IN FULL BED OF SILICON SEALANT.
 - INSTALL 40 MIL. PEEL & STICK FLASHING AT ALL WINDOW HEAD, JAMB AND SILL TYPICAL.
 - INSTALL 60 MIL. ELECTROMETRIC MEMBRANE.
 - 24 GAUGE GALV. L-METAL 4" x 6".
 - 26 GAUGE COUNTER FLASHING 3" x 4".
 - 22" x 36" ATTIC ACCESS.
 - SLOPE TO DRAIN.



**COLLINS GENERAL
CONTRACTING, LLC**
1485 N ATLANTIC AVE, SUITE 113
COCOA BEACH FL, 32931

CAPITAL VACATIONS CLUBHOUSE
3000 BONFIRE BEACH DRIVE
KISSIMMEE, FLORIDA 34746

REVISION

1		
2		
3		
4		
5		
6		

PROJECT NO. CDS-25-011
DATE: 10/8/25
DRAWN: TT
CHECKED: KRL
SCALE: AS SHOWN
SHEET No:

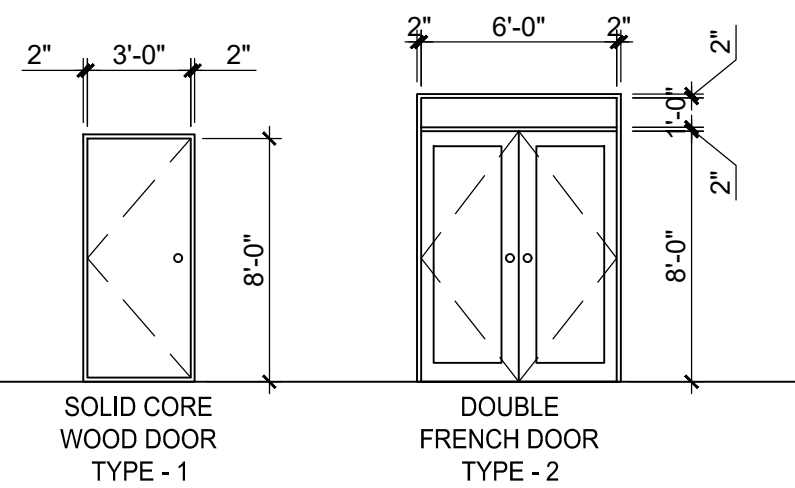
J:\Shared\02_Projects\02_CDS Architectural Projects\Runway Beach Club\CAD\25_011 New T-Block\CDS_25-011 A-402

J:\Shared\02_Projects\02_CDS Architectural Projects\Runway Beach Club\CAD\25_011 New T-Block\CDS_25-011 A-600

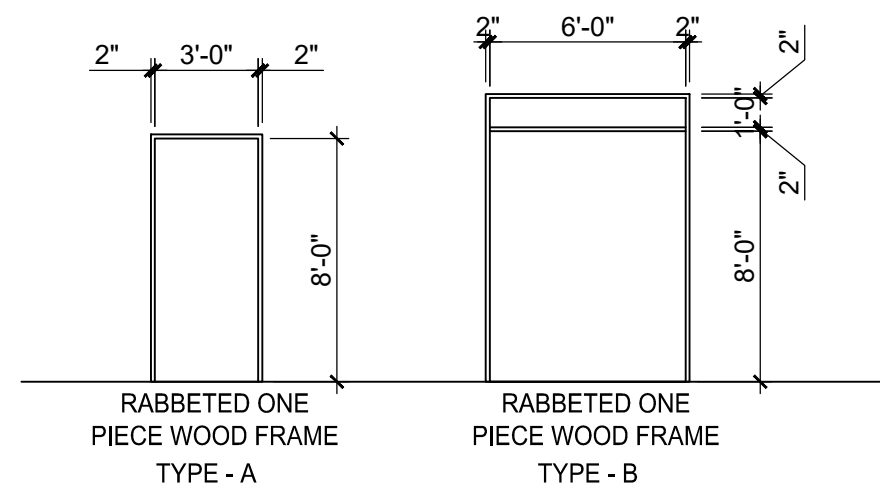
DOOR SCHEDULE

DOOR NUMBER	DOOR				FRAME					FIRE RATING	HDWR SET	REMARKS	
	TYPE	MATERIAL	FINISH	SIZE	TYPE	MATERIAL	FINISH	JAMB	HEAD				SILL
EXIST TO REMAIN	-	-	-	-	-	-	-	-	-	-	-	-	-
D01	1	SC WD	PAINTED	3'-0" x 8'-0"	A	HM	PAINTED	1	1	1	N/A	4	3'-0" MIN. CLR. OPENING WITH DOOR FULLY OPENED SHALL BE PROVIDED
D02	1	SC WD	PAINTED	3'-0" x 8'-0"	A	HM	PAINTED	1	1	1	N/A	4	3'-0" MIN. CLR. OPENING WITH DOOR FULLY OPENED SHALL BE PROVIDED
D03	1	SC WD	PAINTED	3'-0" x 8'-0"	A	HM	PAINTED	1	1	1	N/A	4	3'-0" MIN. CLR. OPENING WITH DOOR FULLY OPENED SHALL BE PROVIDED
D-04	1	SC WD	PAINTED	3'-0" x 8'-0"	A	HM	PAINTED	1	1	1	N/A	4	3'-0" MIN. CLR. OPENING WITH DOOR FULLY OPENED SHALL BE PROVIDED
D05	1	SC WD	PAINTED	3'-0" x 8'-0"	A	HM	PAINTED	1	1	1	N/A	1	3'-0" MIN. CLR. OPENING WITH DOOR FULLY OPENED SHALL BE PROVIDED
D06	1	SC WD	PAINTED	3'-0" x 8'-0"	A	HM	PAINTED	1	1	1	N/A	2	3'-0" MIN. CLR. OPENING WITH DOOR FULLY OPENED SHALL BE PROVIDED
D07	1	SC WD	PAINTED	3'-0" x 8'-0"	A	HM	PAINTED	1	1	1	N/A	4	3'-0" MIN. CLR. OPENING WITH DOOR FULLY OPENED SHALL BE PROVIDED
D08	1	SC WD	PAINTED	3'-0" x 8'-0"	A	HM	PAINTED	1	1	1	N/A	4	3'-0" MIN. CLR. OPENING WITH DOOR FULLY OPENED SHALL BE PROVIDED
D09	1	SC WD	PAINTED	3'-0" x 8'-0"	A	HM	PAINTED	1	1	1	N/A	4	3'-0" MIN. CLR. OPENING WITH DOOR FULLY OPENED SHALL BE PROVIDED
D10	1	SC WD	PAINTED	3'-0" x 8'-0"	A	HM	PAINTED	1	1	1	N/A	4	3'-0" MIN. CLR. OPENING WITH DOOR FULLY OPENED SHALL BE PROVIDED
D11	1	SC WD	PAINTED	3'-0" x 8'-0"	A	HM	PAINTED	1	1	1	N/A	1	3'-0" MIN. CLR. OPENING WITH DOOR FULLY OPENED SHALL BE PROVIDED
D12	1	SC WD	PAINTED	3'-0" x 8'-0"	A	HM	PAINTED	1	1	1	N/A	4	3'-0" MIN. CLR. OPENING WITH DOOR FULLY OPENED SHALL BE PROVIDED
D13	2	ALUM / GLASS	ANODIZED	6'-0" x 8'-0"	B	ALUM	ANODIZED	1	1	1	N/A	5	6'-0" MIN. CLR. OPENING WITH DOOR FULLY OPENED SHALL BE PROVIDED

DOOR TYPES



DOOR FRAME



1 DOOR SCHEDULE

SCALE: N.T.S.

HARDWARE NOTES

- ADJUST ALL CLOSERS TO A 5 LB. MAX. OPENING FORCE.
- PROVIDE DOOR SIGNAGE PER SCHEDULE AS MANUFACTURER BY "BEST MANUFACTURING SIGN SYSTEMS" HC 300 ADA SYSTEM, (800) 235-BEST OR APPROVED EQUAL. MEN & WOMEN SIGNS: HC300A. OTHER NAMES: HC300E BACKGROUND COLOR: BLACK 101 BORDER, LETTERING, AND BRAILLE: WHITE 949. SIGNS SHALL BE MOUNTED WITH CENTERLINE 60" ABOVE FINISH FLOOR.
- CONTRACTOR TO SUBMIT TYPE WRITTEN SHOP DRAWINGS AND PRODUCT LITERATURE FOR ALL DOORS AND HARDWARE SPECIFIED. PREPARED BY A LICENSED AND CERTIFIED CONSULTANT.
- ALL EXTERIOR HOLLOW CORE METAL DOORS ARE TO BE INSULATED. DOOR AND FRAME TO BE SHOP PRIMED AND PAINTED.
- ALL LOCK & PASSAGE SETS TO BE BEST COMMERCIAL GRADE OR BETTER. SUBMIT OTHERS FOR APPROVAL. LOCKS NEED TO BE REKEYABLE.
- DOOR DETEX SYSTEMS MUST BE IN COMPLIANCE WITH SPECIAL EGRESS CONTROL DEVICES LISTED IN LOCAL CODES.
- SUBMIT DETAILED HARDWARE SCHEDULE FOR ARCHITECT'S APPROVAL.
- ALL DOORS AND HARDWARE TO COMPLY WITH N.F.P.A. 101-7.2.1.5.
- ALL DOORS AND HARDWARE TO COMPLY WITH A.D.A. AND CODE OF FEDERAL REGULATION, UTILIZING A LEVER LATCH OR LOCKSET.
- A LATCH OR OTHER FASTENING DEVICE SHALL BE PROVIDED WITH ONLY ONE KNOB, HANDLE, PANIC BAR OR OTHER SIMPLE TYPE OF RELEASING DEVICE THAT IS OBVIOUS UNDER ALL LIGHTING CONDITIONS. DOORS SHALL BE OPENABLE WITH NO MORE THAN ONE RELEASING DEVICE. NFPA 101, 7.2.1.5.9.

- NOTES: PROVIDE SOLID CORE WOOD DOORS WITH HOLLOW METAL FRAMES WITH FOLLOWING REQUIREMENTS:
- FACE VENEER TO BE BIRCH AT DOORS. (VERIFY WITH OWNER)
 - DOORS TO BE PAINTED.
 - DOOR DIMENSIONS TO BE 1 3/4" THICK 3'-0" WIDE AND 7'-0" TALL.
 - HOLLOW METAL FRAMES TO BE FACTORY PRIMED AND SITE PAINTED.
- IF APPLICABLE, PROVIDE INSULATED GLASS DOOR W/ ALUM. SASH IN EXTERIOR WINDOW WALL W/ THE FOLLOWING REQUIREMENTS:
- INSULATED GLASS TO BE TEMPERED AT DOOR, SIDELIGHT & ADJACENT GLAZING
 - ALUM. DOOR SASH & FRAME TO MATCH THAT OF EXIST. MFR MODEL, & FINISH.
 - SEE PLAN FOR DOOR WIDTH.

LOCKSETS AND KEYING

FINAL CORE PROCESS FOR LOCKSETS & KEYING:
1. THE SUBCONTRACTORS WILL INSTALL ALL DOORS, FRAMES, HARDWARE AND LOCKSETS, DETEXES, AND ENTRANCE DOORS.

3 DOOR HARDWARE & NOTES

SCALE: N.T.S.

HARDWARE SCHEDULE

FINISH: BRUSHED CHROME (BEST)

HARDWARE SET #1

- 3 EA. HINGES
- 1 EA. LEVERED - PASSAGE LOCKSET KC 37 N 15 D S3 626" PASSAGE LEVER 1 EA. FLOOR OR WALL STOP SILENCERS

HARDWARE SET #2

- 6 EA. HINGES
- 1 EA. LEVERED STORAGE LOCKSET KC 37 D 15 D S3 626" STORE ROOM LEVER 1 EA. FLOOR OR WALL STOP SILENCERS

HARDWARE SET #3

- 3 EA. HINGES
- 1 EA. LEVERED PRIVACY LOCKSET KC 37 L 15 D S3 626" PRIVACY LEVER 1 EA. FLOOR OR WALL STOP 1 EA. CLOSER SILENCERS

HARDWARE SET #4

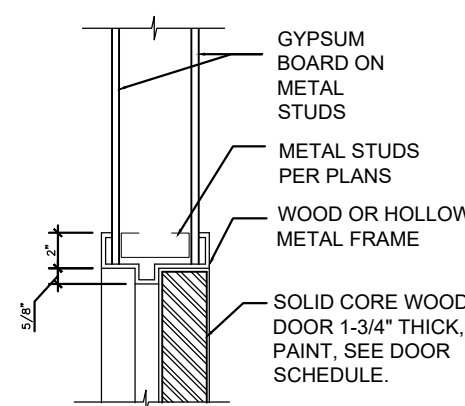
- 3 EA. HINGES
- 1 EA. LEVERED OFFICE LOCKSET KC 37 AB 15 D S3 626" STANDARD ENTRY 1 EA. FLOOR OR WALL STOP SILENCERS

HARDWARE SET #5

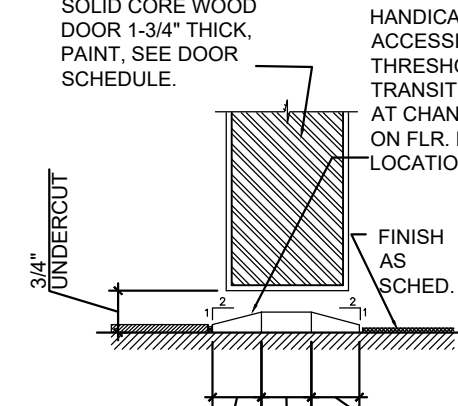
- 6 EA. HINGES
- 1 EA. LEVER STORAGE LOCKSET, STRIKE KC 37 D 15 D S3 626" STORE ROOM LEVER 1 EA. DUMMY LEVER 1 EA. PULL HANDLES 1 EA. FLUSH BOLTS 2 EA. FLOOR STOPS SILENCERS

4 HARDWARE SCHEDULE

SCALE: N.T.S.



HEAD/JAMB TYPE 1



SILL TYPE 1

5 HEAD, JAMB & SILL

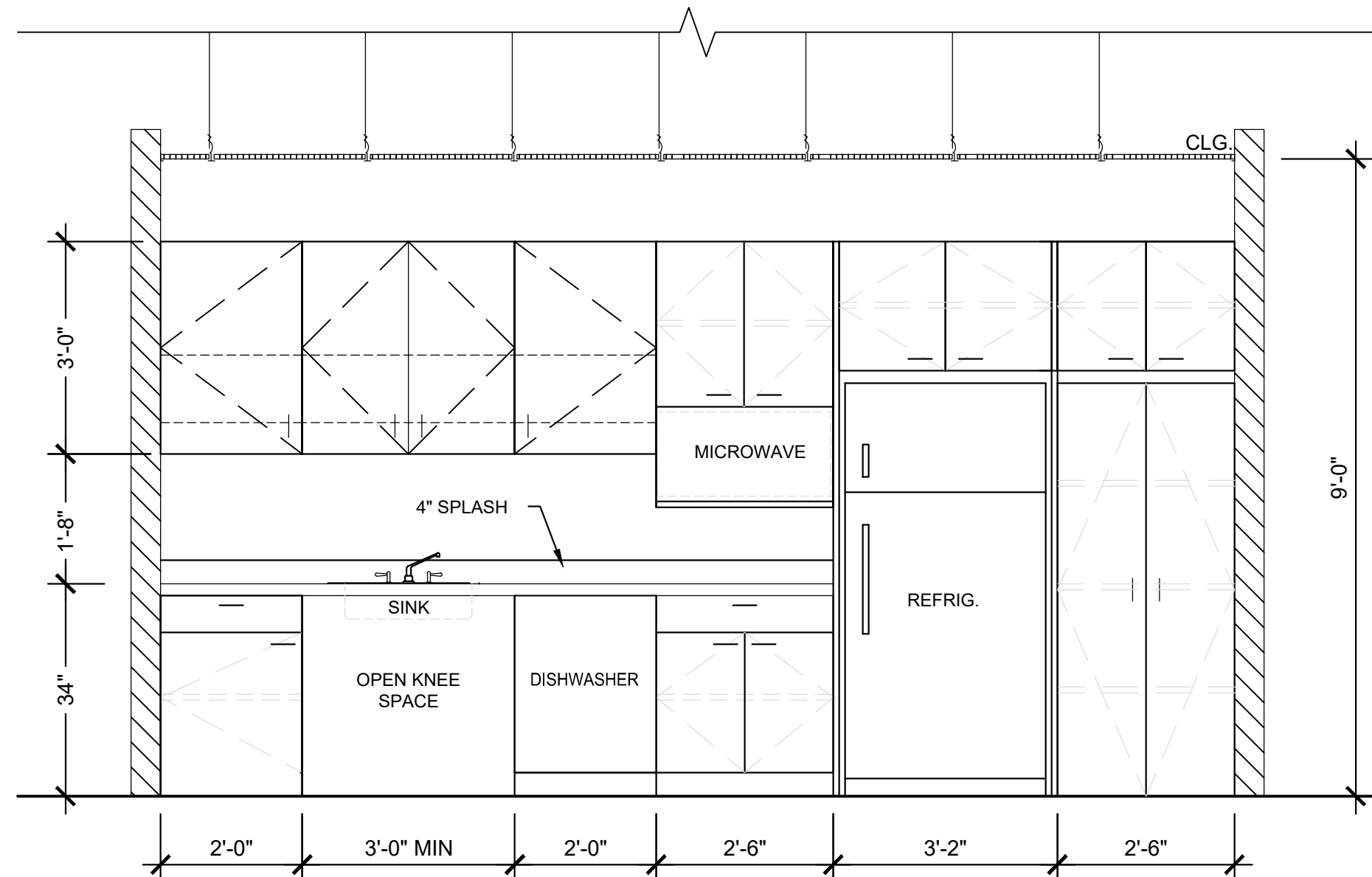
SCALE: N.T.S.

ROOM FINISH SCHEDULE

RM NO.	ROOM	FLOOR	BASE	WALLS	CEILING	REMARKS
101	FOYER	LUXURY VINYL PLANK	VINYL	TAPE, SPACKLED, PAINTED	VERIFY EXISTING	PROVIDE NEW FINISHES
102	CHECK IN COUNTER	LUXURY VINYL PLANK	VINYL	TAPE, SPACKLED, PAINTED	VERIFY EXISTING	PROVIDE NEW FINISHES
103	OFFICE	LUXURY VINYL PLANK	VINYL	TAPE, SPACKLED, PAINTED	VERIFY EXISTING	PROVIDE NEW FINISHES
104	OFFICE	LUXURY VINYL PLANK	VINYL	TAPE, SPACKLED, PAINTED	VERIFY EXISTING	PROVIDE NEW FINISHES
105	OFFICE	LUXURY VINYL PLANK	VINYL	TAPE, SPACKLED, PAINTED	VERIFY EXISTING	PROVIDE NEW FINISHES
106	COMFORT ROOM (WOMEN)	CERAMIC TILE	CERAMIC	CERAMIC TILE (FULL HEIGHT)	VERIFY EXISTING	REPLACE AS NEEDED.
107	COMFORT ROOM (MEN)	CERAMIC TILE	CERAMIC	CERAMIC TILE (FULL HEIGHT)	VERIFY EXISTING	REPLACE AS NEEDED.
108	MECHANICAL ROOM	SEALED CONCRETE	N/A	PAINTED CMU	VERIFY EXISTING	REPLACE AS NEEDED.
109	HALL	LUXURY VINYL PLANK	VINYL	TAPE, SPACKLED, PAINTED	VERIFY EXISTING	REPLACE AS NEEDED.
110	NEW CV OFFICE	LUXURY VINYL PLANK	VINYL	TAPE, SPACKLED, PAINTED	VERIFY EXISTING	REPLACE AS NEEDED.
111	NEW CV OFFICE	LUXURY VINYL PLANK	VINYL	TAPE, SPACKLED, PAINTED	VERIFY EXISTING	REPLACE AS NEEDED.
112	HALL	LUXURY VINYL PLANK	VINYL	TAPE, SPACKLED, PAINTED	VERIFY EXISTING	REPLACE AS NEEDED.
113	NEW CLOSET	LUXURY VINYL PLANK	VINYL	TAPE, SPACKLED, PAINTED	VERIFY EXISTING	REPLACE AS NEEDED.
114	NEW BREAK ROOM	LUXURY VINYL PLANK	VINYL	TAPE, SPACKLED, PAINTED	VERIFY EXISTING	REPLACE AS NEEDED.
115	NEW CONFERENCE ROOM	LUXURY VINYL PLANK	VINYL	TAPE, SPACKLED, PAINTED	ACOUSTICAL CEILING TILE	PROVIDE NEW FINISHES
116	NEW CV OFFICE	LUXURY VINYL PLANK	VINYL	TAPE, SPACKLED, PAINTED	ACOUSTICAL CEILING TILE	PROVIDE NEW FINISHES
117	NEW CV OFFICE	LUXURY VINYL PLANK	VINYL	TAPE, SPACKLED, PAINTED	ACOUSTICAL CEILING TILE	PROVIDE NEW FINISHES
118	NEW CV OFFICE	LUXURY VINYL PLANK	VINYL	TAPE, SPACKLED, PAINTED	ACOUSTICAL CEILING TILE	PROVIDE NEW FINISHES
119	HALL	LUXURY VINYL PLANK	VINYL	TAPE, SPACKLED, PAINTED	ACOUSTICAL CEILING TILE	PROVIDE NEW FINISHES
120	NEW CV OFFICE	LUXURY VINYL PLANK	VINYL	TAPE, SPACKLED, PAINTED	ACOUSTICAL CEILING TILE	PROVIDE NEW FINISHES
121	SEATING AREA	LUXURY VINYL PLANK	VINYL	TAPE, SPACKLED, PAINTED	VERIFY EXISTING	REPLACE AS NEEDED.
122	SALES RECEPTION	LUXURY VINYL PLANK	VINYL	TAPE, SPACKLED, PAINTED	VERIFY EXISTING	REPLACE AS NEEDED.
123	GROUP PRESENTATION ROOM	LUXURY VINYL PLANK	VINYL	TAPE, SPACKLED, PAINTED	VERIFY EXISTING	REPLACE AS NEEDED.
124	CV SALES MEETING	LUXURY VINYL PLANK	VINYL	TAPE, SPACKLED, PAINTED	VERIFY EXISTING	REPLACE AS NEEDED.
125	CV SALES FLOOR	LUXURY VINYL PLANK	VINYL	TAPE, SPACKLED, PAINTED	VERIFY EXISTING	REPLACE AS NEEDED.
126	HALL	LUXURY VINYL PLANK	VINYL	TAPE, SPACKLED, PAINTED	ACOUSTICAL CEILING TILE	PROVIDE NEW FINISHES
127	NEW CV OFFICE	LUXURY VINYL PLANK	VINYL	TAPE, SPACKLED, PAINTED	ACOUSTICAL CEILING TILE	PROVIDE NEW FINISHES
128	NEW FITNESS	LUXURY VINYL PLANK	VINYL	TAPE, SPACKLED, PAINTED	ACOUSTICAL CEILING TILE	PROVIDE NEW FINISHES
129	COMFORT ROOM (WOMEN)	CERAMIC TILE	CERAMIC	CERAMIC TILE (FULL HEIGHT)	VERIFY EXISTING	REPLACE AS NEEDED.
130	COMFORT ROOM (MEN)	CERAMIC TILE	CERAMIC	CERAMIC TILE (FULL HEIGHT)	VERIFY EXISTING	REPLACE AS NEEDED.
131	MECHANICAL ROOM	SEALED CONCRETE	N/A	PAINTED CMU	VERIFY EXISTING	REPLACE AS NEEDED.
132	HALL	LUXURY VINYL PLANK	VINYL	TAPE, SPACKLED, PAINTED	VERIFY EXISTING	REPLACE AS NEEDED.
133	VERANDA	NON-SLIP CERAMIC TILE	CERAMIC	PAINTED CMU	VERIFY EXISTING	REPLACE AS NEEDED.
134	HALL	LUXURY VINYL PLANK	VINYL	TAPE, SPACKLED, PAINTED	VERIFY EXISTING	REPLACE AS NEEDED.
135	NEW HOA OFFICE	LUXURY VINYL PLANK	VINYL	TAPE, SPACKLED, PAINTED	VERIFY EXISTING	REPLACE AS NEEDED.
136	EXISTING CV OFFICE	LUXURY VINYL PLANK	VINYL	TAPE, SPACKLED, PAINTED	VERIFY EXISTING	REPLACE AS NEEDED.

6 ROOM FINISH SCHEDULE

SCALE: N.T.S.



2 BREAK ROOM ELEVATION

SCALE: N.T.S.



COLLINS GENERAL CONTRACTING, LLC
1485 N ATLANTIC AVE, SUITE 113
COCOA BEACH FL, 32931

CAPITAL VACATIONS CLUBHOUSE
3000 BONFIRE BEACH DRIVE
KISSIMMEE, FLORIDA 34746

REVISION	DATE	BY
1		
2		
3		
4		
5		
6		

PROJECT NO. CDS-25-011
DATE: 1/30/2026
DRAWN: TT
CHECKED: KRL
SCALE: AS SHOWN
SHEET No: A-600

ELECTRICAL SPECIFICATIONS

GENERAL

- ALL WORK SHALL BE IN ACCORDANCE WITH THE 2020 NATIONAL ELECTRICAL CODE (N.E.C.), 2023 FLORIDA ENERGY CONSERVATION CODE (8TH EDITION), ALL LOCAL CODES, ORDINANCES, REGULATIONS AND UTILITY POWER AND TELEPHONE COMPANY STANDARDS.
- ALL WIRE SHALL BE COPPER TYPE "THHN" FOR SIZES UP TO #8 AND TYPE "THW" FOR #6 AND LARGER (UNLESS OTHERWISE NOTED). MINIMUM WIRE SIZE SHALL BE #12 AWG.
- ALL BRANCH AND FEEDER CIRCUITS SHALL CONTAIN A SEPARATE GROUNDING CONDUCTOR AND SHALL BE SIZED AND BONDED IN ACCORDANCE WITH ARTICLE 250 OF THE N.E.C.
- ALL CONDUIT INSTALLED IN INTERIOR LOCATIONS SHALL BE TYPE E.M.T. WITH COMPRESSION FITTING CONNECTORS AND COUPLINGS. ALL CONDUIT INSTALLED IN EXTERIOR LOCATIONS, ABOVE GRADE, SHALL BE GALVANIZED RIGID CONDUIT. ALL CONDUIT BELOW GRADE SHALL BE SCHEDULE 40 PVC. ALL CONDUITS SHALL BE CONCEALED. THE USE OF MC CABLE IS ACCEPTABLE.
- CONTRACTOR TO COORDINATE THE LOCATION OF RECEPTACLES, CONTROL CIRCUITS, COMMUNICATIONS AND DATA OUTLETS, LIGHTING FIXTURES AND DEVICES WITH THE OWNER'S REPRESENTATIVE PRIOR TO INSTALLATION.
- DRAWINGS ARE DIAGRAMMATIC - CONTRACTOR SHALL REFER TO ARCHITECTURAL, CIVIL AND STRUCTURAL DRAWINGS AND FIELD CONDITIONS FOR ALL DIMENSIONS.
- CONTRACTOR SHALL OBTAIN AND FURNISH ALL PERMITS REQUIRED. PROVIDE ALL LABOR, MATERIALS, EQUIPMENT, APPLIANCES AND TOOLS TO PERFORM ALL WORK NECESSARY FOR THE COMPLETE EXECUTION OF THE ELECTRICAL WORK AS SHOWN ON THE DRAWINGS. PROVIDE WORK NOT SPECIFICALLY SHOWN OR SPECIFIED, YET REQUIRED TO INSURE PROPER AND COMPLETE OPERATION OF ALL SYSTEMS AND TO SATISFY THE DESIGN INTENT IN THE WORK AND TO COMPLY WITH ALL APPLICABLE CODES AND REGULATIONS.
- THE DRAWINGS INDICATE THE GENERAL ARRANGEMENT OF CIRCUITS AND OUTLETS. LOCATIONS OF SWITCHES PANEL BOARDS, CONDUITS AND OTHER WORK, PRIOR FIELD VERIFICATION OF ALL DIMENSIONS IS REQUIRED. CONDUIT RUNS AND GROUNDING ARE SHOWN DIAGRAMMATICALLY ONLY. FIELD VERIFY ACTUAL ROUTING OF CONDUITS.
- ANY PENETRATIONS MADE THROUGH A FIRE RATED ASSEMBLY SHALL BE PROPERLY SEALED TO MAINTAIN THE FIRE RATING OF THE ASSEMBLY PER U.L. AND NFPA.
- THE WORK SHALL INCLUDE REVISIONS, DEMOLITION, MODIFICATIONS AND REWORK OF THE EXISTING FACILITY AND SYSTEMS AS REQUIRED FOR INSTALLATION OF NEW WORK, AND FOR CONNECTIONS BETWEEN EXISTING WORK AND NEW WORK WHERE REQUIRED. THE WORK SHALL ALSO INCLUDE THE COMPLETION OF ELECTRICAL POWER AND CONTROL CIRCUITS, FOR DEVICES AND EQUIPMENT THAT ARE TO REMAIN IN SERVICE, IF THE CIRCUITS ARE BROKEN BY DEMOLITION WORK OR BY THE REMOVAL OR CUTTING OF EXISTING BUILDING CONSTRUCTION, EXISTING DEVICES OR EQUIPMENT. EXISTING CONDUIT WIRING SHALL BE REROUTED AND CONNECTED WHERE NECESSARY.
- EACH BIDDER SHALL INSPECT THE SITE AS REQUIRED FOR KNOWLEDGE OF EXISTING CONDITIONS PRIOR TO BIDDING AND FAILURE TO OBTAIN SUCH KNOWLEDGE SHALL NOT RELIEVE THE SUCCESSFUL BIDDER OF THE RESPONSIBILITY TO MEET EXISTING CONDITIONS IN PERFORMING THE WORK UNDER THIS CONTRACT.
- WHERE NEW WORK CANNOT BE INSTALLED WITHOUT CUTTING OR REMOVING EXISTING FACILITY OR SYSTEMS OR WHERE IT IS INDICATED ON DRAWINGS TO REWORK AN EXISTING INSTALLATION, THIS CONTRACT SHALL INCLUDE ALTERATIONS TO EXISTING WORK AS REQUIRED TO INSTALL NEW WORK. ADDITIONS TO THE CONTRACT COST WILL NOT BE ALLOWED BECAUSE OF THIS CONTRACTORS FAILURE TO INSPECT EXISTING CONDITIONS AT THE SITE OF THE WORK.
- PROVIDE HACR RATED CIRCUIT BREAKERS FOR ALL HVAC EQUIPMENT.
- CONTRACTOR SHALL COORDINATE WITH ALL OTHER TRADES TO MAINTAIN WORKING CLEARANCES AS REQUIRED PER NEC, AND FLORIDA BUILDING CODE.

CUTTING AND PATCHING

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

PAINTING

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

ACCEPTANCE TESTING

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

AS-BUILT DRAWINGS

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

PROTECTION

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

CODE COMPLIANCE REQUIREMENTS

ALL WORK SHALL BE IN COMPLIANCE WITH THE FOLLOWING CODES, BUT NOT LIMITED TO:
 8TH EDITION OF THE 2023 FLORIDA BUILDING CODE - BUILDING (FBCB)
 8TH EDITION OF THE 2023 FLORIDA BUILDING CODE - EXISTING BUILDING (FBCB)
 8TH EDITION OF THE 2023 FLORIDA BUILDING CODE - ACCESSIBILITY (FBCA)
 8TH EDITION OF THE 2023 FLORIDA BUILDING CODE - ENERGY CONSERVATION (FBCBEC)
 8TH EDITION OF THE 2023 FLORIDA BUILDING CODE - MECHANICAL (FBCM)
 8TH EDITION OF THE 2023 FLORIDA BUILDING CODE - PLUMBING (FBP)
 8TH EDITION OF THE 2023 FLORIDA BUILDING CODE - FUEL GAS (FBCFG)
 8TH EDITION OF THE 2023 FLORIDA FIRE PREVENTION CODE (FFPC)
 NFPA 70 - 2020 NATIONAL ELECTRICAL CODE (NEC)

ELECTRICAL LEGEND

- NOTES:** ELECTRICAL OUTLETS OR BOXES LOCATED ON OPPOSITE SIDES OF RATED WALLS OR PARTITIONS SHALL BE SEPARATED BY A HORIZONTAL DISTANCE OF NOT LESS THAN 24 INCHES
- FLUORESCENT FIXTURE, CEILING MOUNTED
 - LIGHTING FIXTURE, CEILING MOUNTED
 - LIGHTING FIXTURE, WALL MOUNTED
 - LIGHT TRACK WITH FIXTURES
 - CEILING EXIT LIGHT: SHADED QUADRANTS INDICATE LETTERED FACE(S)
 - WALL EXIT LIGHT: SHADED QUADRANTS INDICATE LETTERED FACE(S)
 - EMERGENCY LIGHT WITH BATTERY PACK AND ADJUSTABLE HEADS
 - DIMMER, MOUNTED @ 48" AFF
 - SINGLE POLE SWITCH, MOUNTED @ 48" AFF.
 - THREE WAY SWITCH, MOUNTED @ 48" AFF.
 - DUPLEX 20A, 125, 2P, 3W, GROUNDING RECEPTACLE, MOUNT @ 18" AFF
 - DUPLEX 20A, 125, 2P, 3W, GROUNDING RECEPTACLE, FLOOR MOUNT
 - GROUND FAULT INTERRUPT, 20A DUPLEX
 - SINGLE 250V NON-LOCKING TYPE RECEPTACLE
 - TELEPHONE OUTLET, MOUNTED @ 18" AFF
 - TELEVISION OUTLET, MOUNTED @ 18" AFF
 - DISCONNECT SWITCH, SIZE/POLES/FUSE
 - JUNCTION BOX, CEILING MOUNTED
 - JUNCTION BOX, WALL MOUNTED
 - PADDLE FAN
 - EXHAUST FAN CONNECTION (FAN BY DIV. 15)
 - DIGITAL ALARM COMMUNICATOR TRANSMITTER
 - FIRE ALARM PULL STATION
 - SMOKE DETECTOR CEILING MOUNTED
 - EXIST TO REMAIN
 - NEW POWER LAYOUT

ABBREVIATIONS

- AFF ABOVE FINISHED FLOOR
- C CONDUIT
- OR CEILING RECESSED MOUNTED
- CS CEILING SURFACE MOUNTED
- CT DEVICE MOUNTED ABOVE COUNTERTOP
- DS DISCONNECT SWITCH
- DN DOWN
- FDS FUSED DISCONNECT SWITCH
- G GRADE MOUNTED
- GFI GROUND FAULT INTERRUPTER
- GND GROUND
- IG ISOLATED GROUND
- JB JUNCTION BOX
- NIC NOT IN CONTRACT
- NTS NOT TO SCALE
- P POLE
- PD PENDANT MOUNTED
- PNL PANELBOARD
- Q QUADRAPLEX
- U UNIVERSAL MOUNTING
- UP DEVICE WIRED FOR PROTECTION BY UPSTREAM GFI
- W DEVICE MOUNTED AT 48"
- WP WEATHERPROOF COVERPLATE
- WR WALL RECESSED
- WS WALL SURFACE MOUNTED

MISCELLANEOUS

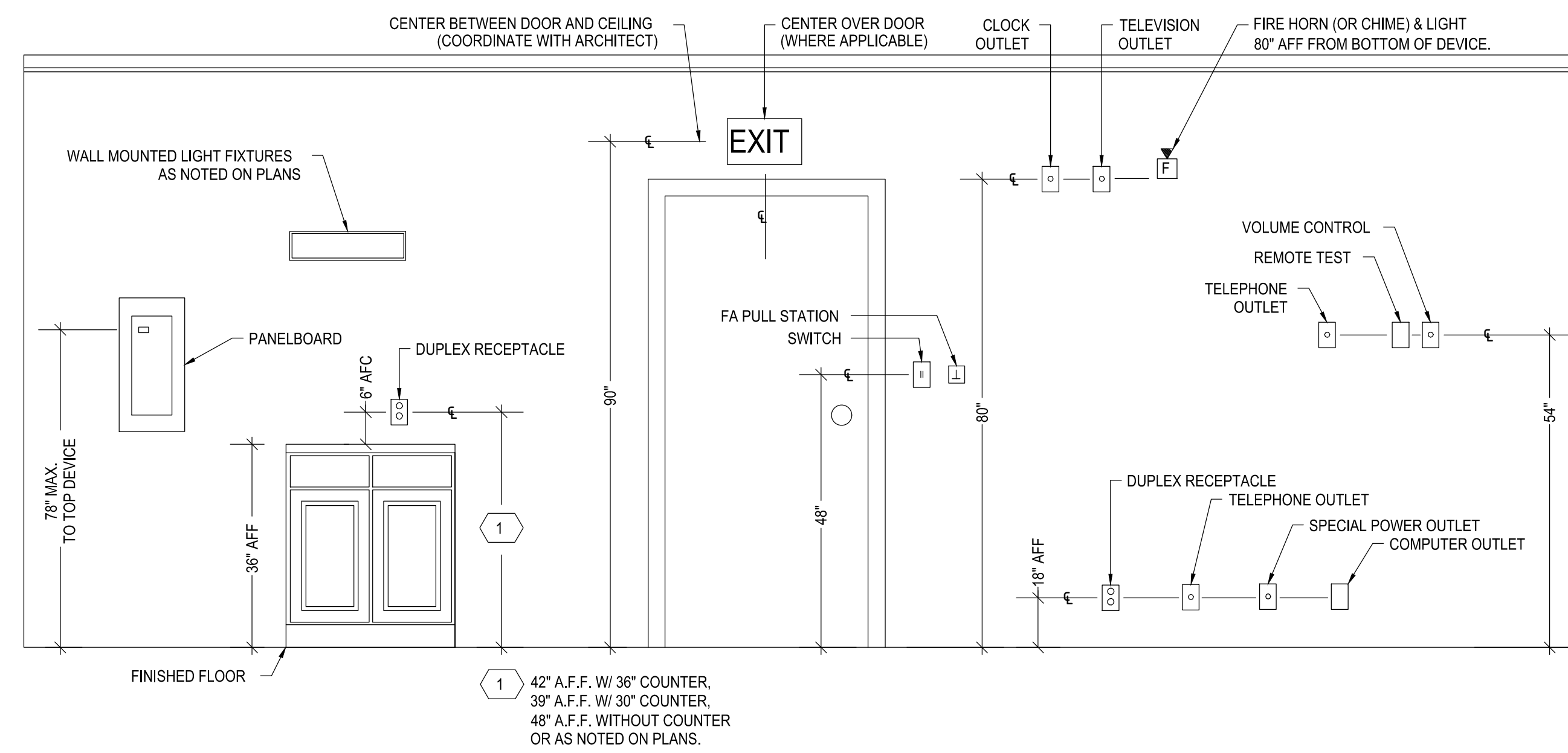
- TIME CLOCK
- SHEET NOTE CALLOUT
- REVISION REFERENCE
- WIRE CALLOUT
- LIGHT DASHED INDICATES EXISTING FIXTURE OR DEVICE
- DARK DASHED INDICATES EXISTING FIXTURE OR DEVICE RELOCATED
- DARK SOLID INDICATES NEW FIXTURE OR DEVICE
- HATCHED ITEMS INDICATES FIXTURE OR DEVICE TO BE REMOVED OR RELOCATED
- NOT IN CONTRACT (N.I.C.)
- LIGHTING SEQUENCE OF OPERATION CALLOUT
- RISER EQUIPMENT NOTES
- EQUIPMENT TAG
- POINT OF CONNECTION

ABBREVIATIONS

- A AMPERES
- AC ALTERNATING CURRENT OR AIR CONDITIONER
- ADA AMERICANS W/ DISABILITIES ACT
- AFC ABOVE FINISHED CEILING
- AFF ABOVE FINISHED FLOOR
- AFG ABOVE FINISHED GRADE
- AHU AIR HANDLING UNIT
- AIC AMPS INTERRUPTING CAPACITY
- AWG AMERICAN WIRE GAUGE
- C CONDUIT
- CATV CABLE TELEVISION
- CH COUNTER HEIGHT
- COND CONDUIT
- CJ COPPER OR CONDENSER UNIT
- DISC DISCONNECT
- ECB ENCLOSED CIRCUIT BREAKER
- EF EXHAUST FAN
- ELEC ELECTRICAL
- EM EMERGENCY
- EMS ENERGY MANAGEMENT SYSTEM
- EMT ELECTRICAL METALLIC TUBING
- ETR EXISTING TO REMAIN
- EWC ELECTRIC WATER COOLER
- EWH ELECTRIC WATER HEATER
- GRC GALVANIZED RIGID CONDUIT
- HVAC HEATING, VENTILATING AND AIR CONDITIONING
- J JUNCTION
- KAIC (THOUSAND) AMPERE INTERRUPTING CAPACITY
- KM THOUSAND OF CIRCULAR MILS
- KVA KILOVOLT-AMPERES
- KW KILOWATT
- LTG LIGHTING
- MCM THOUSANDS OF CIRCULAR MILS
- MCB MAIN CIRCUIT BREAKER
- MCP MOTOR CIRCUIT PROTECTION
- MCU MASTER OR MOTOR CONTROL UNIT
- MH METAL HALIDE
- MLO MAIN LUG ONLY
- N NEUTRAL
- NA NOT APPLICABLE
- NEC NATIONAL ELECTRICAL CODE
- NEM NATIONAL ELECTRICAL MANUFACTURERS ASS.
- NF NON-FUSED
- NFPA NATIONAL FIRE PROTECTION ASSOCIATION
- NIC NOT IN CONTRACT
- NL NIGHT LIGHT
- O.C. ON CENTER
- P POLE
- PNL PANELBOARD
- PVC POLYVINYL CHLORIDE
- RGS RIGID GALVANIZED STEEL
- RM ROOM
- RTU ROOF TOP UNIT
- SPEC SPECIFICATION
- SS SUPER SAVER OR STAINLESS STEEL
- TBB TELEPHONE/COMPUTER TERMINAL BOARD
- TYP TYPICAL
- UON UNLESS OTHERWISE NOTED
- V VOLTS
- VAV VARIABLE AIR VOLUME
- VFD VARIABLE FREQUENCY DRIVE
- W WIRE
- WP WEATHERPROOF

GENERAL NOTES

- ALL ELECTRICAL CONDUITS SHALL CARRY A SEPARATE GREEN INSULATED COPPER WIRE SIZED PER NEC UNLESS OTHERWISE INDICATED IN THE DRAWINGS.
- COORDINATE ELECTRICAL REQUIREMENTS FOR ALL EQUIPMENT TO BE INSTALLED BY OTHER TRADES.
- MULTI-BRANCH CIRCUITS IN A SINGLE CONDUIT TRAIL SHALL BE ALLOWED. WIRE SIZES MIGHT REQUIRE UPSIZING FOR CONDUITS CONTAINING MORE THAN 3 CURRENT CARRYING CONDUCTORS, AS REQUIRED BY THE DERATING GUIDELINES OF ARTICLE 310.15 IN THE 2020 NEC.
- BRANCH CIRCUIT FEEDER WIRE AND CONDUIT SIZES ARE INDICATED ON PANEL SCHEDULES.
- RESTROOM EXHAUST FANS SHALL BE CONTROLLED BY RESTROOM LIGHT SWITCH.
- REFER TO MECHANICAL PLANS FOR EXACT LOCATIONS AND REQUIREMENTS OF MECHANICAL EQUIPMENT.
- EMERGENCY LIGHTING AND EXIT LIGHTING CONNECTED AHEAD OF LOCAL SWITCH.
- FIRE ALARM DESIGN BY OTHERS. CONTRACTOR SHALL PROVIDE AND SUBMIT FULL SET OF FIRE ALARM DRAWINGS, DESIGNED, SIGNED AND SEALED BY A FLORIDA LICENSED ENGINEER.
- COORDINATE SIGN LIGHT LOCATION WITH OWNER/ARCHITECT.
- EXTERIOR LIGHTING AND SIGN LIGHTING SHALL BE CONTROLLED BY ASTRONOMICAL TIME CLOCK.
- CONTRACTOR SHALL ENGAGE THE ENGINEER TO INSPECT COMPONENTS AND FUNCTION OF LIGHTING CONTROL SYSTEM INSTALLED, AS PER THE 8TH EDITION OF THE FLORIDA BUILDING CODE ENERGY CONSERVATION SECTION C405 AND C408.3.1. ADDITIONAL ENGINEERING FEES MAY APPLY.
- WITHIN 90 DAYS AFTER THE DATE OF SYSTEM ACCEPTANCE, RECORD DRAWINGS OF THE ACTUAL INSTALLATION SHALL BE PROVIDED TO THE BUILDING OWNER AND CODE OFFICIAL, INCLUDING A SINGLE LINE DIAGRAM OF THE BUILDING'S ELECTRICAL DISTRIBUTION, AS REQUIRED PER THE 8TH EDITION OF THE FLORIDA BUILDING CODE - ENERGY CONSERVATION C408.3.2.
- ALL LIGHTING SHALL BE CONTROLLED BY OCCUPANCY SENSORS, AS MANUFACTURED BY WATT STOPPER OR EQUAL, UNLESS NOTED OTHERWISE. RESTROOMS EXHAUST FANS SHALL BE CONNECTED TO LIGHTING CIRCUIT AND CONTROL SWITCH UNLESS NOTED OTHERWISE. OCCUPANCY SENSORS TO BE DUAL TECHNOLOGY UNLESS NOTED OTHERWISE. CONTRACTOR SHALL CONSULT REPRESENTATIVE FOR TYPE AND PLACEMENT OF OCCUPANCY SENSORS AND PROVIDE SHOP DRAWINGS.
- THIS PROJECT IS IN COMPLIANCE WITH 8TH EDITION FBC-EC C405.5.3 & NEC 210.19 WITH REGARDS TO VOLTAGE DROP FOR BOTH DISTRIBUTION PANEL & DOWNSTREAM BRANCH CIRCUITS.
- AFTER WALLS ARE FRAMED, MARK ALL OUTLET, DATA, SWITCH, ETC. LOCATIONS ON THE GROUND AND CONFIRM LOCATION AND MOUNTING HEIGHTS WITH OWNER PRIOR TO ANY CONDUIT, ETC. IS INSTALLED.
- PROVIDE TAMPER - RESISTANT RECEPTACLES AS REQUIRED PER NEC 408.12.
- SURGE PROTECTION DEVICES (SPD) SHALL BY PO PROTECTION OR EQUAL. BRANCH PANELS: POC160, DISTRIBUTION PANELS: POC220, SERVICES 200A AND LARGER: POC300A AND LARGER: POC400. CONTRACTOR SHALL COORDINATE VOLTAGE REQUIRED FOR SURGE PROTECTION DEVICE(S), WHERE PANEL IS RECESSED, SPD SHALL BE RECESSED. INSTALL SPD PER MANUFACTURERS RECOMMENDATION.



MOUNTING HEIGHT DETAIL

N.T.S.

J:\Shared\02_Projects\02_CDS Architectural Projects\Runaway Beach Club\CAD\25_011 New T-Block\CDS_25-011 E-001



CLIENT: COLLINS GENERAL CAPITAL VACATIONS CLUBHOUSE 3000 BONFIRE BEACH DRIVE KISSIMMEE, FLORIDA 34746

PROJECT NAME: CAPITAL VACATIONS CLUBHOUSE 3000 BONFIRE BEACH DRIVE KISSIMMEE, FLORIDA 34746

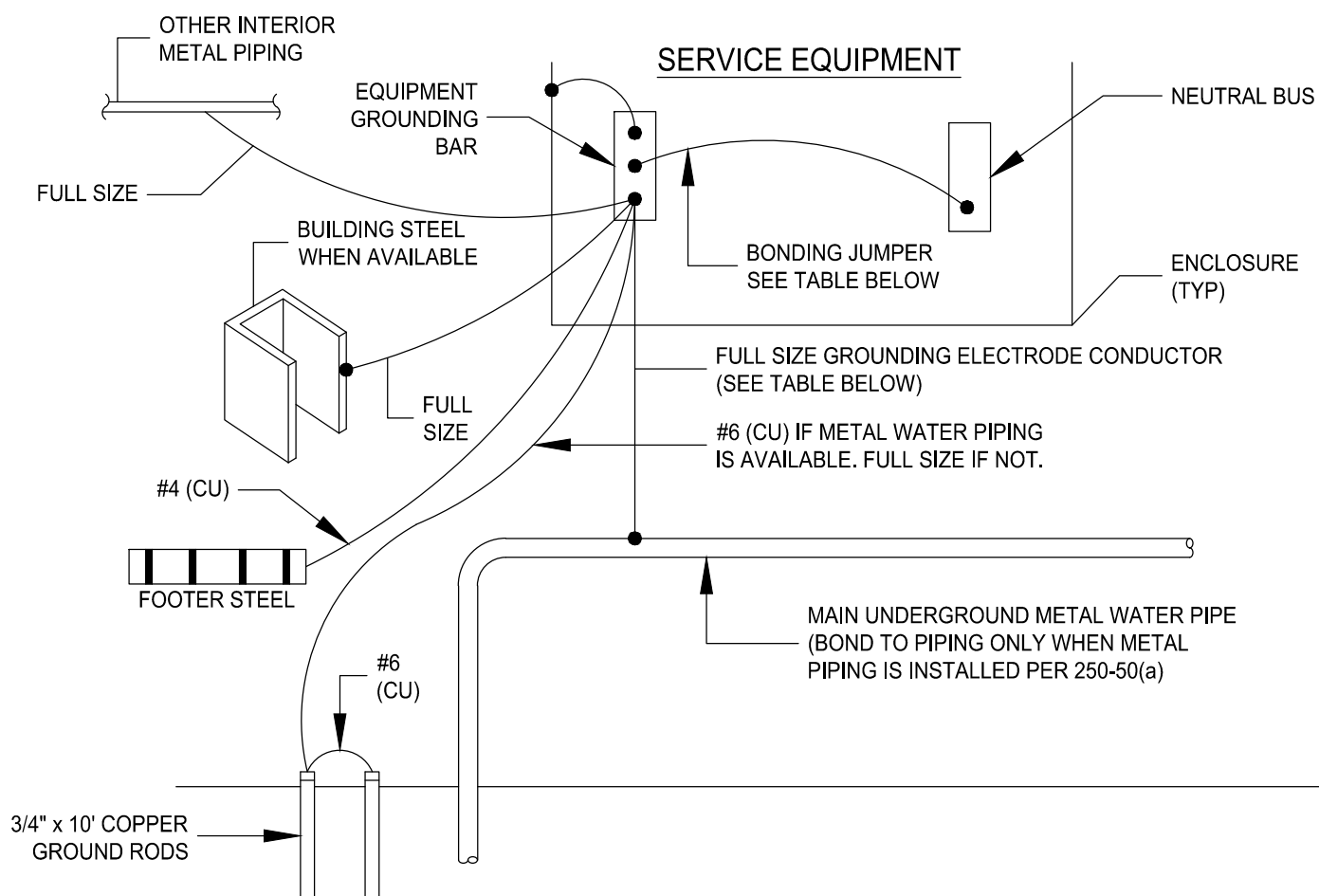
REVISION	DATE	BY
1		
2		
3		
4		
5		
6		

PROJECT NO. CDS-25-011
 DATE: 1/30/2026
 DRAWN: TT
 CHECKED: KRL
 SCALE: AS SHOWN
 SHEET No:

E-001

AMENITIES LIGHTING FIXTURE SCHEDULE							
MARK	MFG. & CAT. #	DESCRIPTION	LAMPS		MTD	VOLTS	REMARKS
			NO.	TYPE			
CA	DAYBRITE 2SM432-FS01-120	MODULAR FLUORESCENT	4	32W T8	CS	120	
CB	DAYBRITE CB217-B-120	WALL BRACKET	2	17W T8	WS	120	MOUNT ABOVE MIRROR
CC	DAYBRITE 1F296HO-PR	HIGH OUTPUT FLUORESCENT FIXTURE	2	96W F96 HO ES	CS	120	PROVIDE METAL GUARDS FOR EACH FIXTURE
CD	THOMAS LIGHTING SL466-8	GLOBE	1	60W A19	CS	120	
CE	PEACHTREE PFF-7213-C	DOWNLIGHT WITH CLEAR REFLECTOR	2	13W DTT	CR	120	WIRE LAMPS SEPARATELY WHERE SHOWN
CF	PROGRESS P6621-30	DOWNLIGHT WITH WHITE BAFFLE	1	100W PAR38	CR	120	
CG	SELECTED BY OWNER	PENDANT FIXTURE	-	-	CS	120	
CH	PEACHTREE PFF-8226-C	DOWNLIGHT WITH CLEAR REFLECTOR	2	26W QUAD	CR	120	WIRE LAMPS SEPARATELY WHERE SHOWN
CI	SELECTED BY OWNER	EXTERIOR DECORATIVE WALL LANTERN	-	-	WS	120	
CJ	PROGRESS P6660-29	LENSED DOWNLIGHT	2	13W QUAD	CR	120	
CL	DAYBRITE OWW232-120	WRAP AROUND FLUORESCENT	2	32W T8	CS	120	
X	CHLORIDE LSN	SELF-POWERED EXIT SIGN			U	120	CONNECT TO UNSWITCH LEG OF ROOM LIGHTING CIRCUIT
XA	CHLORIDE CEL	SELF-POWERED EMERGENCY LIGHT			WS	120	CONNECT TO UNSWITCH LEG OF ROOM LIGHTING CIRCUIT

NOTE: PROVIDE SIGNAGE CKT W/ 1200W LOAD



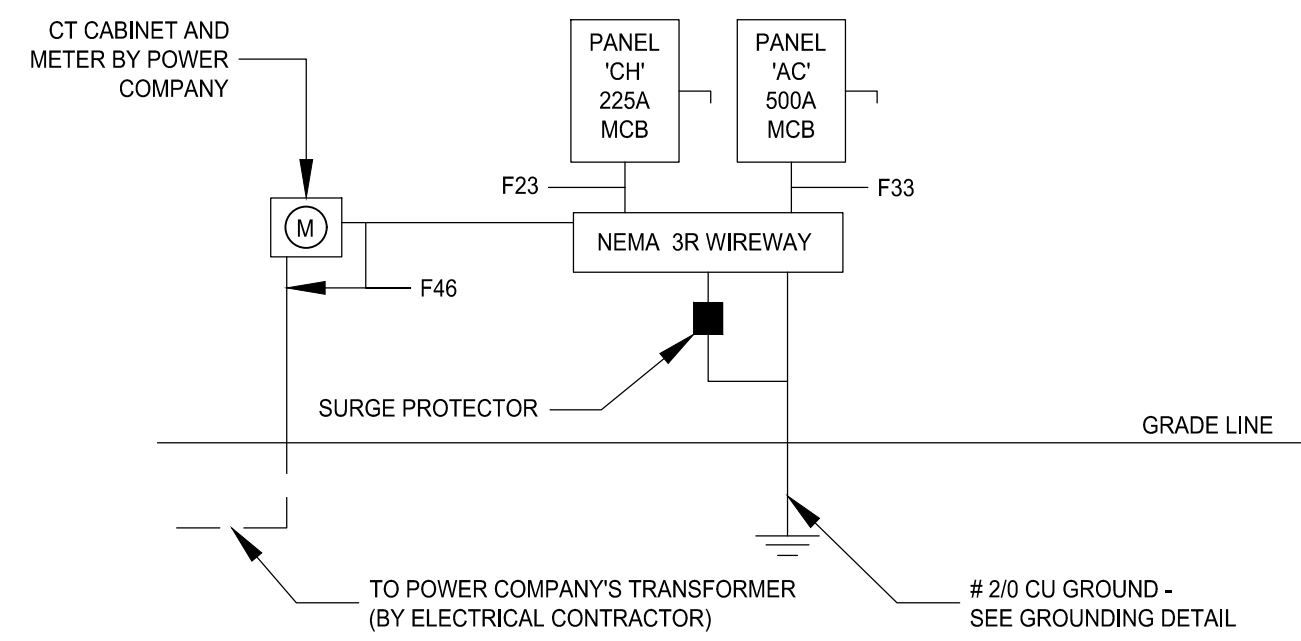
GROUNDING DETAIL
SCALE: NTS

SERVICE SIZE	GROUNDING ELECTRODE CONDUCTOR		BONDING JUMPER	
	COPPER	ALUM	COPPER	ALUM
100	#8	-	#8	-
150	#6	#4	#6	#4
200	#4	#2	#4	#2
300	#2	#1/0	#2	#1/0
400	#1/0	#3/0	#1/0	#3/0
500	#1/0	#3/0	#1/0	#3/0
600	#2/0	#4/0	#2/0	#4/0
700	#2/0	#4/0	#2/0	#4/0

PANEL BOARD SCHEDULE "CH"													
LOAD KVA	SERVICES	TRIP AMPS	225 A MAIN C.B. SURFACE MOUNTING		120/240 VOLTS 1 PHASE 3 WIRE, 60HZ.		NEMA 3R		SERVES	LOAD KVA			
			POLES	WIRE	SPACE NO.	GND	WIRE	POLES			TRIP AMPS	TRIP AMPS	
0.44	LIGHTS (1)	20	1	12	12	1	2	12	12	1	20	EWC	1.20
0.12	LIGHTS (1)	20	1	12	12	3	4	12	12	1	20	RECEPTACLES	1.20
0.20	LIGHTS	20	1	12	12	5	6	12	12	1	20	RECEPTACLES	1.20
1.20	LIGHTS	20	1	12	12	7	8	12	12	1	20	RECEPTACLES	1.00
1.20	LIGHTS	20	1	12	12	9	10	12	12	1	20	RECEPTACLES	1.00
0.72	LIGHTS	20	1	12	12	11	12	12	12	1	20	RECEPTACLES	0.80
1.20	SMALL APPLIANCES	20	1	12	12	13	14	12	12	1	20	RECEPTACLES	0.80
0.42	LIGHTS	20	1	12	12	15	16	12	12	1	20	SMALL APPLIANCES	1.20
0.48	LIGHTS	20	1	12	12	17	18	-	-	1	20	SPARE	-
0.81	LIGHTS	20	1	12	12	19	20	-	-	1	20	SPARE	-
0.18	LIGHTS	20	1	12	12	21	22	12	12	1	20	RECEPTACLES	1.20
0.15	LIGHTS	20	1	12	12	23	24	12	12	1	20	RECEPTACLES	1.20
0.21	LIGHTS	20	1	12	12	25	26	-	-	-	-	SPARE	-
0.43	LIGHTS	20	1	12	12	27	28	12	12	1	20	RECEPTACLES	0.60
1.20	LIGHTS	20	1	12	12	29	30	12	12	1	20	RECEPTACLES	0.80
0.50	DUCT	20	1	12	12	31	32	12	12	1	20	RECEPTACLES	1.00
1.20	REFRIGERATOR	20	1	12	12	33	34	12	12	1	20	RECEPTACLES	1.00
1.20	RECEPTACLES	20	1	12	12	35	36	12	12	1	20	RECEPTACLES	1.00
1.20	RECEPTACLES	20	1	12	12	37	38	12	12	1	20	RECEPTACLES	1.00
1.20	RECEPTACLES	20	1	12	12	39	40	12	12	1	20	RECEPTACLES	1.00
1.20	RECEPTACLES	20	1	12	12	41	42	-	-	1	20	SPARE	-

LOAD DESCRIPTION	CONN. LOAD	D.F.	CALC. LOAD
LIGHTING - KVA	7.76	1.25	9.70
RECEPTACLES - 1ST 10 KVA	10.00	1.00	10.00
RECEPTACLES - ABOVE 10 KVA	8.40	0.50	4.20
MOTORS - KVA	0.00	1.00	0.00
EQUIPMENT - KVA	6.50	1.00	6.50
OTHER - KVA	0.00	1.00	0.00
TOTAL - KVA	32.66		30.40

NOTES:
(1) PHOTOCELL CONTROLLED



CLUBHOUSE POWER RISER DIAGRAM
SCALE: NTS

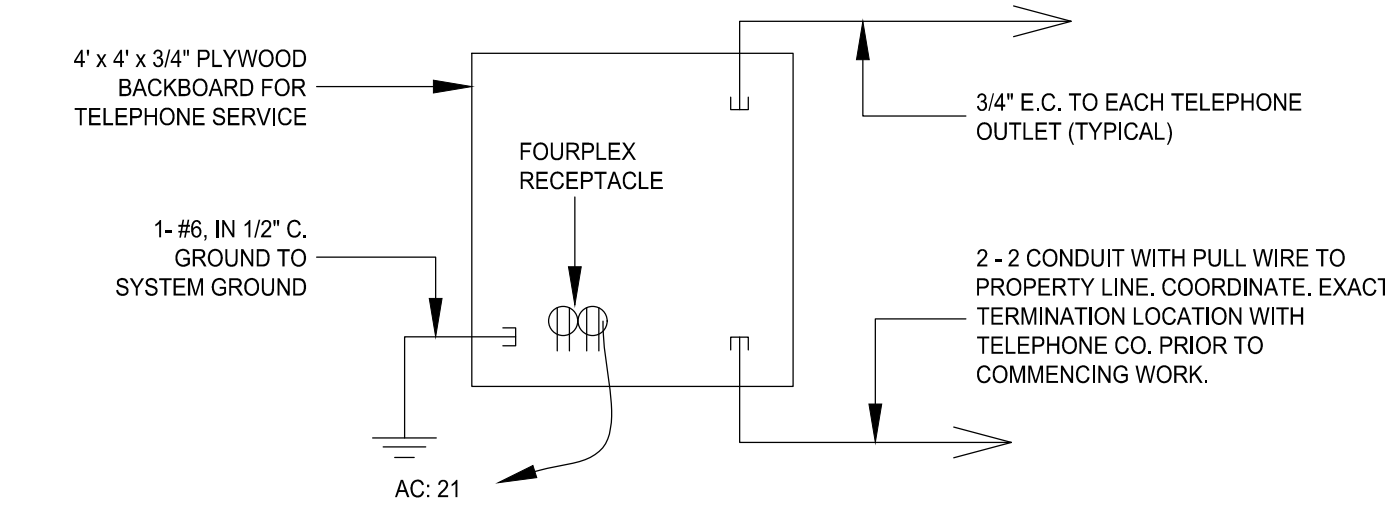
MARK	FEEDER SCHEDULE									
	COPPER					ALUMINUM				
	SETS	PHASE	NEUTRAL	GROUND	CONDUIT	SETS	PHASE	NEUTRAL	GROUND	CONDUIT
F23	1	2# 4/0	1# 4/0	1# 2	0'-2"	1	2# 300MCM	1# 300MCM	1# 2	2 - 1/2"
F33	2	2# 250MCM	1# 250MCM	1-1/0	2 - 1/2"	2	2# 350MCM	1# 350MCM	1-3/0	3"
F46	3	2# 250MCM	1# 250MCM	NONE	2 - 1/2"	3	2# 350MCM	1# 350MCM	NONE	3"
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-

NOTE:
(1) ALUMINUM CONDUCTORS MAY BE USED AS SHOWN, WHERE PERMITTED BY THE LOCAL AUTHORITIES.
(2) ALL CONDUCTORS SHALL BE RATED FOR USE WITH 75° CELSIUS TERMINATIONS.

PANEL BOARD SCHEDULE "AC"													
LOAD KVA	SERVICES	TRIP AMPS	500 A MAIN C.B. SURFACE MOUNTING		120/240 VOLTS 1 PHASE 3 WIRE, 60HZ.		NEMA 3R		SERVES	LOAD KVA			
			POLES	WIRE	SPACE NO.	GND	WIRE	POLES			TRIP AMPS	TRIP AMPS	
15.0	AHU-1	80	2	4	8	1	2	10	6	2	50	CU-1	-
-	-	-	-	-	-	-	-	3	4	-	-	-	-
15.0	AHU-2A	45	2	8	10	5	6	10	10	2	30	CU-2A	-
-	-	-	-	-	-	-	-	7	8	-	-	-	-
10.0	AHU-3	60	2	6	8	9	10	8	6	2	60	CU-3	-
-	-	-	-	-	-	-	-	11	12	-	-	-	-
10.0	AHU-4	60	2	6	8	13	14	8	6	2	60	CU-4	-
-	-	-	-	-	-	-	-	15	16	-	-	-	-
3.84	TREADMILL	20	1	12	12	17	18	12	12	1	20	TREADMILL	3.84
3.84	TREADMILL	20	1	12	12	19	20	12	12	1	20	ELLIPTICALS	3.84
0.50	TTB	20	1	12	12	21	22	12	12	1	20	ELLIPTICALS	3.84
4.70	WATER HEATER	25	2	12	12	23	24	-	-	-	-	-	-
-	-	-	-	-	-	-	-	25	26	-	-	-	-
15.0	AHU-2B	45	2	8	10	27	28	10	10	2	30	CU-2B	-
-	-	-	-	-	-	-	-	29	30	-	-	-	-
-	-	-	-	-	-	-	-	31	32	-	-	-	-
-	-	-	-	-	-	-	-	33	34	-	-	-	-
-	-	-	-	-	-	-	-	35	36	-	-	-	-
-	-	-	-	-	-	-	-	37	38	-	-	-	-
-	-	-	-	-	-	-	-	39	40	-	-	-	-
-	-	-	-	-	-	-	-	41	42	-	-	-	-

LOAD DESCRIPTION	CONN. LOAD	D.F.	CALC. LOAD
LIGHTING - KVA	0.00	1.25	0.00
RECEPTACLES - 1ST 10 KVA	0.00	1.00	0.00
RECEPTACLES - ABOVE 10 KVA	0.00	0.50	0.00
MOTORS - KVA	0.00	1.00	0.00
EQUIPMENT - KVA	89.4	1.00	89.4
OTHER - KVA	0.00	1.00	0.00
TOTAL - KVA	89.4		89.4

NOTES:



TELEPHONE BACKBOARD DETAILS
SCALE: NTS



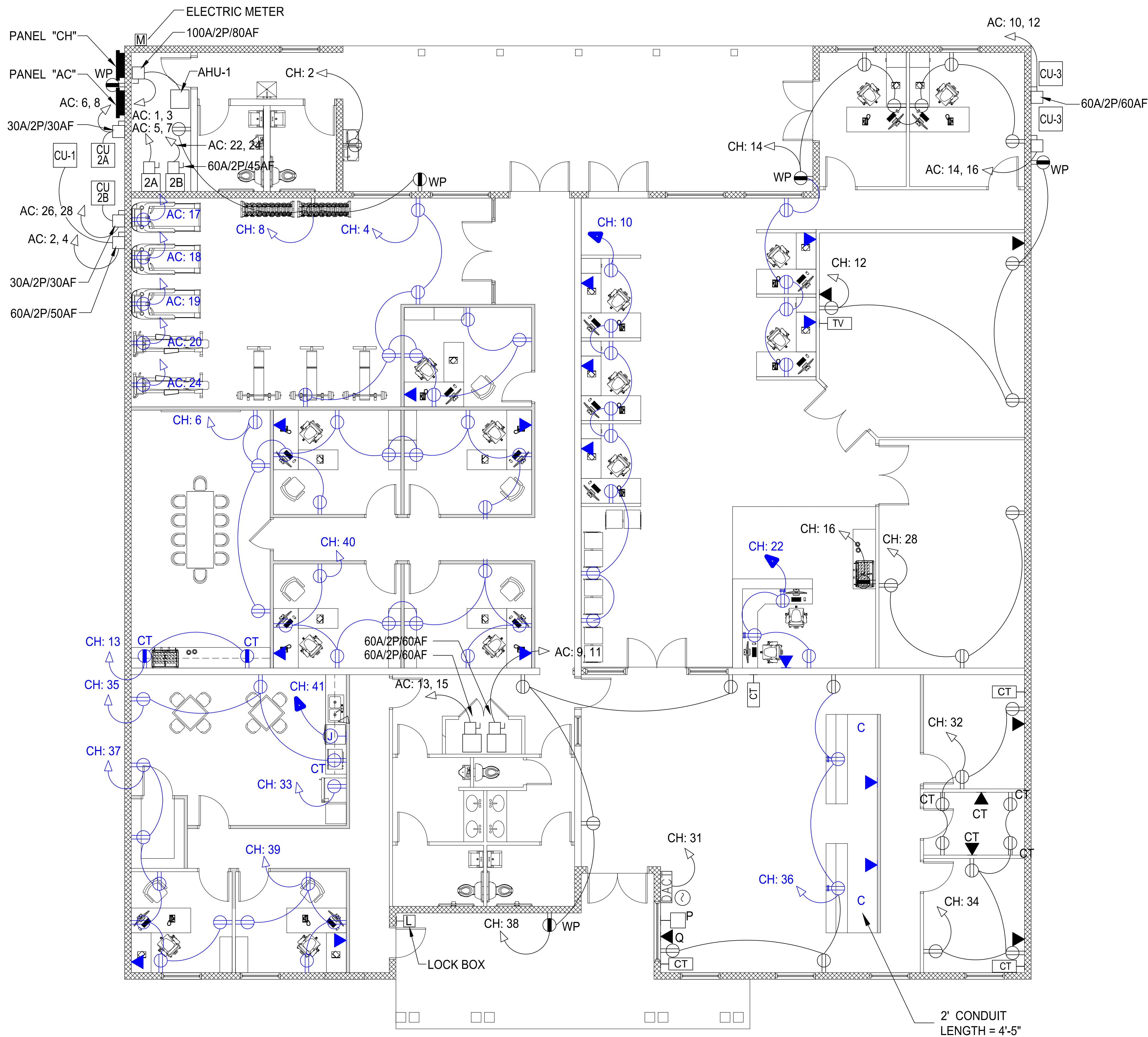
COLLINS GENERAL
CONTRACTING, LLC
1485 N ATLANTIC AVE, SUITE 113
COCOA BEACH FL, 32931

CAPITAL VACATIONS CLUBHOUSE
3000 BONFIRE BEACH DRIVE
KISSIMMEE, FLORIDA 34746

REVISION	DATE	BY
1		
2		
3		
4		
5		
6		

PROJECT NO. CDS-25-011
DATE: 1/30/2026
DRAWN: TT
CHECKED: KRL
SCALE: AS SHOWN
SHEET No: **E-002**

J:\Shared\02_Projects\02_CDS Architectural Projects\Runway Beach Club\CAD\25_011 New T-Block\CDS_25-011 E-101



ELECTRICAL LEGEND

- NOTES: ELECTRICAL OUTLETS OR BOXES LOCATED ON OPPOSITE SIDES OF RATED WALLS OR PARTITIONS SHALL BE SEPARATED BY A HORIZONTAL DISTANCE OF NOT LESS THAN 24 INCHES
- FLUORESCENT FIXTURE, CEILING MOUNTED
 - LIGHTING FIXTURE, CEILING MOUNTED
 - LIGHTING FIXTURE, WALL MOUNTED
 - LIGHT TRACK WITH FIXTURES
 - CEILING EXIT LIGHT: SHADED QUADRANTS INDICATE LETTERED FACE(S)
 - WALL EXIT LIGHT: SHADED QUADRANTS INDICATE LETTERED FACE(S)
 - EMERGENCY LIGHT WITH BATTERY PACK AND ADJUSTABLE HEADS
 - DIMMER, MOUNTED @ 48" AFF
 - SINGLE POLE SWITCH, MOUNTED @ 48" AFF.
 - THREE WAY SWITCH, MOUNTED @ 48" AFF.
 - DUPLEX 20A, 125, 2P, 3W, GROUNDING RECEPTACLE, MOUNT @ 18" AFF
 - DUPLEX 20A, 125, 2P, 3W, GROUNDING RECEPTACLE, FLOOR MOUNT
 - GROUND FAULT INTERRUPT, 20A DUPLEX
 - SINGLE 250V NON-LOCKING TYPE RECEPTACLE
 - TELEPHONE OUTLET, MOUNTED @ 18" AFF
 - TELEVISION OUTLET, MOUNTED @ 18" AFF
 - TELEVISION OUTLET, MOUNTED @ 18" AFF
 - DISCONNECT SWITCH, SIZE/POLES/FUSE
 - JUNCTION BOX, CEILING MOUNTED
 - JUNCTION BOX, WALL MOUNTED
 - PADDLE FAN
 - EXHAUST FAN CONNECTION (FAN BY DIV. 15)
 - DIGITAL ALARM COMMUNICATOR TRANSMITTER
 - FIRE ALARM PULL STATION
 - SMOKE DETECTOR CEILING MOUNTED
 - EXIST TO REMAIN
 - NEW POWER LAYOUT

ABBREVIATIONS

- AFF ABOVE FINISHED FLOOR
- C CONDUIT
- CR CEILING RECESSED MOUNTED
- CS CEILING SURFACE MOUNTED
- CT DEVICE MOUNTED ABOVE COUNTERTOP
- DS DISCONNECT SWITCH
- DN DOWN
- FDS FUSED DISCONNECT SWITCH
- G GRADE MOUNTED
- GFI GROUND FAULT INTERRUPTER
- GND GROUND
- IG ISOLATED GROUND
- JB JUNCTION BOX
- NIC NOT IN CONTRACT
- NTS NOT TO SCALE
- P POLE
- PD PENDANT MOUNTED
- PNL PANELBOARD
- Q QUADRAPLEX
- U UNIVERSAL MOUNTING
- UP DEVICE WIRED FOR PROTECTION BY UPSTREAM GFI
- W DEVICE MOUNTED AT 48"
- WP WEATHERPROOF COVERPLATE
- WR WALL RECESSED
- WS WALL SURFACE MOUNTED

1 CLUBHOUSE - POWER PLAN
SCALE: 3/16" = 1'-0"

2 LEGEND
SCALE: NTS



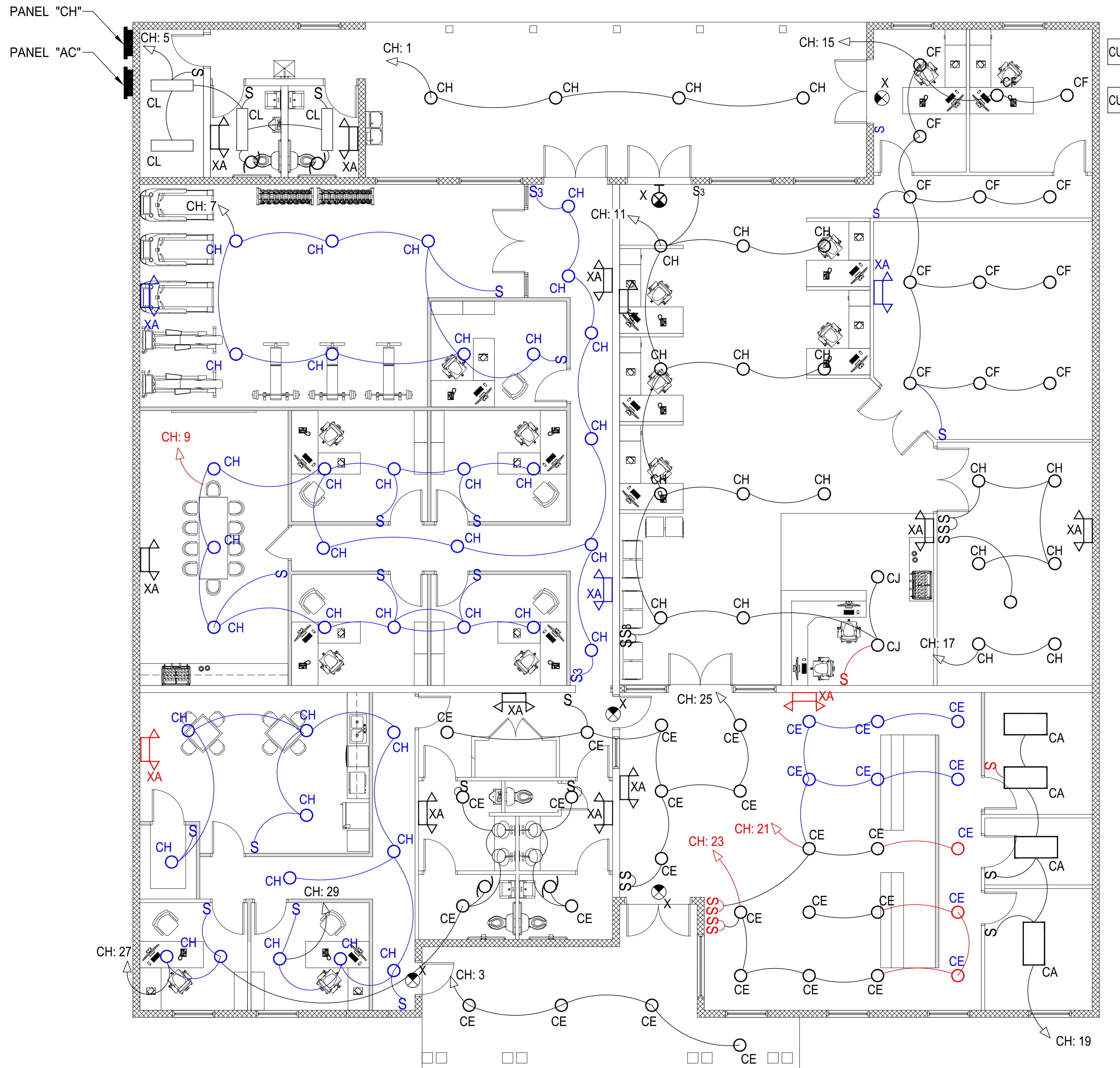
COLLINS GENERAL
CONTRACTING, LLC
1485 N ATLANTIC AVE, SUITE 113
COCOA BEACH FL, 32931

CAPITAL VACATIONS CLUBHOUSE
3000 BONFIRE BEACH DRIVE
KISSIMMEE, FLORIDA 34746
CLUBHOUSE - POWER PLAN

REVISION	DATE	BY
1		
2		
3		
4		
5		
6		

PROJECT NO. CDS-25-011
DATE: 08/27/25
DRAWN: TT
CHECKED: RW
SCALE: AS SHOWN
SHEET No:

E-101



ELECTRICAL LEGEND

- NOTES:** ELECTRICAL OUTLETS OR BOXES LOCATED ON OPPOSITE SIDES OF RATED WALLS OR PARTITIONS SHALL BE SEPARATED BY A HORIZONTAL DISTANCE OF NOT LESS THAN 24 INCHES
- FLUORESCENT FIXTURE, CEILING MOUNTED
 - LIGHTING FIXTURE, CEILING MOUNTED
 - LIGHTING FIXTURE, WALL MOUNTED
 - LIGHT TRACK WITH FIXTURES
 - CEILING EXIT LIGHT: SHADED QUADRANTS INDICATE LETTERED FACE(S)
 - WALL EXIT LIGHT: SHADED QUADRANTS INDICATE LETTERED FACE(S)
 - EMERGENCY LIGHT WITH BATTERY PACK AND ADJUSTABLE HEADS
 - DIMMER, MOUNTED @ 48" AFF
 - SINGLE POLE SWITCH, MOUNTED @ 48" AFF.
 - THREE WAY SWITCH, MOUNTED @ 48" AFF.
 - DUPLEX 20A, 125, 2P, 3W, GROUNDING RECEPTACLE, MOUNT @ 18" AFF
DUPLEX 20A, 125, 2P, 3W, GROUNDING RECEPTACLE, FLOOR MOUNT
 - GROUND FAULT INTERRUPTER, 20A DUPLEX
 - SINGLE 250V NON-LOCKING TYPE RECEPTACLE
 - TELEPHONE OUTLET, MOUNTED @ 18" AFF
 - TELEVISION OUTLET, MOUNTED @ 18" AFF
 - DISCONNECT SWITCH, SIZE/POLES/FUSE
 - JUNCTION BOX, CEILING MOUNTED
 - JUNCTION BOX, WALL MOUNTED
 - PADDLE FAN
 - EXHAUST FAN CONNECTION (FAN BY DIV. 15)
 - DIGITAL ALARM COMMUNICATOR TRANSMITTER
 - FIRE ALARM PULL STATION
 - SMOKE DETECTOR CEILING MOUNTED
 - EXIST TO REMAIN
 - EXIST TO RELOCATE
 - NEW LIGHT FIXTURES

ABBREVIATIONS

- AFF ABOVE FINISHED FLOOR
- C CONDUIT
- CR CEILING RECESSED MOUNTED
- CS CEILING SURFACE MOUNTED
- CT DEVICE MOUNTED ABOVE COUNTERTOP
- DS DISCONNECT SWITCH
- DN DOWN
- FDS FUSED DISCONNECT SWITCH
- G GRADE MOUNTED
- GFI GROUND FAULT INTERRUPTER
- GND GROUND
- IG ISOLATED GROUND
- JB JUNCTION BOX
- NIC NOT IN CONTRACT
- NTS NOT TO SCALE
- P POLE
- PD PENDANT MOUNTED
- PNL PANELBOARD
- Q QUADRAPLEX
- U UNIVERSAL MOUNTING
- UP DEVICE WIRED FOR PROTECTION BY UPSTREAM GFI
- W DEVICE MOUNTED AT 48"
- WP WEATHERPROOF COVERPLATE
- WR WALL RECESSED
- WS WALL SURFACE MOUNTED

1 CLUBHOUSE - LIGHTING PLAN
SCALE: 3/16" = 1'-0"

2 LEGEND
SCALE: NTS



COLLINS GENERAL CONTRACTING, LLC
1485 N ATLANTIC AVE, SUITE 113
COCOA BEACH FL, 32931

CAPITAL VACATIONS CLUBHOUSE
3000 BONFIRE BEACH DRIVE
KISSIMMEE, FLORIDA 34746
CLUBHOUSE - LIGHTING PLAN

REVISION	DATE	BY
1		
2		
3		
4		
5		
6		

PROJECT NO. CDS-25-011
DATE: 08/27/25
DRAWN: TT
CHECKED: RW
SCALE: AS SHOWN
SHEET No: **E-102**

CLUBHOUSE AND AMENITIES SPLIT SYSTEM AIR CONDITIONER SCHEDULE

MARK	CU-1/AHU-1	CU-2A&B/ AHU-2A&B	CU-3/AHU-3	CU-4/AHU-4	CU-5/AHU-5
NOMINAL TONS OF CU	4.0	2 @ 4.0	5.0	5.0	2.0
TOTAL COOLING LOAD (MBH)	46.8	2 @ 30.6	47.8	50.8	19.4
SENSIBLE COOLING LOAD (MBH)	30.7	2 @ 20.0	37.6	40.7	14.3
AHU CONFIGURATION	VERTICAL	VERTICAL	VERTICAL	VERTICAL	VERTICAL
AHU DIMENSION W X D X H (IN)	22X22X54	2 @ 22X22x54	22X22X54	22X22X54	22X15X43
SUPPLY AIR (CFM)	1250	2 @ 1600	2050	2050	700
OUTSIDE AIR (CFM)	300	2 @ 336	250	260	200
EXTERNAL STATIC PRESS (IN W.C)	0.3	0.3	0.3	0.3	0.3
ENTERING AIR DRY BULB (DEG. F.)	77	77	77	77	77
ENTERING AIR WET BULB (DEG. F.)	66	66	66	66	66
EVAPORATOR FAN	HP	2 @ 3/4	3/4	3/4	1/4
	VOLT/Ø	240/1	240/1	240/1	240/1
	LOAD (MBH)	30.7	2 @ 30.7	22.1	26.7
	KW @ 240	15	2 @ 15	10	5
	VOLT/Ø/STAGES	240/1/1	240/1/1	240/1/1	240/1/1
	VOLT/Ø	240/1	240/1	240/1	240
	MCA	31.9	2 @ 31.9	37.5	14.4
SERVES	EXISTING OFFICE	NEW FITNESS & OFFICES	CV SALES FLOOR & RECEPTION	CV OFFICE, FOYER & CHECK IN COUNTER	MAINTENANCE BUILD
MANUFACTURER	CARRIER OR EQUAL	CARRIER OR EQUAL	CARRIER OR EQUAL	CARRIER OR EQUAL	CARRIER OR EQUAL
AHU MODEL #	FB4ANF048	2 @ FB4ANF048	FB4ANF060	FB4ANF060	FB4ANF024
CU MODEL #	38CKC048	38CKC048	38CK060	38CK060	38CKC024
MINIMUM EFFICIENCY AT ARI	10 SEER	10 SEER	10 SEER	10 SEER	10 SEER
REMARKS	1-6, 9	1-6, 8	1-7	1-7	1-6

- EXTERNAL STATIC PRESSURE EXCLUDES LOSSES DUE TO AHU CASING, DIRT ON FILTER, AND WET COOLING COIL.
- PROVIDE WITH 7-DAY PROGRAMMABLE HEATING, COOLING THERMOSTAT.
- 95° F. OUTSIDE AIR AMBIENT.
- MCA = MINIMUM CIRCUIT AMPACITY
- COOLING LOADS EXCLUDE EVAPORATOR FAN HEAT
- PROVIDE WITH 5 MINUTES TIME DELAY RELAY TO PREVENT COMPRESSOR FROM SHORT CYCLING.
- WIRE ON HIGH SPEED.
- WIRE ON LOW SPEED.
- WIRE ON MEDIUM SPEED.

AMENITIES EXHAUST FAN SCHEDULE

MARK	MANUFACTURER TYPE & MODEL	CFM	E.S.P.	DRIVE	ELECTRICAL WATTS/HP	VOLTS/PHASE	MOUNTING	MAX SONES	SERVES	REMARKS
EF-3	PENN ZEPHYR Z5H	110	0.3	DIRECT	115/1	115/1	CEILING	5	RESTROOMS	1 - 5
EF-4	PENN ZEPHYR Z8H	280	0.3	DIRECT	115/1	115/1	CEILING	5	GYM RRS	1 - 5

- PROVIDE WITH UNIT MOUNTED DISCONNECTED
- PROVIDE WITH WHITE OR OFF-WHITE CEILING GRILLE
- CONTROL WITH ROOM LIGHT
- PROVIDE WITH UNIT MOUNTED DISCONNECTED
- PROVIDE WITH WHITE OR OFF-WHITE CEILING GRILLE
- CONTROL WITH ROOM LIGHT

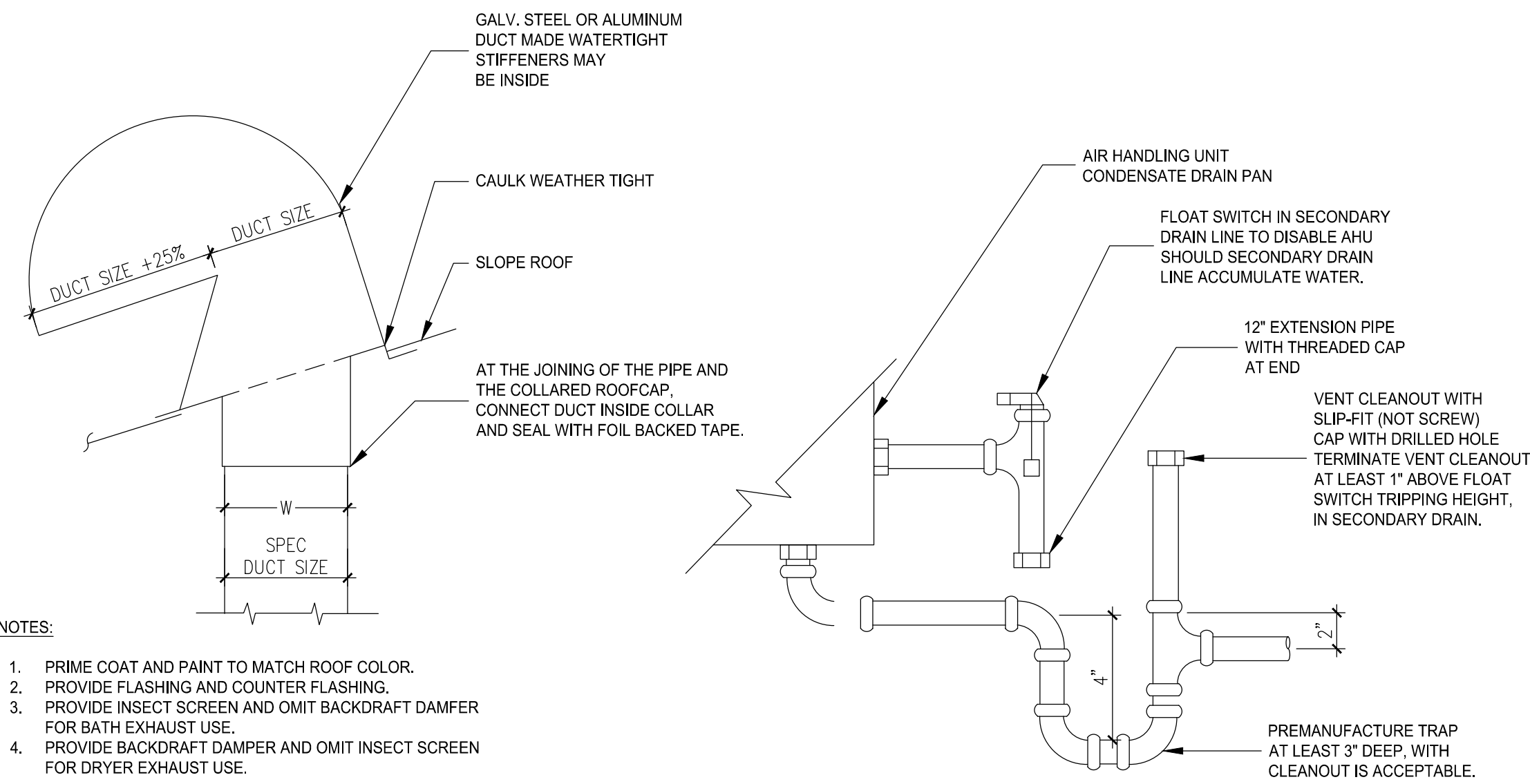
AMENITIES AIR DEVICE SCHEDULE

MARK	MANUFACTURER MODEL #	DESCRIPTION	OBD	MOUNTING	COLOR	MATERIAL	REMARKS
SD1	METALAIRE 5500	FIXED LOUVER DIFFUSER	Y	SURFACE CEILING	SEE NOTE 6	STEEL OR ALUMINUM	1, 2, 3, 4, 6
SD2	ACUTHERM THERMA-FUSER	THERMALLY POWERED VAV DIFFUSER	Y	SURFACE CEILING	SEE NOTE 6	STEEL OR ALUMINUM	1, 2, 3, 4, 6
R1	METALAIRE RHD	LOUVERED RETURN 45° BLADE ANGLE	Y	SURFACE CEILING	SEE NOTE 6	STEEL OR ALUMINUM	1, 3, 4
R2	METALAIRE SGRPD	HEAVY DUTY SECURITY GRADE PERFORATED RETURN	Y	WALL	SEE NOTE 6	STEEL	1, 3, 4
R3	METALAIRE HDRHD	HEAVY GAUGE LOUVERED RETURN 45° BLADE ANGLE	Y	WALL OR OUTSIDE SOFFIT	SEE NOTE 6	ALUMINUM	1, 3, 4, 5
L1	RUSKIN ELF-375DX	4" DEEP FLANGED FRAME DRAINABLE LAOUVER	N	EXTERIOR WALL	SEE NOTE 6	ALUMINUM	1, 4, 5

- SEE HVAC PLANS FOR NECK SIZES AND CFMS.
- 4-WAY UNLESS NOTED OTHERWISE ON PLAN BY ARROWS.
- MAXIMUM PRESSURE DROP OF .06 IN WC.
- TRANSITION ROUND FLEXIBLE OR RECTANGULAR RIGID DUCTWORK TO DIFFUSER AS REQUIRED.
- HORIZONTAL DIMENSION GIVEN FIRST.
- CONSULT ARCHITECT FOR REQUIRED COLOR.

OUTDOOR AIR SCHEDULE

MARK	SPACE	AREA (SQ. FT)	FBC-MECHANICAL TABLE 403.3.1.1			VRP OA RATE (CFM)		IAQP OA RATE (CFM)		OA PROVIDED CFM (IAQP)
			OCCUPANCY DENSITY (PEOPLE/1000 SQ. FT)	ZONE MAX OCCUPANCY (# OF PEOPLE)	CFM/AREA	PER PERSON	TOTAL	PER PERSON	TOTAL	
110	NEW CV OFFICE	121	5	1	5.06	12.26	12.26	5.00	5.00	5.00
111	NEW CV OFFICE	107	5	1	5.06	11.42	11.42	5.00	5.00	5.00
112	HALL	203	0	0	0.06		12.18			12.18
114	NEW BREAK ROOM	324	50	16	5.06	7.43	118.88	3.71	59.44	59.44
115	NEW CONF. ROOM	375	50	19	5.06	6.18	117.5	3.09	58.75	58.75
116	NEW CV OFFICE	145	5	1	5.06	13.7	13.7	5.00	5.00	5.00
117	NEW CV OFFICE	145	5	1	5.06	13.7	13.7	5.00	5.00	5.00
118	NEW CV OFFICE	145	5	1	5.06	13.7	13.7	5.00	5.00	5.00
119	HALL	123	0	0	0.06		7.38			7.38
120	NEW CV OFFICE	145	5	1	5.06	13.7	13.7	5.00	5.00	5.00
126	HALL	261	0	0	0.06		15.66			15.66
127	NEW CV OFFICE	136	5	1	5.06	13.16	13.16	5.00	5.00	5.00
128	NEW FITNESS	691	7	5	20.0	44.88	224.38	14.96	74.79	74.79
TOTAL OA PROVIDED CFM (IAQP) = 293.20										

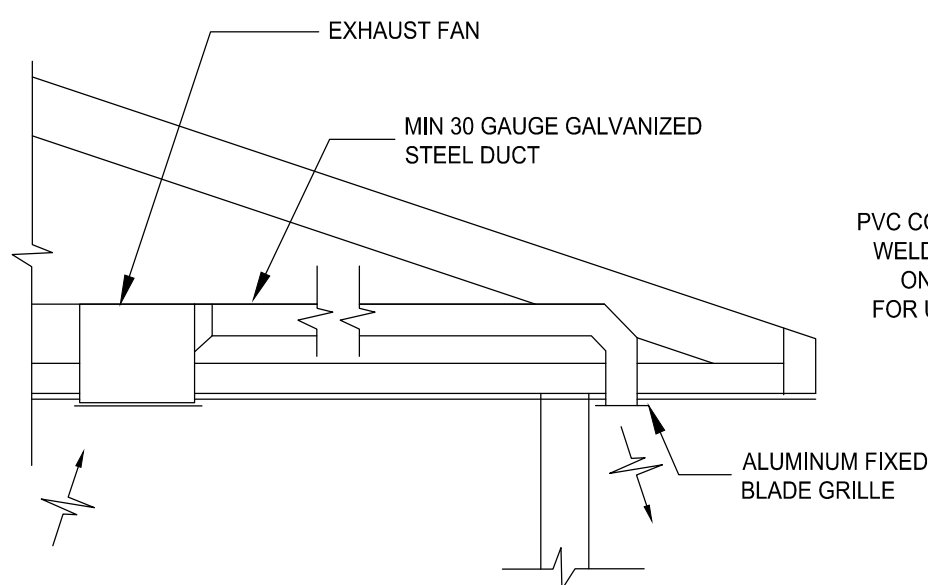


EXHAUST ROOF CAP DETAIL

SCALE: NTS

CONDENSATE TRAP DETAIL

SCALE: NTS



TOILET EXHAUST FAN DETAIL

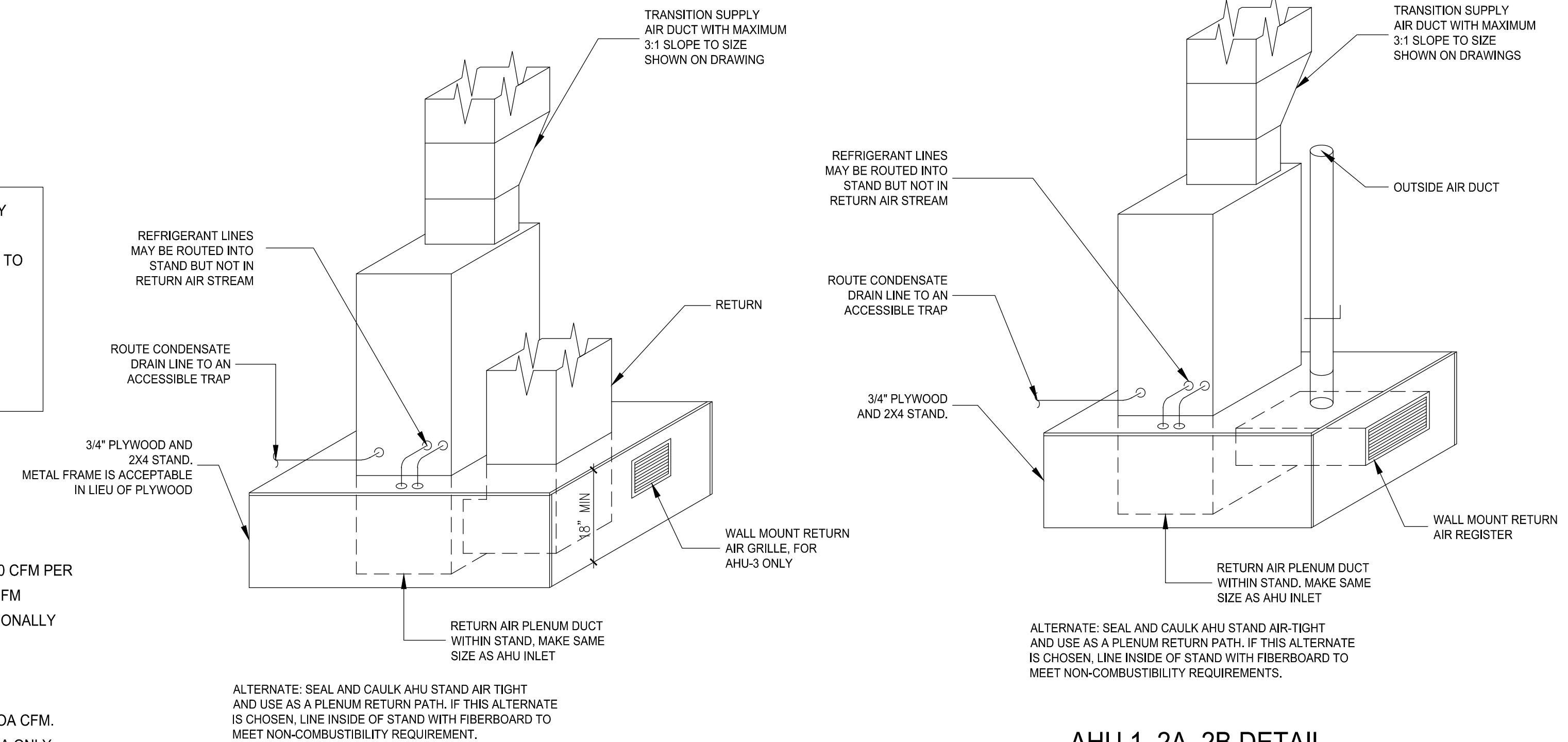
SCALE: NTS

INDOOR AIR QUALITY PROCEDURE (IAQP) SUMMARY

PER ASHRAE 62.1 IAQP, OUTDOOR AIR IS REDUCED TO 10% OF VRP VALUES USING A PLASMA AIR AIR-CLEANING SYSTEM TO MAINTAIN ACCEPTABLE INDOOR AIR QUALITY.

IAQP OUTDOOR AIR = OA CFM (VRP) x 0.10

- NOTES:
- AHU: TWO (2) UNITS x 4-TON EACH.
 - TOTAL SUPPLY AIR PER AHU: 1600 CFM.
 - OA FRACTION: 10% PER AHU → TOTAL OA = 160 CFM PER AHU. COMBINED OA (AHU-2A + AHU-2B) = 320 CFM
 - OA CFM PROVIDED IS DISTRIBUTED PROPORTIONALLY TO EACH SPACE BASED ON ASHRAE 62.1-2022 REQUIREMENTS AND IAQP (PLASMAAIR) METHODOLOGY.
 - ALL SPACES RECEIVE OA ≥ TOTAL REQUIRED OA CFM.
 - HALLS/CORRIDORS: OA BASED ON FLOOR AREA ONLY; NO OCCUPANCY FACTOR APPLIED.
 - OA CFM PER SEC. 403.3.2* TO BE VERIFIED PER LOCAL CODE OR DESIGN REVIEW.
 - DESIGN OA FRACTION IS 10% PER AHU, ADJUSTABLE UP TO 12% IF REQUIRED TO MATCH AHU PERFORMANCE, IAQP RESULTS, OR FUTURE CODE UPDATES



AHU 3, 4, 5 DETAIL

SCALE: NTS

HVAC GENERAL NOTES

- PAINT INSIDE OF DUCT AND PORTIONS OF CEILING ASSEMBLY VISIBLE THROUGH GRILLES OR REGISTERS WITH FLAT BLACK PAINTS.
- PIPE AND DUCT ROUTING SHOWN IS SCHEMATIC. PROVIDE ANY ADDITIONAL OFFSETS AND FITTINGS, INCLUDING DIVIDED DUCTS, REQUIRED FOR PROPER INSTALLATION AND TO MAINTAIN CLEARANCES AS ENCOUNTERED IN THE FIELD.
- COORDINATE WITH ALL OTHER TRADES PRIOR TO PURCHASING OR INSTALLING EQUIPMENT AND MATERIALS.
- ASSEMBLE DRYER DUCTS WITHOUT SHEET METAL SCREWS OR OTHER FASTENERS EXTENDING INTO DUCT. RUN EACH JOINT IN THE DIRECTION OF AIR FLOW SO AS NOT TO CATCH LINT. SEAL JOINTS WITH NON COMBUSTIBLE MATERIALS.
- COORDINATE ALL HVAC SYSTEM DRAWING WITH TRUSS MANUFACTURER DURING SHOP DRAWING REVIEW TO AVOID INTERFERENCES BETWEEN MECHANICAL SYSTEMS AND ROOF STRUCTURE. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL COSTS ASSOCIATED WITH TRUSS INTERFERENCES THAT OCCUR IN THE FIELD DURING CONSTRUCTION. COORDINATE IN ADVANCE. DUCT SIZES MAY BE REVISED TO FIT TRUSS SYSTEM SO LONG AS THE EQUIVALENT INSIDE CROSS-SECTIONAL AREA IS NOT DECREASED.
- ALL CONTROL WIRING AND CONDUIT SHALL COMPLY WITH NEC AND DIVISION 16 SPECIFICATIONS.
- PROVIDE MINIMUM 30 GAUGE GALVANIZED STEEL ROUND EXHAUST DUCT. FLEXIBLE ALUMINUM IS NOT ALLOWED.
- SLEEVE AND FIRE STOP PENETRATIONS THROUGH FIRE RATED SYSTEMS TO MAINTAIN RATING OF SYSTEM. USE MINIMUM GALVANIZED STEEL GAGE DUCT AS REQUIRED TO MAINTAIN RATING OF SYSTEM.
- LOCATE WALL AND ROOF TERMINATIONS AT THE SAME RELATIVE ELEVATION AND HORIZONTAL POSITION TO MAINTAIN A UNIFORM APPEARANCE. WHEN IN DOUBT, COORDINATE PLACEMENT WITH THE ARCHITECT. PRIME COAT AND PAINT EXTERIOR TERMINATIONS TO MATCH BUILDING COLOR.
- PROVIDE MATERIALS WHICH HAVE A FLAME SPREAD RATING OF 25 OR LESS AND A SMOKE DEVELOPMENT RATING OF 50 OR LESS WHEN TESTED IN ACCORD WITH ASTM E84.
- INSULATE SUPPLY AND RETURN DUCTS TO A MINIMUM R-VALUE OF 6.0 UNLESS INSTALLED IN A MECHANICALLY COOLED FLOORS IN A CAVITY WHOSE EXTERIOR WALLS ARE INSULATED, IN WHICH CASE THE R-VALUE MAY BE.
- SECURE FIBROUS DUCT BOARD SECTIONS TOGETHER WITH UL LISTED FOIL TAPE, STAPLES AND SEAL WITH FABRIC AND MASTIC.
- COORDINATE CEILING MOUNTED AIR DEVICE LOCATIONS WITH REFLECTED CEILING PLAN AND OTHER TRADES.
- IN HANDICAPPED ACCESSIBLE AREAS, MOUNT CONTROLS AT 48" ABOVE FINISHED FLOOR.

AHU 1, 2A, 2B DETAIL

SCALE: NTS



COLLINS GENERAL CONTRACTING, LLC
1485 N ATLANTIC AVE, SUITE 113
COCOA BEACH FL, 32931

CAPITAL VACATIONS CLUBHOUSE
3000 BONFIRE BEACH DRIVE
KISSIMMEE, FLORIDA 34746

REVISION	DATE	BY
1		
2		
3		
4		
5		
6		

PROJECT NO. CDS-25-011
DATE: 1/30/2026
DRAWN: TT
CHECKED: KRLL
SCALE: AS SHOWN
SHEET NO:

M-001

J:\Shared\02_Projects\02_CDS Architectural Projects\Runway Beach Club\CAD\25_011 New T-Block\CDS_25-011 M-001

PlasmaSoft IAQ Procedure Software

Support: plasma@plasma-so.com or call (203)662-9800
Version PlasmaSoft 2.0 ASHRAE 62.1 2013-2019

Capital Vacations Club - 110-New CV Office

PlasmaSoft calculations are exclusively for Plasma Air products and should not be used for any other manufacturer.

ASHRAE 62.1 2013-2019
Space Contamination Calculations Using Appendix D Equations

USER INPUT FIELDS

Green colored fields need user input. Yellow colored fields are constants provided by Plasma Air. Pink fields are auto-calculated based on user selection. Grey values are auto-calculated but also editable.

ASHRAE Equation: Equation 5 - Filter return air and outside air, Constant Volume Supply Air, Constant Volume Outside Air

Space Type: Office space

Ez: 1.0 - Ceiling supply of cool air

Area (Sq.Ft.): 121 Number of People: 1

Supply Air (CFM): 125 Emission Rate/ Person (ug/min): 260

Calculation of Space Contaminants Using Ventilation Rate Procedure (VRP) OA				Calculation of Space Contaminants Using IAQP Procedure (IAQP) OA			
VRP Outside Air Rate per Person	12.26	CFM		IAQP Outside Air Rate per Person	5.00	CFM	
Space Airflows	CFM	L/Min		Space Airflows	CFM	L/Min	
Supply Air	125	3,540		Supply Air	125	3,540	
Outside Air	12.26	347.20		Outside Air	5.00	141.60	
Return Air	112.74	3,192.80		Return Air	120.00	3,398.40	

$$C_{bz} = \frac{N + Ez Voz Co(1 - Ef)}{Ez (Voz + R Vr Ef)}$$

Variable	Description	Value	Units	Variable	Description	Value	Units
N	Contaminant Generation Rate	260	ug/min	N	Contaminant Generation Rate	260	ug/min
Ez	Zone Air Distribution Effectiveness	1.0		Ez	Zone Air Distribution Effectiveness	1.0	
Voz	Outdoor Air Flow Rate	347.20	L/min	Voz	Outdoor Air Flow Rate	141.60	L/min
Ef	Filter Efficiency	0		Ef	Filter Efficiency	0.68	
Co	Contaminant Concentration, OA	1.2	ug/m ³	Co	Contaminant Concentration, OA	1.2	ug/m ³
R	Recirculation Flow Variable = Vr/(Vo+Vr)	0.90		R	Recirculation Flow Variable = Vr/(Vo+Vr)	0.96	
Vr	Return Air Flow Rate	3,192.80	L/min	Vr	Return Air Flow Rate	3,398.40	L/min
Cbz	Contaminant Concentration, zone	1.079	ppm	Cbz	Contaminant Concentration, zone	0.158	ppm

Is the Cbz for the IAQP equal or less than Cbz for the VRP? Yes

© 2025 - Plasma Air International, all rights reserved.

PlasmaSoft IAQ Procedure Software

Support: plasma@plasma-so.com or call (203)662-9800
Version PlasmaSoft 2.0 ASHRAE 62.1 2013-2019

Capital Vacations Club - 111-New CV Office

PlasmaSoft calculations are exclusively for Plasma Air products and should not be used for any other manufacturer.

ASHRAE 62.1 2013-2019
Space Contamination Calculations Using Appendix D Equations

USER INPUT FIELDS

Green colored fields need user input. Yellow colored fields are constants provided by Plasma Air. Pink fields are auto-calculated based on user selection. Grey values are auto-calculated but also editable.

ASHRAE Equation: Equation 5 - Filter return air and outside air, Constant Volume Supply Air, Constant Volume Outside Air

Space Type: Office space

Ez: 1.0 - Ceiling supply of cool air

Area (Sq.Ft.): 107 Number of People: 1

Supply Air (CFM): 100 Emission Rate/ Person (ug/min): 260

Calculation of Space Contaminants Using Ventilation Rate Procedure (VRP) OA				Calculation of Space Contaminants Using IAQP Procedure (IAQP) OA			
VRP Outside Air Rate per Person	11.42	CFM		IAQP Outside Air Rate per Person	5.00	CFM	
Space Airflows	CFM	L/Min		Space Airflows	CFM	L/Min	
Supply Air	100	2,832		Supply Air	100	2,832	
Outside Air	11.42	323.41		Outside Air	5.00	141.60	
Return Air	88.58	2,508.59		Return Air	95.00	2,690.40	

$$C_{bz} = \frac{N + Ez Voz Co(1 - Ef)}{Ez (Voz + R Vr Ef)}$$

Variable	Description	Value	Units	Variable	Description	Value	Units
N	Contaminant Generation Rate	260	ug/min	N	Contaminant Generation Rate	260	ug/min
Ez	Zone Air Distribution Effectiveness	1.0		Ez	Zone Air Distribution Effectiveness	1.0	
Voz	Outdoor Air Flow Rate	323.41	L/min	Voz	Outdoor Air Flow Rate	141.60	L/min
Ef	Filter Efficiency	0		Ef	Filter Efficiency	0.68	
Co	Contaminant Concentration, OA	1.2	ug/m ³	Co	Contaminant Concentration, OA	1.2	ug/m ³
R	Recirculation Flow Variable = Vr/(Vo+Vr)	0.89		R	Recirculation Flow Variable = Vr/(Vo+Vr)	0.95	
Vr	Return Air Flow Rate	2,508.59	L/min	Vr	Return Air Flow Rate	2,690.40	L/min
Cbz	Contaminant Concentration, zone	1.158	ppm	Cbz	Contaminant Concentration, zone	0.199	ppm

Is the Cbz for the IAQP equal or less than Cbz for the VRP? Yes

© 2025 - Plasma Air International, all rights reserved.

PlasmaSoft IAQ Procedure Software

Support: plasma@plasma-so.com or call (203)662-9800
Version PlasmaSoft 2.0 ASHRAE 62.1 2013-2019

Capital Vacations Club - 114-New Breakroom

PlasmaSoft calculations are exclusively for Plasma Air products and should not be used for any other manufacturer.

ASHRAE 62.1 2013-2019
Space Contamination Calculations Using Appendix D Equations

USER INPUT FIELDS

Green colored fields need user input. Yellow colored fields are constants provided by Plasma Air. Pink fields are auto-calculated based on user selection. Grey values are auto-calculated but also editable.

ASHRAE Equation: Equation 5 - Filter return air and outside air, Constant Volume Supply Air, Constant Volume Outside Air

Space Type: Breakrooms

Ez: 1.0 - Ceiling supply of cool air

Area (Sq.Ft.): 324 Number of People: 16

Supply Air (CFM): 350 Emission Rate/ Person (ug/min): 220

Calculation of Space Contaminants Using Ventilation Rate Procedure (VRP) OA				Calculation of Space Contaminants Using IAQP Procedure (IAQP) OA			
VRP Outside Air Rate per Person	7.43	CFM		IAQP Outside Air Rate per Person	3.71	CFM	
Space Airflows	CFM	L/Min		Space Airflows	CFM	L/Min	
Supply Air	350	9,912		Supply Air	350	9,912	
Outside Air	118.88	3,366.68		Outside Air	59.44	1,683.34	
Return Air	231.12	6,545.32		Return Air	290.56	8,228.66	

$$C_{bz} = \frac{N + Ez Voz Co(1 - Ef)}{Ez (Voz + R Vr Ef)}$$

Variable	Description	Value	Units	Variable	Description	Value	Units
N	Contaminant Generation Rate	3,520	ug/min	N	Contaminant Generation Rate	3,120	ug/min
Ez	Zone Air Distribution Effectiveness	1.0		Ez	Zone Air Distribution Effectiveness	1.0	
Voz	Outdoor Air Flow Rate	3,366.68	L/min	Voz	Outdoor Air Flow Rate	1,683.34	L/min
Ef	Filter Efficiency	0		Ef	Filter Efficiency	0.68	
Co	Contaminant Concentration, OA	1.2	ug/m ³	Co	Contaminant Concentration, OA	1.2	ug/m ³
R	Recirculation Flow Variable = Vr/(Vo+Vr)	0.66		R	Recirculation Flow Variable = Vr/(Vo+Vr)	0.83	
Vr	Return Air Flow Rate	6,545.32	L/min	Vr	Return Air Flow Rate	8,228.66	L/min
Cbz	Contaminant Concentration, zone	2.189	ppm	Cbz	Contaminant Concentration, zone	1.164	ppm

Is the Cbz for the IAQP equal or less than Cbz for the VRP? Yes

© 2025 - Plasma Air International, all rights reserved.

PlasmaSoft IAQ Procedure Software

Support: plasma@plasma-so.com or call (203)662-9800
Version PlasmaSoft 2.0 ASHRAE 62.1 2013-2019

Capital Vacations Club - 115-New Conference Room

PlasmaSoft calculations are exclusively for Plasma Air products and should not be used for any other manufacturer.

ASHRAE 62.1 2013-2019
Space Contamination Calculations Using Appendix D Equations

USER INPUT FIELDS

Green colored fields need user input. Yellow colored fields are constants provided by Plasma Air. Pink fields are auto-calculated based on user selection. Grey values are auto-calculated but also editable.

ASHRAE Equation: Equation 5 - Filter return air and outside air, Constant Volume Supply Air, Constant Volume Outside Air

Space Type: Conference / meeting

Ez: 1.0 - Ceiling supply of cool air

Area (Sq.Ft.): 375 Number of People: 19

Supply Air (CFM): 450 Emission Rate/ Person (ug/min): 260

Calculation of Space Contaminants Using Ventilation Rate Procedure (VRP) OA				Calculation of Space Contaminants Using IAQP Procedure (IAQP) OA			
VRP Outside Air Rate per Person	6.18	CFM		IAQP Outside Air Rate per Person	3.09	CFM	
Space Airflows	CFM	L/Min		Space Airflows	CFM	L/Min	
Supply Air	450	12,744		Supply Air	450	12,744	
Outside Air	117.50	3,327.60		Outside Air	58.75	1,663.80	
Return Air	332.50	9,416.40		Return Air	391.25	11,080.20	

$$C_{bz} = \frac{N + Ez Voz Co(1 - Ef)}{Ez (Voz + R Vr Ef)}$$

Variable	Description	Value	Units	Variable	Description	Value	Units
N	Contaminant Generation Rate	4,940	ug/min	N	Contaminant Generation Rate	4,940	ug/min
Ez	Zone Air Distribution Effectiveness	1.0		Ez	Zone Air Distribution Effectiveness	1.0	
Voz	Outdoor Air Flow Rate	3,327.60	L/min	Voz	Outdoor Air Flow Rate	1,663.80	L/min
Ef	Filter Efficiency	0		Ef	Filter Efficiency	0.68	
Co	Contaminant Concentration, OA	1.2	ug/m ³	Co	Contaminant Concentration, OA	1.2	ug/m ³
R	Recirculation Flow Variable = Vr/(Vo+Vr)	0.74		R	Recirculation Flow Variable = Vr/(Vo+Vr)	0.87	
Vr	Return Air Flow Rate	9,416.40	L/min	Vr	Return Air Flow Rate	11,080.20	L/min
Cbz	Contaminant Concentration, zone	2.137	ppm	Cbz	Contaminant Concentration, zone	0.865	ppm

Is the Cbz for the IAQP equal or less than Cbz for the VRP? Yes

© 2025 - Plasma Air International, all rights reserved.

PlasmaSoft IAQ Procedure Software

Support: plasma@plasma-so.com or call (203)662-9800
Version PlasmaSoft 2.0 ASHRAE 62.1 2013-2019

Capital Vacations Club - 116-New CV Office

PlasmaSoft calculations are exclusively for Plasma Air products and should not be used for any other manufacturer.

ASHRAE 62.1 2013-2019
Space Contamination Calculations Using Appendix D Equations

USER INPUT FIELDS

Green colored fields need user input. Yellow colored fields are constants provided by Plasma Air. Pink fields are auto-calculated based on user selection. Grey values are auto-calculated but also editable.

ASHRAE Equation: Equation 5 - Filter return air and outside air, Constant Volume Supply Air, Constant Volume Outside Air

Space Type: Office space

Ez: 1.0 - Ceiling supply of cool air

Area (Sq.Ft.): 145 Number of People: 1

Supply Air (CFM): 150 Emission Rate/ Person (ug/min): 260

Calculation of Space Contaminants Using Ventilation Rate Procedure (VRP) OA				Calculation of Space Contaminants Using IAQP Procedure (IAQP) OA			
VRP Outside Air Rate per Person	13.70	CFM		IAQP Outside Air Rate per Person	5.00	CFM	
Space Airflows	CFM	L/Min		Space Airflows	CFM	L/Min	
Supply Air	150	4,248		Supply Air	150	4,248	
Outside Air	13.70	387.98		Outside Air	5.00	141.60	
Return Air	136.30	3,860.02		Return Air	145.00	4,106.40	

$$C_{bz} = \frac{N + Ez Voz Co(1 - Ef)}{Ez (Voz + R Vr Ef)}$$

Variable	Description	Value	Units	Variable	Description	Value	Units
N	Contaminant Generation Rate	260	ug/min	N	Contaminant Generation Rate	260	ug/min
Ez	Zone Air Distribution Effectiveness	1.0		Ez	Zone Air Distribution Effectiveness	1.0	
Voz	Outdoor Air Flow Rate	387.98	L/min	Voz	Outdoor Air Flow Rate	141.60	L/min
Ef	Filter Efficiency	0		Ef	Filter Efficiency	0.68	
Co	Contaminant Concentration, OA	1.2	ug/m ³	Co	Contaminant Concentration, OA	1.2	ug/m ³
R	Recirculation Flow Variable = Vr/(Vo+Vr)	0.91		R	Recirculation Flow Variable = Vr/(Vo+Vr)	0.97	
Vr	Return Air Flow Rate	3,860.02	L/min	Vr	Return Air Flow Rate	4,106.40	L/min
Cbz	Contaminant Concentration, zone	0.966	ppm	Cbz	Contaminant Concentration, zone	0.132	ppm

Is the Cbz for the IAQP equal or less than Cbz for the VRP? Yes

© 2025 - Plasma Air International, all rights reserved.

PlasmaSoft IAQ Procedure Software

Support: plasma@plasma-so.com or call (203)662-9800
Version PlasmaSoft 2.0 ASHRAE 62.1 2013-2019

Capital Vacations Club - 117-New CV Office

PlasmaSoft calculations are exclusively for Plasma Air products and should not be used for any other manufacturer.

ASHRAE 62.1 2013-2019
Space Contamination Calculations Using Appendix D Equations

USER INPUT FIELDS

Green colored fields need user input. Yellow colored fields are constants provided by Plasma Air. Pink fields are auto-calculated based on user selection. Grey values are auto-calculated but also editable.

ASHRAE Equation: Equation 5 - Filter return air and outside air, Constant Volume Supply Air, Constant Volume Outside Air

Space Type: Office space

Ez: 1.0 - Ceiling supply of cool air

Area (Sq.Ft.): 145 Number of People: 1

Supply Air (CFM): 150 Emission Rate/ Person (ug/min): 260

Calculation of Space Contaminants Using Ventilation Rate Procedure (VRP) OA				Calculation of Space Contaminants Using IAQP Procedure (IAQP) OA			
VRP Outside Air Rate per Person	13.70	CFM		IAQP Outside Air Rate per Person	5.00	CFM	
Space Airflows	CFM	L/Min		Space Airflows	CFM	L/Min	
Supply Air	150	4,248		Supply Air	150	4,248	
Outside Air	13.70	387.98		Outside Air	5.00	141.60	
Return Air	136.30	3,860.02		Return Air	145.00	4,106.40	

$$C_{bz} = \frac{N + Ez Voz Co(1 - Ef)}{Ez (Voz + R Vr Ef)}$$

Variable	Description	Value	Units	Variable	Description	Value	Units
N	Contaminant Generation Rate	260	ug/min	N	Contaminant Generation Rate	260	ug/min
Ez	Zone Air Distribution Effectiveness	1.0		Ez	Zone Air Distribution Effectiveness	1.0	
Voz	Outdoor Air Flow Rate	387.98	L/min	Voz	Outdoor Air Flow Rate	141.60	L/min
Ef	Filter Efficiency	0		Ef	Filter Efficiency	0.68	
Co	Contaminant Concentration, OA	1.2	ug/m ³	Co	Contaminant Concentration, OA	1.2	ug/m ³
R	Recirculation Flow Variable = Vr/(Vo+Vr)	0.91		R	Recirculation Flow Variable = Vr/(Vo+Vr)	0.97	
Vr	Return Air Flow Rate	3,860.02	L/min	Vr	Return Air Flow Rate	4,106.40	L/min
Cbz	Contaminant Concentration, zone	0.966	ppm	Cbz	Contaminant Concentration, zone	0.132	ppm

Is the Cbz for the IAQP equal or less than Cbz for the VRP? Yes

© 2025 - Plasma Air International, all rights reserved.



CLIENT: COLLINS GENERAL CONTRACTING, LLC
1485 N ATLANTIC AVE, SUITE 113
COCOA BEACH FL, 32931

PROJECT NAME: CAPITAL VACATIONS CLUBHOUSE
3000 BONFIRE BEACH DRIVE
KISSIMMEE, FLORIDA 34746

SHEET TITLE: HVAC CALCULATIONS

REVISION	DATE	BY
1		
2		
3		
4		
5		
6		

PROJECT NO. CDS-25-011
DATE: 1/30/2026
DRAWN: TT
CHECKED: KRL
SCALE: AS SHOWN
SHEET No: M-002

Capital Vacations Club - 118-New CV Office

PlasmaSoft calculations are exclusively for Plasma Air products and should not be used for any other manufacturer.

ASHRAE 62.1 2013-2019
Space Contamination Calculations Using Appendix D Equations

USER INPUT FIELDS

Green colored fields need user input. Yellow colored fields are constants provided by Plasma Air. Pink fields are auto-calculated based on user selection. Grey values are auto-calculated but also editable.

ASHRAE Equation: Equation 5 - Filter return air and outside air, Constant Volume Supply Air, Constant Volume Outside Air

Space Type: Office space

Ez: 1.0 - Ceiling supply of cool air

Area (Sq.Ft.): 145 Number of People: 1

Supply Air (CFM): 150 Emission Rate/ Person (ug/min): 260

Calculation of Space Contaminants Using Ventilation Rate Procedure (VRP) OA				Calculation of Space Contaminants Using IAQP Procedure (IAQP) OA			
VRP Outside Air Rate per Person	13.70	CFM		IAQP Outside Air Rate per Person	5.00	CFM	
Space Airflows	CFM	L/Min		Space Airflows	CFM	L/Min	
Supply Air	150		4,248	Supply Air	150		4,248
Outside Air	13.70		387.98	Outside Air	5.00		141.60
Return Air	136.30		3,860.02	Return Air	145.00		4,106.40

$C_{bz} = \frac{N + Ez Voz Co(1 - Ef)}{Ez (Voz + R Vr Ef)}$

Variable	Description	Value	Units
N	Contaminant Generation Rate	260	ug/min
Ez	Zone Air Distribution Effectiveness	1.0	
Voz	Outdoor Air Flow Rate	387.98	L/min
Ef	Filter Efficiency	0	
Co	Contaminant Concentration, OA	1.2	ug/m ³
R	Recirculation Flow Variable = Vr/(Vo+Vr)	0.91	
Vr	Return Air Flow Rate	3,860.02	L/min
Cbz	Contaminant Concentration, zone	0.966	ppm

Is the Cbz for the IAQP equal or less than Cbz for the VRP? Yes

© 2025 - Plasma Air International, all rights reserved.

Capital Vacations Club - 120-New CV Office

PlasmaSoft calculations are exclusively for Plasma Air products and should not be used for any other manufacturer.

ASHRAE 62.1 2013-2019
Space Contamination Calculations Using Appendix D Equations

USER INPUT FIELDS

Green colored fields need user input. Yellow colored fields are constants provided by Plasma Air. Pink fields are auto-calculated based on user selection. Grey values are auto-calculated but also editable.

ASHRAE Equation: Equation 5 - Filter return air and outside air, Constant Volume Supply Air, Constant Volume Outside Air

Space Type: Office space

Ez: 1.0 - Ceiling supply of cool air

Area (Sq.Ft.): 145 Number of People: 1

Supply Air (CFM): 150 Emission Rate/ Person (ug/min): 260

Calculation of Space Contaminants Using Ventilation Rate Procedure (VRP) OA				Calculation of Space Contaminants Using IAQP Procedure (IAQP) OA			
VRP Outside Air Rate per Person	13.70	CFM		IAQP Outside Air Rate per Person	5.00	CFM	
Space Airflows	CFM	L/Min		Space Airflows	CFM	L/Min	
Supply Air	150		4,248	Supply Air	150		4,248
Outside Air	13.70		387.98	Outside Air	5.00		141.60
Return Air	136.30		3,860.02	Return Air	145.00		4,106.40

$C_{bz} = \frac{N + Ez Voz Co(1 - Ef)}{Ez (Voz + R Vr Ef)}$

Variable	Description	Value	Units
N	Contaminant Generation Rate	260	ug/min
Ez	Zone Air Distribution Effectiveness	1.0	
Voz	Outdoor Air Flow Rate	387.98	L/min
Ef	Filter Efficiency	0	
Co	Contaminant Concentration, OA	1.2	ug/m ³
R	Recirculation Flow Variable = Vr/(Vo+Vr)	0.91	
Vr	Return Air Flow Rate	3,860.02	L/min
Cbz	Contaminant Concentration, zone	0.966	ppm

Is the Cbz for the IAQP equal or less than Cbz for the VRP? Yes

© 2025 - Plasma Air International, all rights reserved.

Capital Vacations Club - 127-New CV Office

PlasmaSoft calculations are exclusively for Plasma Air products and should not be used for any other manufacturer.

ASHRAE 62.1 2013-2019
Space Contamination Calculations Using Appendix D Equations

USER INPUT FIELDS

Green colored fields need user input. Yellow colored fields are constants provided by Plasma Air. Pink fields are auto-calculated based on user selection. Grey values are auto-calculated but also editable.

ASHRAE Equation: Equation 5 - Filter return air and outside air, Constant Volume Supply Air, Constant Volume Outside Air

Space Type: Office space

Ez: 1.0 - Ceiling supply of cool air

Area (Sq.Ft.): 136 Number of People: 1

Supply Air (CFM): 150 Emission Rate/ Person (ug/min): 260

Calculation of Space Contaminants Using Ventilation Rate Procedure (VRP) OA				Calculation of Space Contaminants Using IAQP Procedure (IAQP) OA			
VRP Outside Air Rate per Person	13.16	CFM		IAQP Outside Air Rate per Person	5.00	CFM	
Space Airflows	CFM	L/Min		Space Airflows	CFM	L/Min	
Supply Air	150		4,248	Supply Air	150		4,248
Outside Air	13.16		373.69	Outside Air	5.00		141.60
Return Air	136.84		3,875.31	Return Air	145.00		4,106.40

$C_{bz} = \frac{N + Ez Voz Co(1 - Ef)}{Ez (Voz + R Vr Ef)}$

Variable	Description	Value	Units
N	Contaminant Generation Rate	260	ug/min
Ez	Zone Air Distribution Effectiveness	1.0	
Voz	Outdoor Air Flow Rate	373.69	L/min
Ef	Filter Efficiency	0	
Co	Contaminant Concentration, OA	1.2	ug/m ³
R	Recirculation Flow Variable = Vr/(Vo+Vr)	0.91	
Vr	Return Air Flow Rate	3,875.31	L/min
Cbz	Contaminant Concentration, zone	1.005	ppm

Is the Cbz for the IAQP equal or less than Cbz for the VRP? Yes

© 2025 - Plasma Air International, all rights reserved.

Capital Vacations Club - 128-New Fitness

PlasmaSoft calculations are exclusively for Plasma Air products and should not be used for any other manufacturer.

ASHRAE 62.1 2013-2019
Space Contamination Calculations Using Appendix D Equations

USER INPUT FIELDS

Green colored fields need user input. Yellow colored fields are constants provided by Plasma Air. Pink fields are auto-calculated based on user selection. Grey values are auto-calculated but also editable.

ASHRAE Equation: Equation 5 - Filter return air and outside air, Constant Volume Supply Air, Constant Volume Outside Air

Space Type: Gym, sports arena (play area)

Ez: 1.0 - Ceiling supply of cool air

Area (Sq.Ft.): 991 Number of People: 5

Supply Air (CFM): 800 Emission Rate/ Person (ug/min): 520

Calculation of Space Contaminants Using Ventilation Rate Procedure (VRP) OA				Calculation of Space Contaminants Using IAQP Procedure (IAQP) OA			
VRP Outside Air Rate per Person	14.88	CFM		IAQP Outside Air Rate per Person	14.96	CFM	
Space Airflows	CFM	L/Min		Space Airflows	CFM	L/Min	
Supply Air	800		22,656	Supply Air	800		22,656
Outside Air	14.88		6,354.44	Outside Air	14.96		6,354.44
Return Air	785.12		22,021.56	Return Air	785.04		22,021.56

$C_{bz} = \frac{N + Ez Voz Co(1 - Ef)}{Ez (Voz + R Vr Ef)}$

Variable	Description	Value	Units
N	Contaminant Generation Rate	2,600	ug/min
Ez	Zone Air Distribution Effectiveness	1.0	
Voz	Outdoor Air Flow Rate	6,354.44	L/min
Ef	Filter Efficiency	0	
Co	Contaminant Concentration, OA	1.2	ug/m ³
R	Recirculation Flow Variable = Vr/(Vo+Vr)	0.72	
Vr	Return Air Flow Rate	22,021.56	L/min
Cbz	Contaminant Concentration, zone	0.590	ppm

Is the Cbz for the IAQP equal or less than Cbz for the VRP? Yes

© 2025 - Plasma Air International, all rights reserved.

Capital Vacations Club - 110-New CV Office

PlasmaSoft calculations are exclusively for Plasma Air products and should not be used for any other manufacturer.

ASHRAE 62.1 2013-2019
Space Contamination Calculations Using Appendix D Equations

USER INPUT FIELDS

Green colored fields need user input. Yellow colored fields are constants provided by Plasma Air. Pink fields are auto-calculated based on user selection. Grey values are auto-calculated but also editable.

ASHRAE Equation: Equation 5 - Filter return air and outside air, Constant Volume Supply Air, Constant Volume Outside Air

Space Type: Office space

Ez: 1.0 - Ceiling supply of cool air

Area (Sq.Ft.): 121 Number of People: 1

Supply Air (CFM): 125 Emission Rate/ Person (ug/min): 260

Calculation of Space Contaminants Using Ventilation Rate Procedure (VRP) OA				Calculation of Space Contaminants Using IAQP Procedure (IAQP) OA			
VRP Outside Air Rate per Person	12.26	CFM		IAQP Outside Air Rate per Person	5.00	CFM	
Space Airflows	CFM	L/Min		Space Airflows	CFM	L/Min	
Supply Air	125		3,540	Supply Air	125		3,540
Outside Air	12.26		347.20	Outside Air	5.00		141.60
Return Air	112.74		3,192.80	Return Air	120.00		3,398.40

$C_{bz} = \frac{N + Ez Voz Co(1 - Ef)}{Ez (Voz + R Vr Ef)}$

Variable	Description	Value	Units
N	Contaminant Generation Rate	260	ug/min
Ez	Zone Air Distribution Effectiveness	1.0	
Voz	Outdoor Air Flow Rate	347.20	L/min
Ef	Filter Efficiency	0	
Co	Contaminant Concentration, OA	1.2	ug/m ³
R	Recirculation Flow Variable = Vr/(Vo+Vr)	0.90	
Vr	Return Air Flow Rate	3,192.80	L/min
Cbz	Contaminant Concentration, zone	1.079	ppm

Is the Cbz for the IAQP equal or less than Cbz for the VRP? Yes

© 2025 - Plasma Air International, all rights reserved.



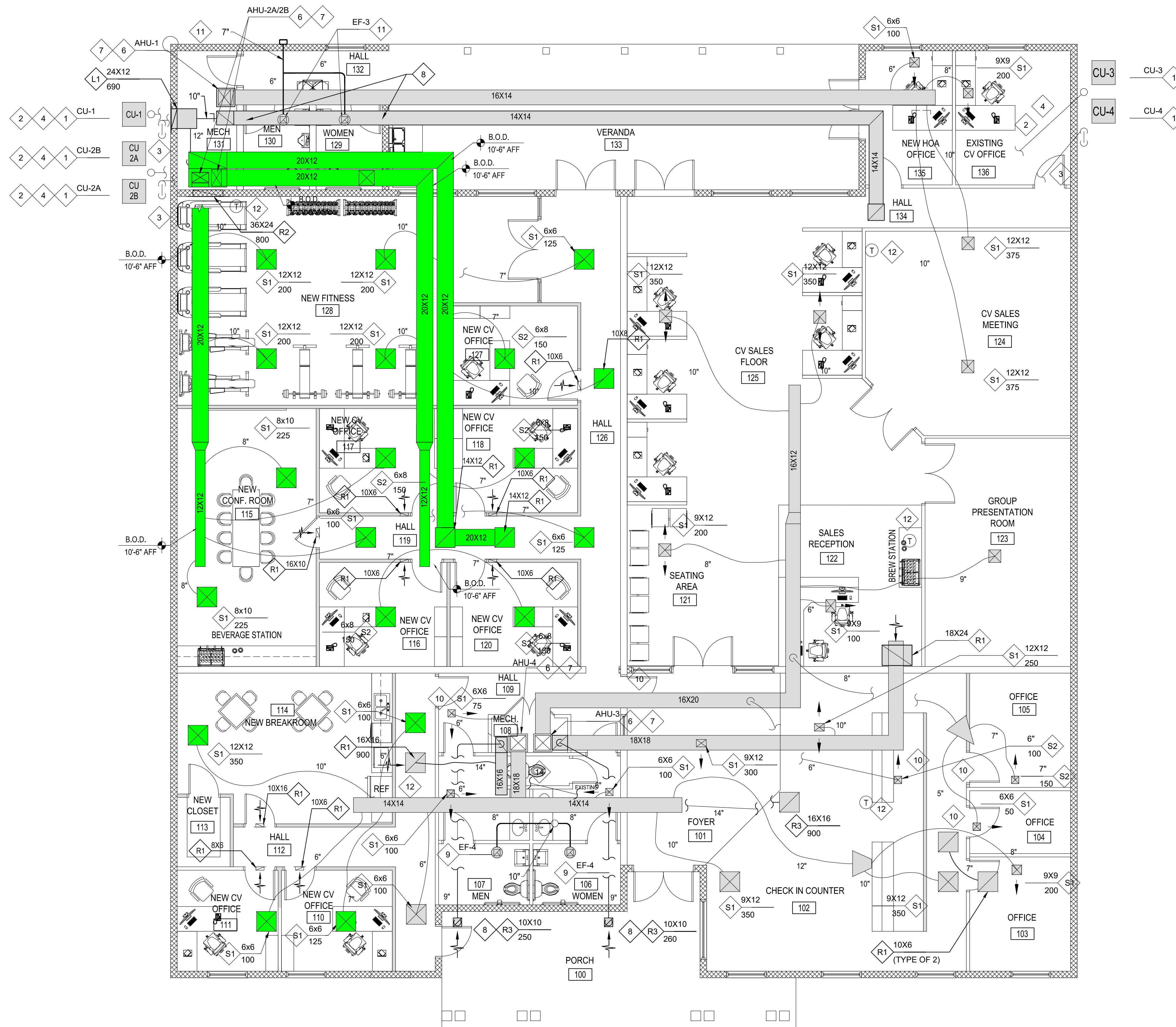
COLLINS GENERAL CONTRACTING, LLC
1485 N ATLANTIC AVE, SUITE 113
COCOA BEACH FL, 32931

CLIENT: COLLINS GENERAL CONTRACTING, LLC
PROJECT NAME: CAPITAL VACATIONS CLUBHOUSE
3000 BONFIRE BEACH DRIVE
KISSIMMEE, FLORIDA 34746
SHEET TITLE: HVAC CALCULATIONS & SUBMITTALS

REVISION	DATE	BY
1		
2		
3		
4		
5		
6		

PROJECT NO. CDS-25-011
DATE: 1/30/2026
DRAWN: TT
CHECKED: KRLL
SCALE: AS SHOWN
SHEET No: M-003

J:\Shared\02_Projects\02_CDS Architectural Projects\Runaway Beach Club\CAD\25_011 New T-Block\CDS_25-011 M-101-1



HVAC LEGEND

- DUCT SIZE IN INCHES. FIRST FIGURE IS SIDE SHAPE. SIZES SHOWN ARE INSIDE DIMENSIONS OF INSULATED DUCTWORK IS INTERNALLY INSULATED
- ONE SIDED DUCT EXPANSION OR CONTRACTION WITH FLEX DUCTWORK AND SPIN-IN FITTING AND MANUAL DAMPER
- ELBOW & TURNING VANES
- CEILING MOUNTED SUPPLY. IF OTHER THAN 4-WAY ARROWS INDICATE AIR FLOW PATTERN.
- CEILING RETURN.
- WALL-MOUNTED SUPPLY REGISTER.
- WALL-MOUNTED RETURN.
- CEILING MOUNTED EXHAUST FAN
- EXHAUST DUCT THRU ROOF
- THERMOSTAT
- DUCT MOUNTED SMOKE DETECTOR
- EXISTING HVAC SYSTEMS TO REMAIN
- NEW HVAC SYSTEMS
- B.O.D. BOTTOM OF DUCT

HVAC SHEET NOTES

1. MOUNT CU'S ON 4" THICK CONCRETE PADS. PAD DIMENSIONS SHALL EXCEED CU DIMENSIONS BY 4" ON ALL SIDES AND SHALL ALLOW FOR REFRIGERANT PIPING STUB-UP. PLACE CU'S AWAY FROM ROOF DRIP LINE. PROVIDE MANUFACTURER'S RECOMMENDED CLEARANCES. ANCHOR CU'S SECURELY TO PAD. LOCATION OF CU'S ARE APPROXIMATE. COORDINATE CLOSELY WITH LANDSCAPING PLANS AND ARCHITECTURAL DETAILS.
2. REFRIGERANT LINES. ROUTE FROM AHU, BELOW GRADE, AND UP THRU CU PAD. SEE UNDERGROUND REFRIGERANT LINE DETAIL ON SHEET H6. 03.
3. PVC CONDENSATE DRAIN LINE. ROUTE FROM AHU, BELOW GRADE TO JUST BEYOND EXTERIOR WALL, AND TERMINATE 6" ABOVE GRADE WITH TURNED DOWN ELBOW. TERMINATE IN SODDED OR MULCHED AREA. PROVIDE 3/4" DIAMETER LINES AT INDIVIDUAL AHU'S, 1" DIAMETER COMMON RISERS, AND 1 1/2" DIAMETER FOR ANY LINES BELOW GRADE. INSULATE WHERE INSIDE BUILDING AND WALLS. PROVIDE A TRAP AT EACH AHU PER DETAIL ON SHEET H6. 02. TERMINATE AT LEAST 2 FT FROM WOOD CONSTRUCTION TO MINIMIZE POSSIBLE TERMITE DAMAGE.
4. WHEN REFRIGERANT LINE RUNS EXCEED 50 EQUIVALENT FEET, SIZE REFRIGERANT LINES PER CU MANUFACTURER'S RECOMMENDATIONS FOR THE SPECIFIC LENGTH INVOLVED. ALSO PROVIDE ACCESSORIES AS RECOMMENDED BY MANUFACTURER. IF USING THE BASIS OF DESIGN CARRIER CU, FOLLOW THE RECOMMENDATIONS IN CARRIER'S LONG LINE APPLICATION GUIDELINE FORM 38-4XA, 3/8" LIQUID LINE, CRANKCASE HEATER, LIQUID LINE SOLENOID, AND INVERTED SUCTION LINE TRAP. IF THE SUBMITTED MANUFACTURER MAKES NO RECOMMENDATIONS FOR LONG REFRIGERANT LINE RUNS, CHOOSE ANOTHER CU MANUFACTURER.
5. ROUTE REFRIGERANT AND CONDENSATE LINES THROUGH JOIST SPACE AND UP TO AHU-F2. ROUTE CONDENSATE DRAIN LINE PARALLEL TO REFRIGERANT LINES AND COMPLY WITH NOTE
6. MOUNT AHU PER DETAIL ON SHEET H6. 03.
7. PROVIDE SMOKE DETECTOR IN MAIN SUPPLY AND RETURN AIR DUCT. ACCESSIBLE FROM MECHANICAL CLOSET. PROVIDE WITH REMOTE INDICATOR MOUNTED ON A WALL IN A NORMALLY OCCUPIED AREA. INDICATOR SHALL HAVE AUDIBLE AND VISIBLE ALARMS AND TROUBLE INDICATOR LIGHT. SMOKE DETECTOR SHALL SHUT AHU DOWN AND ACTIVATE ALARMS UPON DETECTION OF SMOKE. SMOKE DETECTOR SHALL BE SIMPLEX 2098-9649 IONIZATION OR 2098-9201 PHOTOELECTRIC TYPE OR EQUIVALENT.
8. MOUNT GRILLE IN PORCH CEILING. ROUTE MIN 26 GAUGE EXTERNALLY INSULATED OUTSIDE AIR DUCT THROUGH ATTIC TO MECHANICAL ROOM.
9. ROUTE MIN 30 GAUGE EXHAUST DUCT TO METAL ROOF JACK OR GOOSENECK. ROOF JACK FREE AREA SHALL BE AT LEAST AS LARGE AS DUCT. PROVIDE FLASHING, SEALANT, AND BIRDSCREEN. PRIME COAT AND PAINT ROOF JACK TO MATCH ROOF COLOR. SEE GOOSENECK DETAIL ON SHEET H6. 03.
10. UNDERCUT DOOR 1/2" ABOVE CARPET OR FLOORING FOR RETURN AIR.
11. MIN 30 GAUGE EXHAUST DUCT FROM CEILING MOUNT EXHAUST FAN. SEE DETAIL ON SHEET H6. 03 FOR ROUTING.
12. PROVIDE CLEAR PLASTIC, VENTED LOCKABLE THERMOSTAT COVER.
13. INSTALL LOW-VISIBLE DOOR GRILLE FOR RELIEF OF EXHAUST AIR. EQUIV TO 12X6 METAL/LAIRE DG.
14. COORDINATE CLOSELY WITH PLUMBING IN THIS AREA



CLIENT: COLLINS GENERAL CONTRACTING, LLC
1485 N ATLANTIC AVE, SUITE 113
COCOA BEACH FL, 32931

PROJECT NAME: CAPITAL VACATIONS CLUBHOUSE
3000 BONFIRE BEACH DRIVE
KISSIMMEE, FLORIDA 34746
SHEET TITLE: CLUBHOUSE - HVAC PLAN

REVISION	DATE	BY
1		
2		
3		
4		
5		
6		

PROJECT NO. CDS-25-011
DATE: 1/30/2026
DRAWN: TT
CHECKED: KRLL
SCALE: AS SHOWN
SHEET No.

1 CLUBHOUSE - HVAC PLAN
SCALE: 3/16" = 1'-0"

2 LEGEND
SCALE: NTS

M-101

J:\Shared\02_Projects\02_CDS Architectural Projects\Runway Beach Club\CAD\25_011 New T-Block\CDS_25-011 P-101 -1

PLUMBING FIXTURE SCHEDULE (FOR CLUBHOUSE)

MARK	DESCRIPTION	WASTE	VENT	CW	HW	REMARKS
WC-1	WATER CLOSET LOW CONSUMPTION	3"	2"	1/2"	---	RIM +14" MODEL: BRIGGS # 4225 (1.6 GALLONS PER FLUSHING CYCLE) WATER CLOSET TO BE TWO-PIECE VITREOUS CHINA BOWL, SIPHON VORTEX ACTION BOWL & TANK, FLOOR OUTLET W/ BOLT CAPS, ELONGATED BOWL CHROMIUM PLATED TRIP LEVER, SUPPLIES & STOP VALVE BEMIS SEAT: # 1950 ELONGATED SOLID WHITE PLASTIC SEAT, OPEN FRON AND COVER.
WC-2	WATER CLOSET LOW CONSUMPTION ADA ACCESSIBLE	3"	2"	1/2"	---	RIM +16 1/8" MODEL: BRIGGS # 4228 (1.6 GALLONS PER FLUSHING CYCLE) WATER CLOSET TO BE TWO PIECE VITREOUS CHINA BOWL, SIPHON VORTEX ACTION BOWL & TANK, FLOOR OUTLET W/ BOLT CAPS, ELONGATED BOWL, CHROMIUM PLATED TRIP LEVER, SUPPLIES & STOP VALVE. BEMIS SEAT: #1950 ELONGATED SOLID WHITE PLASTIC SEAT, OPEN FRONT COVER
L-1	LAVATORY	1 1/2"	1 1/2"	1/2"	1/2"	IN COUNTERTOP MODEL: BRIGGS # 6520 - OVAL - 8" FAUCET CENTERS VITREOUS CHINA, COUNTER TYPE, BRIGGS #1232-GS SINGLE LEVER FAUCET (2.0 GPM AERATOR), GRID DRAIN, PROVIDE ANGLE VALVES AND SUPPLIES W/ LOOSE KEY STOPS, 1 1/4" x 1 1/2" P-TRAP. FURNISH TEMPLATE FOR CUTTING HOLE. HOLE NOT CUT IN PLUMBING WORK
L-2	LAVATORY ACCESSIBLE	1 1/2"	1 1/2"	1/2"	1/2"	RIM +34" MODEL: BRIGGS #6602 19" x 18 - 4" FAUCET CENTERS VITREOUS CHINA, WALL HUNG WITH FIXTURE CARRIER MOUNTING BRACKET, BRIGGS #1232-GS SINGLE LEVER FAUCET (2 GPM AERATOR) AND GRID DRAIN, PROVIDE ANGLE VALVES AND SUPPLIES W/ LOOSE KEY STOPS, 1 1/4" x 1 1/2" P-TRAP. INSULATE SUPPLIES & WASTE WITH TRUEBRO MODEL #102 INSULATION KIT.
UR-1	URINAL ACCESSIBLE	2"	2"	3/4"	---	LIP +17" MODEL: BRIGGS #7550 VITROUS CHINA, SIPHON JET, WALL HUNG WITH FIXTURE CARRIER SECURED TO FLOOR, EXTENDED SIDES, FLUSHING RIM AND 3/4" TOP INLET SPUD SLOAN ROYAL FLUSH VALVE #186-1 (1 GALLON PER FLUSHING CYCLE)
S-1	SINK	1 1/2"	1 1/2"	1/2"	1/2"	IN COUNTERTOP MODEL: ELKAY LR-3321, 8" DEEP, DOUBLE COMPARTMENT, 18 GAUGE STAINLESS STEEL, SOUND DEADENED, LEDGE TYPE, SELF-RIMMING WITH CRUMB CUP STRAINER & TAILPIECE, 1 1/2" CHROMIUM-PLATED CONTINUOUS WASTE & P-TRAP, CHROMIUM-PLATED BRASS ENGLDED STOP VALVES AND SUPPLIES, PROVIDE LK-2439 FAUCET (HOT & COLD WATER) W/ AERATOR.
J-1	UTILITY SINK	1 1/2"	1 1/2"	1/2"	1/2"	RIM +34" PROVIDE MUSTEE MODEL No.19W WALL MOUNTED UTILITY SINK (24" x 20" ONE-PIECE MOLDED CONSTRUCTION USING STRUCTURAL THERMOPLASTIC, COMPLETE WITH DRAIN OUTLET ASSEMBLY AND WALL FASTENERS, PROVIDE #91.604 DECK MOUNTED FAUCET WITH ATTACHED VACUUM BREAKER HAVING HOSE THREAD OUTLET, P-TRAP AND SUPPLIES & STOP.
EWC-1	ELECTRIC WATER COOLER TWO-LEVEL ADA ACCESSIBLE	1 1/2"	1 1/2"	1/2"	---	LOWER BUBBLER +36"; UPPER +41" MODEL: SUNROC #SRF-7700 FLUSH MOUNTING - (2) 14" DIA. BOWLS CAPACITY TO DELIVER 8 GPH OF 50° F. WATER WITH INLET TEMP. OF 80° F. AND ROOM TEMP. OF 90° F., STAINLESS STEEL FOUNTAIN AND ACCESS PANEL, PRESSBAR BUBBLER, AIR COOLED HERMETICALLY SEALED CONDENSING UNIT W/ 1/5hp., 120 V., 60 CYCLE 1PH. W/ OVERLOAD PROTECTION, 1 1/2" P-TRAP STOP VALVE, CORD & PLUG
HB-1	HOSE BIBB	---	---	3/4"	---	OUTLET +24" PROVIDE WOODFORD #75, NONFREEZE VACUUM BREAKER, 3/4" HOSE THREAD OUTLET SPOUT, ALL BRONZE, SEE PLANS FOR LOCATIONS
TPV-1	TRAP PRIMER	---	---	1/2"	---	PROVIDE PRECISION PLUMBING PRODUCT MODEL No. P-2 TRAP PRIMER MACHINE CORROSION RESISTANT BRASS, NO SPRINGS, DIPHARMS, ADJUSTABLE FOR HIGH OR LOW PRESSURE, INSTALL AT LEAST 12" ABOVE DRAIN. PROVIDE TRAP DISTRIBUTION UNITS REQUIRED FOR QUALITY OF FLOOR DRAINS SHOWN ON DRAWINGS. PROVIDE ACCESS PANEL.

PLUMBING EQUIPMENT SCHEDULE (FOR CLUBHOUSE)

DESCRIPTION	REMARKS
FD-1; FLOOR DRAIN (GENERAL PURPOSE)	JONESPEC #FD-2280-P PVC BODY WITH TRAP PRIMER CONNECTION, NICKLE BRONZE ROUND STRAINER, FLASHING COLLAR, BOTTOM OUTLET, SIZE AS INDICATED ON DRAWINGS
FD-2; FLOOR DRAIN (GENERAL PURPOSE)	ZURN #Z-415 WITH TYPE B STRAINER CAST -IRON BODY, NICKEL BRONZE ROUND STRAINER, FLASHING COLLAR, BOTTOM OUTLET, TRAP PRIMER CONNECTION AS REQUIRED, SIZE AS INDICATED ON DRAWINGS
INT-1; GREASE INTERCEPTOR	PROVIDE ZURN #Z-1170-600 FABRICATED STEEL GREASE INTERCEPTOR, INTERIOR AND EXTERIOR WITH HEAVY DUTY DURA COATED IRON TOP. VISIBLE DOUBLE WALL OUTSIDE TRAP SEAL. REMOVABLE COMBINATION PRESSURE EQUALIZING/FLOW DIFFUSING BAFFLE & SEDIMENT TRAY.
ECO-1; INTERIOR FLOOR CLEANOUT	PROVIDE ZURN #Z-1400-BP CAST-IRON FLOOR CLEANOUT, GAS AND WATER TIGHT BRONZE PLUG, ROUND SCORIATED TOP ADJUSTABLE TO FINISHED FLOOR. SIZE AS INDICATED ON DRAWINGS
WHA-X; WATER HAMMER ARRESTOR	SIOUX CHIEF #650 SERIES, PDI CERTIFIED. WHA-1: SIZE "A", WHA-2: SIZE "B" WHA-3 "C", WHA-4: SIZE "D". REFER TO WATER PIPING DIAGRAMS FOR PIPE SIZE AND ARRESTOR LOCATIONS. ALL ARRESTORS SHALL BE ACCESSIBLE FOR SERVICE.
AV-1; AIR ADMITTANCE VALVE	STUDOR MINI-VENT FOR SIZES 1 1/2" THROUGH 2" : MAXI-VENT SIZES 2" THROUGH 4" . VALVES FOR INDIVIDUAL & BRANCH FITTINGS SHALL CONFORM TO ASSE 1051. VALVES FOR VENT STACKS AND STACK VENTS SHALL CONFORM TO ASSE 1050

GENERAL PLUMBING NOTES:

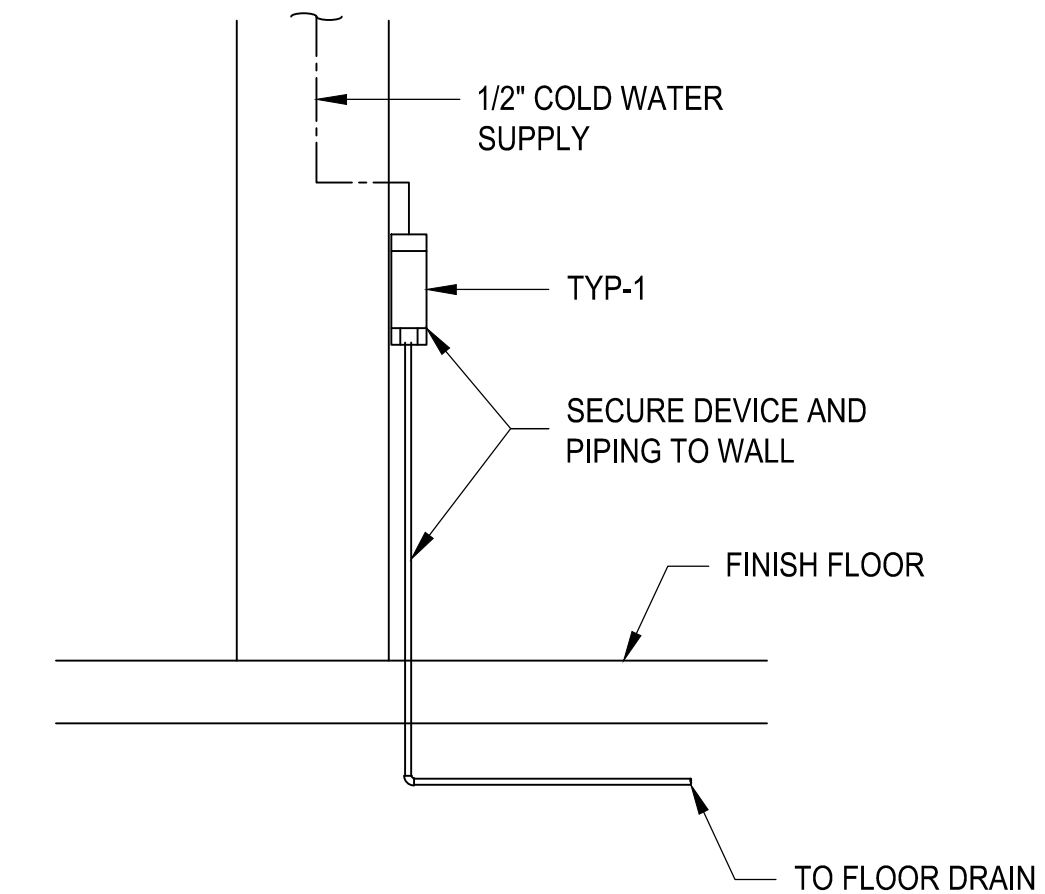
1. VERIFY ALL EXISTING CONDITIONS AND EXACT LOCATIONS OF ALL EQUIPMENT TO BE PLUMBED PRIOR TO THE COMMENCEMENT OF WORK.COORDINATE ALL WORK WITH ALL TRADES.
2. COMPLETE AND WORKING PLUMBING SYSTEMS SHALL BE IN ACCORDANCE WITH THE 2023 FLORIDA PLUMBING CODE AND AUTHORITY HAVING JURISDICTION (AHJ).
3. PRESSURE AND HYDROSTATICALLY TEST THE PIPING, AS APPLICABLE, TO INSURE THE ABSENCE OF LEAKS IN ACCORDANCE WITH THE 2023 FLORIDA BUILDING/PLUMBING CODE. DISINFECT ALL DOMESTIC WATER PIPING IN ACCORDANCE WITH THE 2023 FLORIDA BUILDING/PLUMBING CODE.
4. NEW WASTE DRAIN AND VENT PIPING SHALL BE PVC DWV. TRENCHES SHALL BE BACKFILLED AND COMPACTED. NEW COLD WATER AND HOT WATER PIPING SHALL BE CPVC PIPING OR EQUAL TO FLOW GUARD GOLD WRAP NEW HOT WATER PIPING WITH 1" R-4 PER INCH (PER THE 2023 FLORIDA MODEL ENERGY CODE)CELLULAR RUBBER INSULATION EQUAL TO ARMSTRONG ARMAFLEX NOTE: BRANCH PIPING LESS THAN 12' ME BE INSULATED WITH 1/2" INSULATION PER SAME CODE.
5. SECURE ALL REQUIRED PERMITS AND PAY ALL ASSOCIATED FEES.
6. SEE CIVIL/SITE PLANS FOR LOCATION OF SITE LOCATED COSMETIC WATER BACK FLOW PREVENTER.
7. PROVIDE WATER HAMMER ARRESTORS IN ACCORDANCE WITH THE 2023 FLORIDA BUILDING/PLUMBING CODE AND THE PDI.



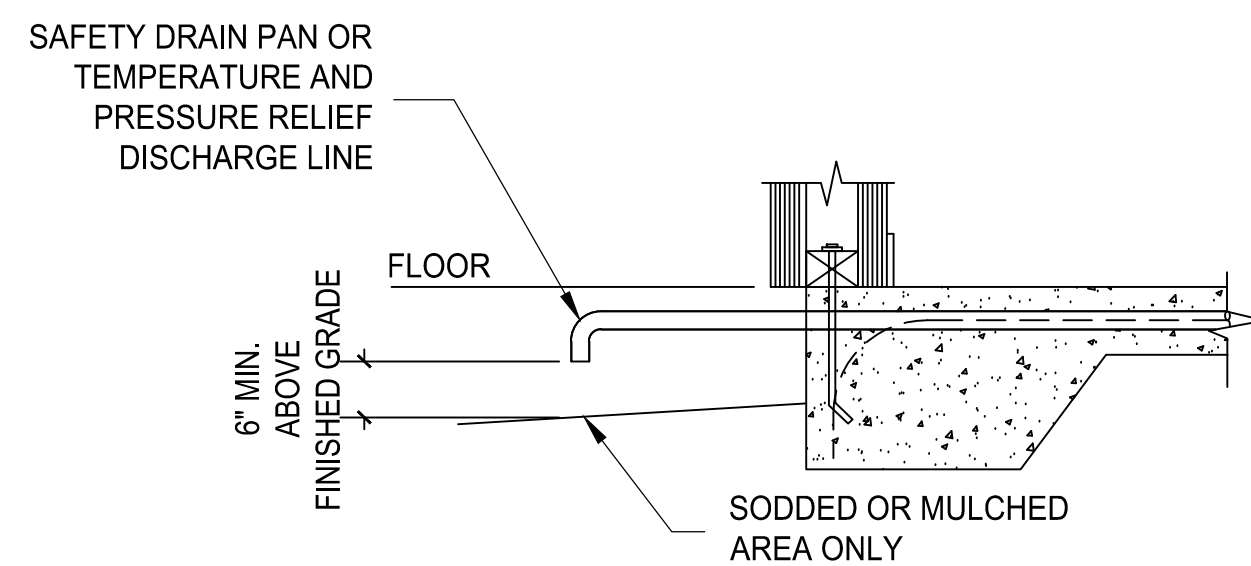
COLLINS GENERAL CONTRACTING, LLC
1485 N ATLANTIC AVE, SUITE 113
COCOA BEACH FL, 32931

CAPITAL VACATIONS CLUBHOUSE
3000 BONFIRE BEACH DRIVE
KISSIMMEE, FLORIDA 34746

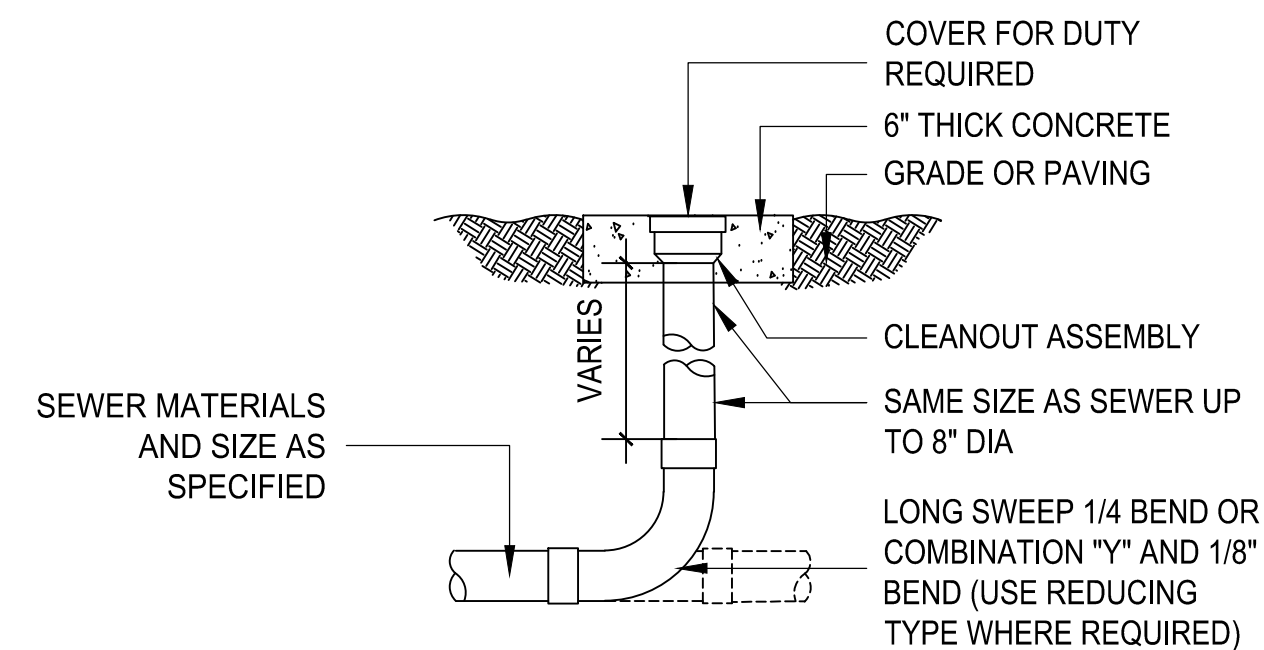
CLUBHOUSE - PLUMBING NOTES, SCHEDULE & DETAILS



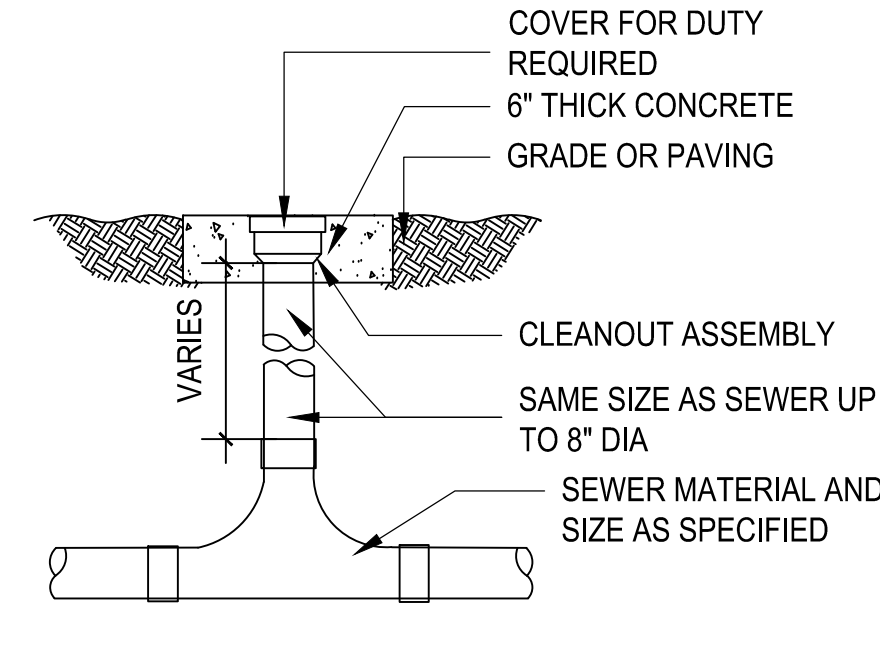
TRAP PRIMER CONNECTION DETAIL



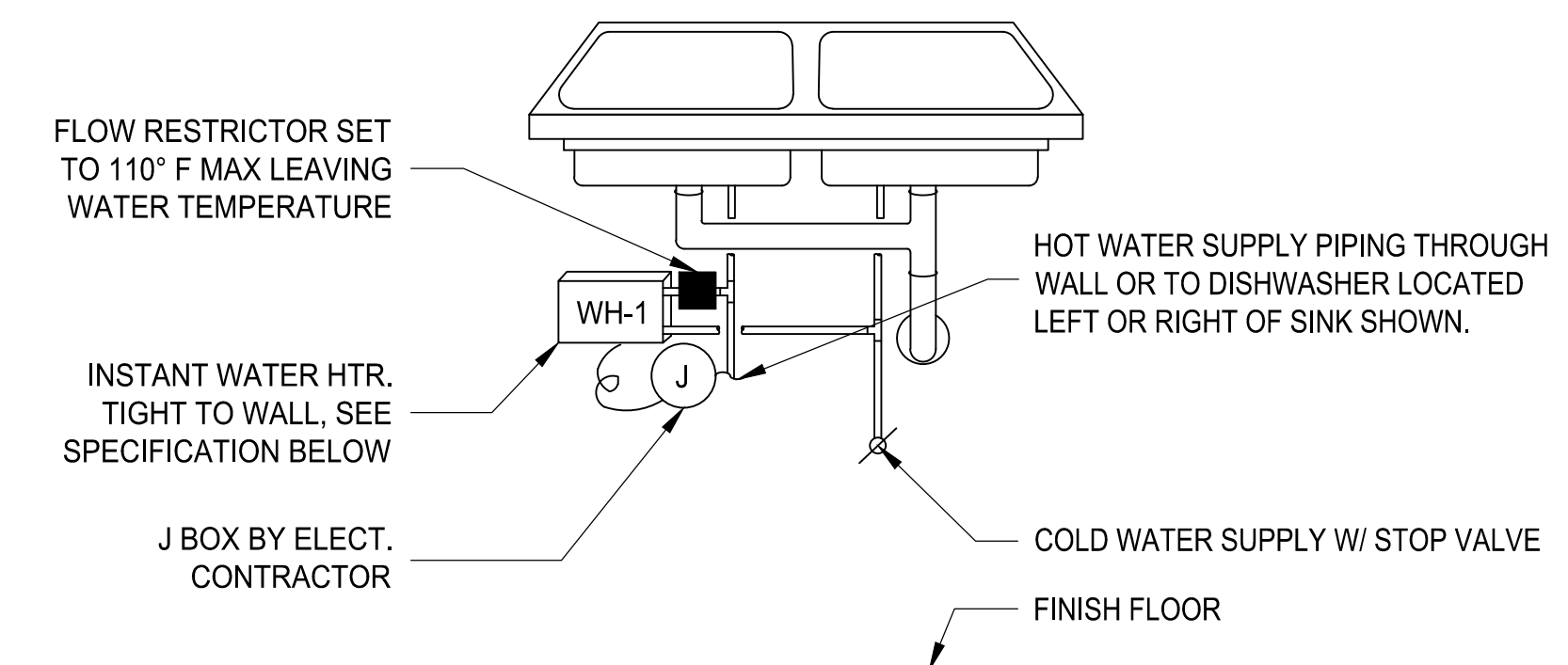
DISCHARGE PIPING TERMINATION DETAIL



EXTERIOR CLEANOUT DETAIL



2 WAY CLEANOUT DETAIL



POWER STREAM #RP1
TANKLESS ELECTRIC WATER HEATER, ONE 4700 WATT ELEMENT, 240V/1Ø/60HZ,
1 GPM . 5 RECOVERY @32°Δ T, DIMENSIONS 9-1/16" x 6-3/32", OPERATING WEIGHT 6 LBS.

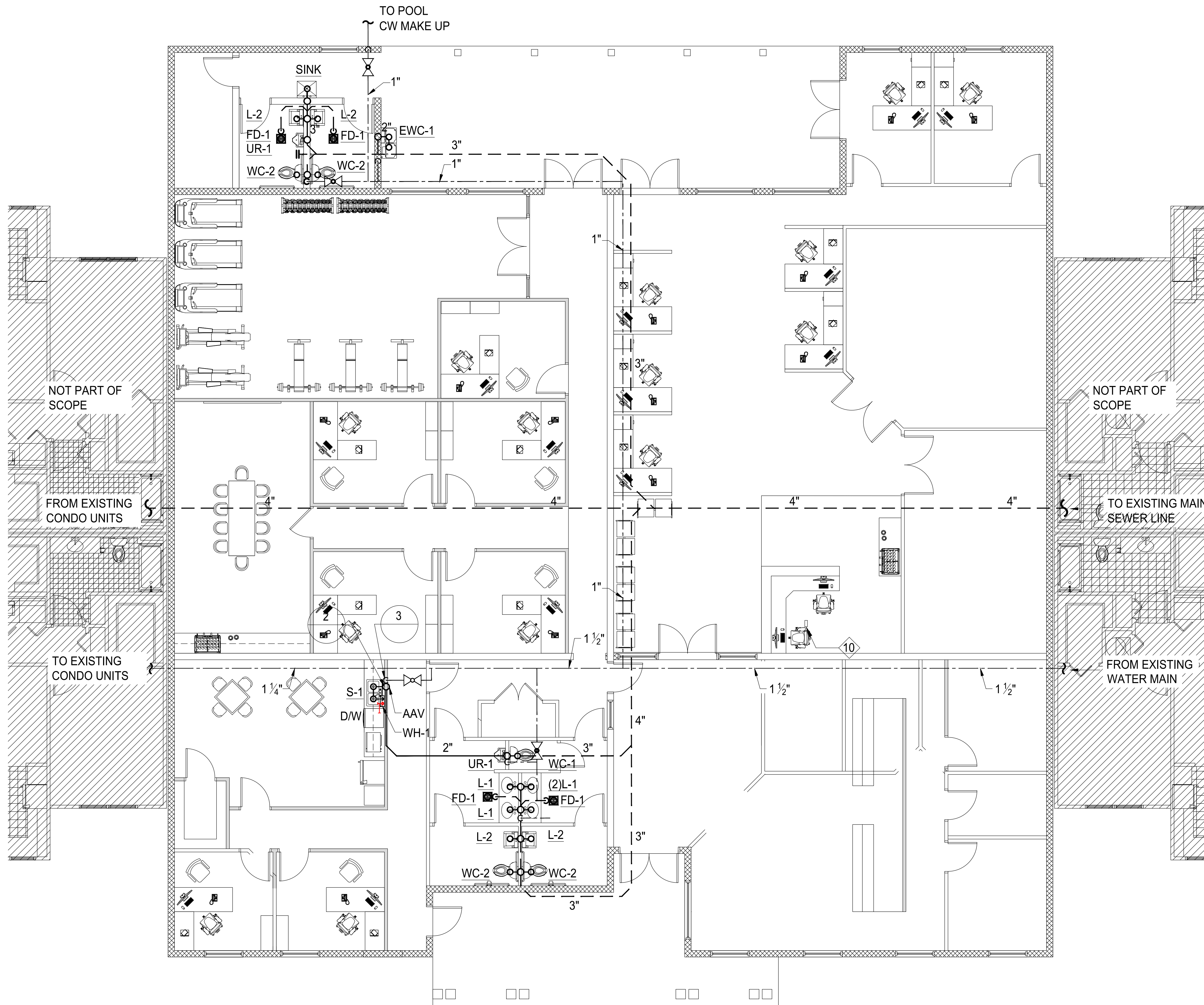
DETAIL OF INSTANTANEOUS HEATER

REVISION	DATE	BY	APP
1			
2			
3			
4			
5			
6			

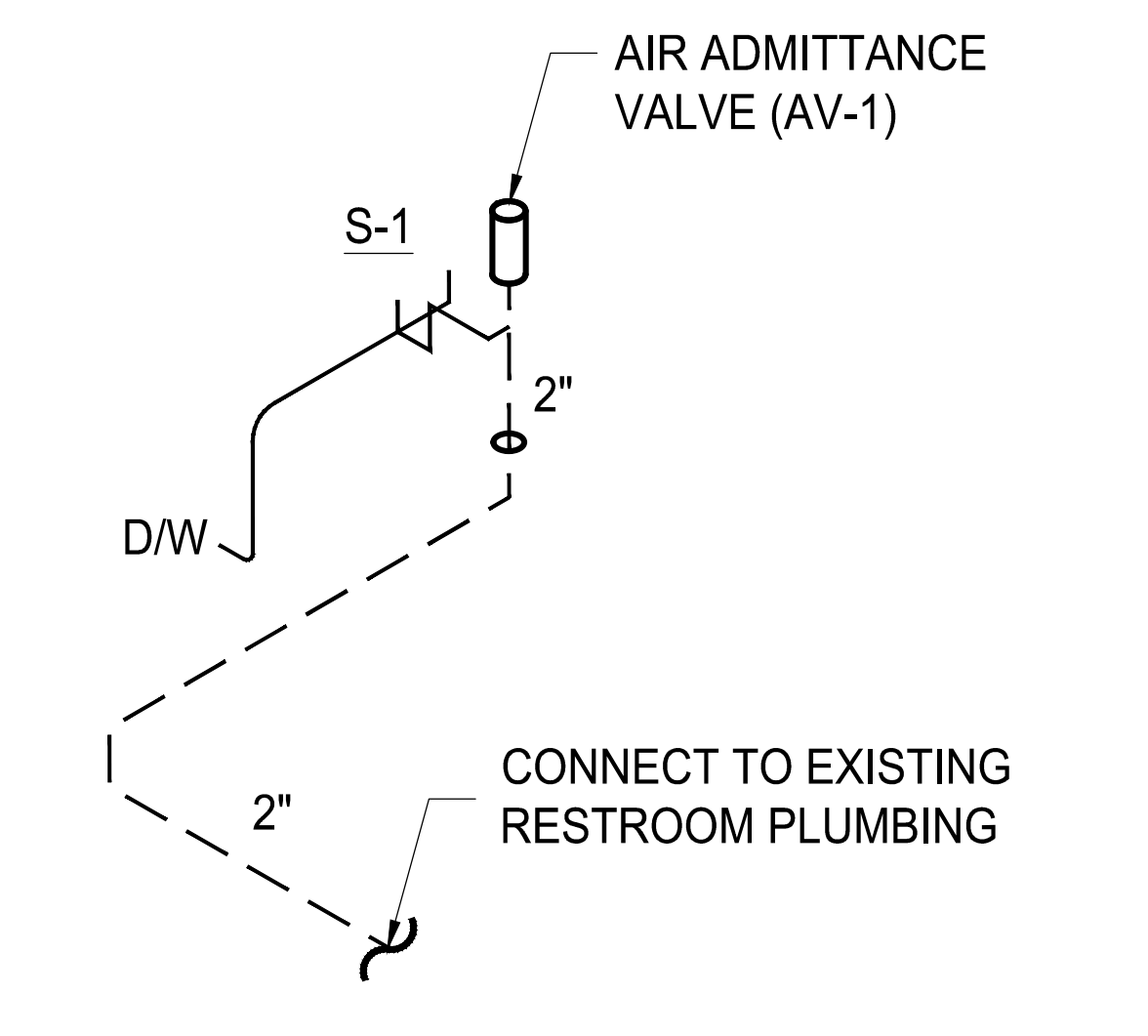
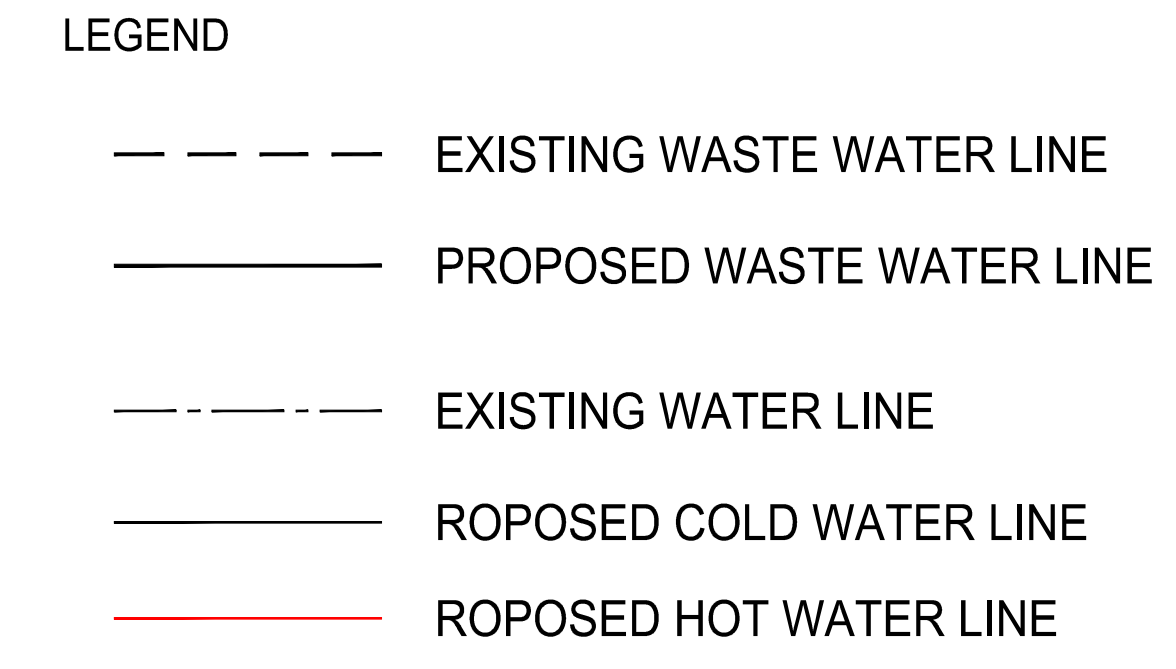
PROJECT NO. CDS-25-011
DATE: 1/30/2026
DRAWN: TT
CHECKED: KRL
SCALE: AS SHOWN
SHEET No:

P-001

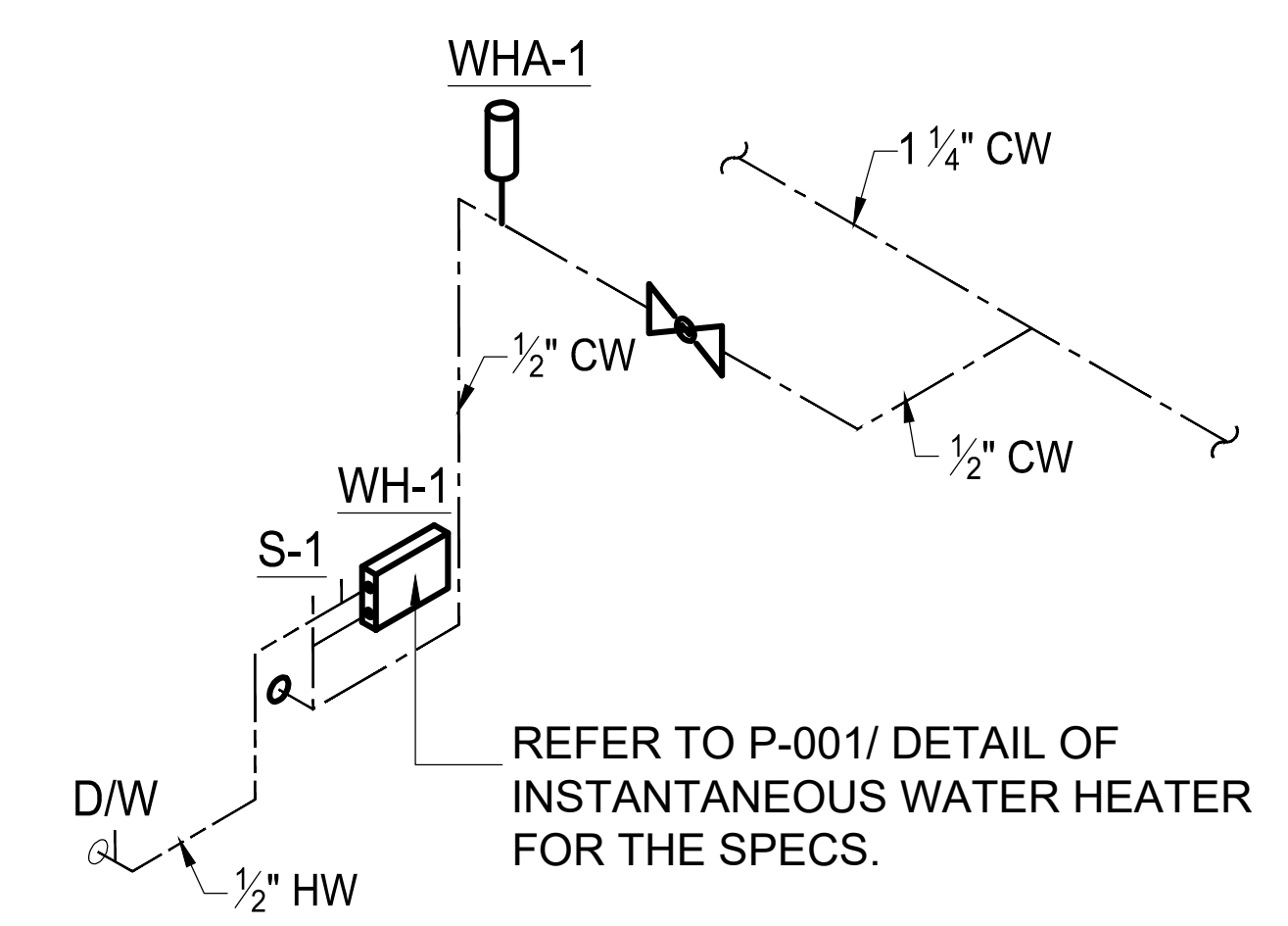
J:\Shared\02_Projects\02_CDS Architectural Projects\Runway Beach Club\CAD\25_011 New T-Block\CDS_25-011 P-101 -1



1 CLUBHOUSE - PLUMBING PLAN
SCALE: 3/16" = 1'-0"



2 WASTE WATER RISER
SCALE: 3/16" = 1'-0"



3 FRESH WATER RISER
SCALE: 3/16" = 1'-0"



CLIENT:
COLLINS GENERAL CONTRACTING, LLC
1485 N ATLANTIC AVE, SUITE 113
COCOA BEACH FL, 32931

PROJECT NAME:
CAPITAL VACATIONS CLUBHOUSE
3000 BONFIRE BEACH DRIVE
KISSIMMEE, FLORIDA 34746

SHEET TITLE:
CLUBHOUSE - PLUMBING PLAN

REVISION	
1	
2	
3	
4	
5	
6	

PROJECT NO. CDS-25-011
DATE: 1/30/2026
DRAWN: TT
CHECKED: KRLL
SCALE: AS SHOWN
SHEET No:

J:\Shared\02_Projects\02_CDS Architectural Projects\Runaway Beach Club\CAD\25_011 New T-Block\CDS_25-011 F-101-2



COLLINS GENERAL
CONTRACTING, LLC
1485 N ATLANTIC AVE, SUITE 113
COCOA BEACH FL, 32931

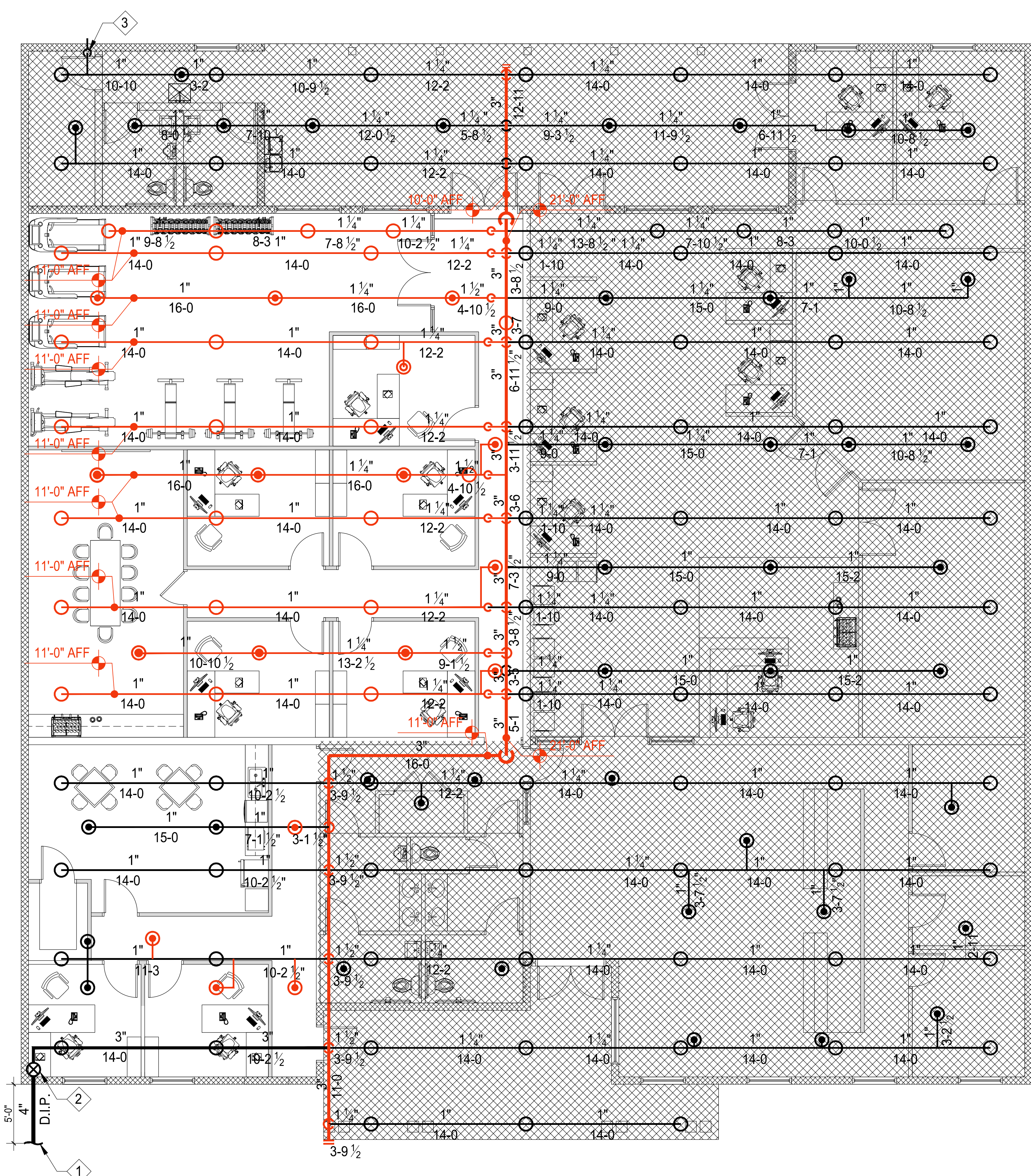
PROJECT NAME:
CAPITAL VACATIONS CLUBHOUSE
3000 BONFIRE BEACH DRIVE
KISSIMMEE, FLORIDA 34746

SHEET TITLE:
CLUBHOUSE FIRE PROTECTION PLAN

REVISION		
1		
2		
3		
4		
5		
6		

PROJECT NO. CDS-25-011
DATE: 10/8/25
DRAWN: TT
CHECKED: KRL
SCALE: AS SHOWN
SHEET No:

F-101



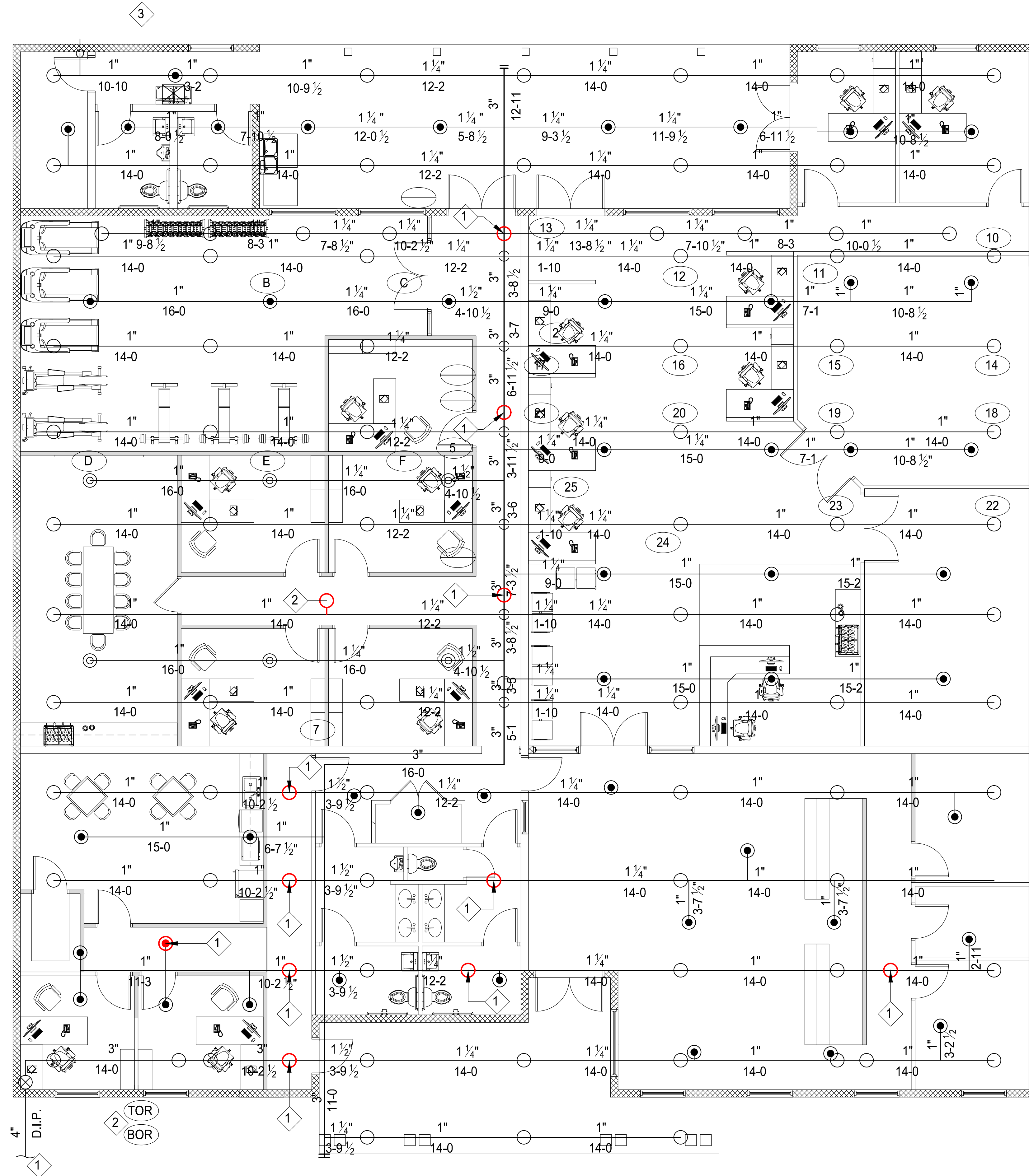
NOTE:

- 1 POINT OF CONNECTION IS 5'-0" OUTSIDE BUILDING; SEE SITE PLAN ON SHEET F1. 01 FOR CONTINUATION.
- 2 4" RISER IN CHASE WITH EXTERIOR ACCESS PANEL; SEE DETAIL ON SHEET F6. 02.
- 3 INSPECTOR'S TEST AND DRAIN; SEE RISER DETAIL ON SHEET F6. 02.

HEAD TYPE	MFG.	HEAD TYPE	MODEL	ORIFICE INCHES	K-FACTOR	TEMP.	FINISH	RESPONSE TIME TYPE
●	CENTRAL	RECESSED	GBQR	1/2"	5.6	155°	WHITE	QUICK
○	CENTRAL	UPRIGHT	GBQR	1/2"	5.6	200°	WHITE	QUICK

- EXIST TO REMAIN
- NEW LAYOUT FOR 10'-0" CEILING
- PIPE DROP
- ▨ OUT OF SCOPE

1 CLUBHOUSE - FIRE PROTECTION PLAN
SCALE: 3/16" = 1'-0"



NOTE:

1 ADDITIONAL SPRINKLER TO BE INSTALLED

FIRE SPRINKLER SCHEDULE								
HEAD TYPE	MFG.	HEAD TYPE	MODEL	ORIFICE INCHES	K-FACTOR	TEMP.	FINISH	RESPONSE TIME TYPE
●	CENTRAL	RECESSED	GBQR	1/2"	5.6	155°	WHITE	QUICK
○	CENTRAL	RECESSED	ELO LH	0.64"	11.4	155°	WHITE	STANDARD
○	CENTRAL	UPRIGHT	GBQR	1/2"	5.6	200°	WHITE	QUICK



CLIENT:
COLLINS GENERAL CONTRACTING, LLC
 1485 N ATLANTIC AVE, SUITE 113
 COCOA BEACH FL, 32931

PROJECT NAME:
CAPITAL VACATIONS CLUBHOUSE
 3000 BONFIRE BEACH DRIVE
 KISSIMMEE, FLORIDA 34746

SHEET TITLE:
CLUBHOUSE FIRE PROTECTION PLAN

REVISION	DATE	BY
1		
2		
3		
4		
5		
6		

PROJECT NO. CDS-25-011
 DATE: 08/27/25
 DRAWN: TT
 CHECKED: KRL
 SCALE: AS SHOWN
 SHEET No:

1 CLUBHOUSE - FIRE PROTECTION PLAN
 SCALE: 3/16" = 1'-0"