TRU HOTEL

-

STUART, FLORIDA 32904

PERMIT SET

07-11-2024

Construction Manager



VICINITY MAP



DECLARATIVE STATEMENT

TO THE BEST OF THE ARCHITECT'S OR ENGINEER'S KNOWLEDGE, THE PLANS AND SPECIFICATIONS COMPLY WITH THE APPLICABLE MINIMUM BUILDING CODES AND THE APPLICABLE FIRE-SAFETY STANDARDS AS DETERMINED BY THE LOCAL AUTHORITY IN ACCORDANCE WITH THE FLORIDA BUILDING CODE AND CHAPTER 633, FLORIDA STATUTES.

ADDRESS NUMBER SIGNAGE

PROPERTY ADDRESS NUMBERS SHALL BE PLACED IN A POSITION TO BE PLAINLY LEGIBLE AND VISIBLE FROM THE STREET FRONTING THE PROPERTY. ADDRESS NUMBERS MUST BE AT LEAST SIX [6] INCHES IN HEIGHT, ARABIC NUMERALS OR ALPHABET LETTERS WITH CONTRASTING COLOR OF ITS BACKGOUND.

PERMITS

GENERATOR PERMIT - SEPARATE
SITE LIGHTING PERMIT - SEPARATE
FIRE SPRINKLER SYSTEM PERMIT - SEPARATE
FIRE ALARM SYSTEM PERMIT - SEPARATE
DUMPSTER ENCLOSURE PERMIT - SEPARATE
SIGNAGE PERMIT - SEPARATE
POOL BUILDING PERMIT - SEPARATE

FIRE STOP SYSTEMS AND FIRE PROTECTION COATINGS SHALL BE INSPECTED AND CERTIFIED BY AN APPROVED 3RD PARTY STRUCTURAL WORK SHALL BE INSPECTED AND CERTIFIED BY AN APPROVED INDEPENDENT INSPECTOR AS REQUIRED BY THRESHOLD BUILDING STRUCTURAL INSPECTION SPECIFICATION

CODES

ALL CONSTRUCTION SHALL COMPLY WITH CURRENTLY ADOPTED CODES AND GUIDELINES, INCLUDING :

FLORIDA BUILDING CODE 8th EDITION (2023)
- Accessibility
- Building
- Energy Conservation
- Fuel Gas
- Mechanical
- Plumbing

Florida Fire Prevention Code 8th EDITION (2023)
Fire Code - NFPA 1 - 2021 EDITION
The Life Safety Code - NFPA 101 - 2021 EDITION
The National Electrical Code - NFPA 70 - 2020 EDITION

TRU HOTEL SUITES STANDARDS MANUAL 2023

STRUCTURAL DESIGN CRITERIA

Section 1609, FBC

ULTIMATE WIND SPEED.....160 MPH
NOMINAL WIND SPEED.....124 MPH
USE COEFFICIENTS FROM CHAPTER 16 F.B.C.
RISK CATEGORY.....2 EXPOSURE CATEGORY.....C

COMPONENTS AND CLADDING DESIGN WIND
PRESSURE (INCLUDING DOORS AND WINDOWS)..... NOMINAL +23.7, -25.7

FOUNDATION DESIGN BASED ON ALLOWABLE SOIL BEARING

DIRECTORY

OWNER
VICTORIA GARDENS INN LLC
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STRUCTURAL
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ARCHITECT
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FAX NUMBER:
ENGINEER: ADAM BARNEY
adam.barney@jlceng.com

CODE REVIEW

Florida Building Code:

CONSTRUCTION TYPE:
II-B TABLE 601 (SPRINKLERED PER SEC. 903.3.1 - NFPA 13)

OCCUPANCY:
R-1: PRIMARY OCCUPANCY
B: NON-SEPARATED 508.3
A-2/3: SEPARATED 1 HR PER 508.4

MAX TRAVEL DISTANCE ALLOWED:
R-1 = 250' (TABLE 1016.2)
B = 300' (TABLE 1016.2)
A = 250' (TABLE 1016.2)

ALLOWABLE BUILDING HEIGHT:
75'-0" (TABLE 504.3 TYPE II-B)

ACTUAL BUILDING HEIGHT:
57' - 8"

ALLOWABLE STORIES:
R-1: 5 (TABLE 504.4 TYPE II-B)

ACTUAL STORIES:
R-1 4

NFPA:

CONSTRUCTION TYPE:
II-000 SPRINKLERED PER NFPA 13

OCCUPANCY:
HOTEL: PRIMARY OCCUPANCY
BUSINESS: MIXED USE 6.1.14.1.3
MERCANTILE: MIXED USE 6.1.14.1.3
ASSEMBLY: SEPARATED 1 HR [TABLE 6.1.14.4.1(a)]

MAX TRAVEL DISTANCE ALLOWED:
R-1 = 250' (TABLE 1016.2)
B = 300' (TABLE 1016.2)
A = 250' (TABLE 1016.2)

PROJECT SUMMARY

4 STORY HOTEL WITH 102 UNITS UNDER THE TRU HOTEL FRANCHISE

UNIT TYPE	DIMENSIONS			SHO/ TUB	UNIT BREAKDOWN				ADA UNIT/S	SPECIAL ACCESSORY UNIT/S	HEARING IMPAIRED UNIT/S	TOTAL AREA	OCCUPANCY LOAD COMPUTATION	TOTAL OCCUPANCY LOAD	FLOOR UNITS TOTAL
	LENGTH	WIDTH	AREA		1ST	2ND	3RD	4TH							
KING STUDIO	22'-2"	12'-0"	266 SQ FT	SHO		16	16	16			U-232; U-432	12,768 SQ FT	1/200 SQ FT	64	48
KING - STUDIO (SP ACC)	22'-2"	12'-0"	266 SQ FT	SHO		1	1	1		U-230, U-332, U-401	U-332	798 SQ FT	1/200 SQ FT	4	3
KING STUDIO - ADA - SHO	26'-2"	15'-8"	410 SQ FT	SHO	1				U-104		U-104	410 SQ FT	1/200 SQ FT	3	1
KING STUDIO - ADA - TUB	26'-2"	15'-8"	410 SQ FT	TUB		1	1	1	U-221,U-321,U-421		U-221, U-321, U-421	1,230 SQ FT	1/200 SQ FT	7	3
QQ - STUDIO	26'-2"	12'-0"	314 SQ FT	SHO	3	11	10	11			U-205	11,618 SQ FT	1/200 SQ FT	59	35
QQ - STUDIO (SP ACC)	26'-2"	12'-0"	314 SQ FT	SHO	1		1			U-106, U-305	U-305	628 SQ FT	1/200 SQ FT	4	2
QQ - STUDIO CONNECTING	26'-2"	12'-0"	314 SQ FT	SHO	1	2	2	2				2,198 SQ FT	1/200 SQ FT	11	7
QQ - STUDIO - ADA - SHO	28'-2"	15'-8"	442 SQ FT	SHO		1			U-215		U-215	442 SQ FT	1/200 SQ FT	3	1
QQ - STUDIO - ADA - TUB	28'-2"	15'-8"	442 SQ FT	TUB			1	1	U-315, U-415		U-315, U-415	884 SQ FT	1/200 SQ FT	5	2

TOTAL ADA UNITS: 7 TOTAL UNITS: 102

NOTE: ALL HEARING IMPARED GUESTROOM UNITS ARE ALSO TAGGED ON BUILDING FLOOR PLANS TO SHOW LOCATION

INDEX

GENERAL INFORMATION	
A0.0	COVER SHEET
A0.1	BUILDING ANALYSIS
ARCHITECTURAL	
A1.1	SITE PLAN
A1.2	SITE ROOF PLAN
A1.3	WALL SCHEDULE
A1.4	WALL SCHEDULE
A1.5	WALL SCHEDULE
A2.1	1ST FLOOR BUILDING PLAN
A2.2	2ND FLOOR BUILDING PLAN
A2.3	3RD FLOOR BUILDING PLAN
A2.4	4TH FLOOR BUILDING PLAN
A2.5	ROOF PLAN
A2.6	1ST FLOOR REFLECTED CEILING PLAN
A2.7	2ND FLOOR REFLECTED CEILING PLAN
A2.8	3RD FLOOR REFLECTED CEILING PLAN
A2.9	4TH FLOOR REFLECTED CEILING PLAN
A2.10	1ST FLOOR FINISH PLAN
A2.11	TYPICAL FLOOR FINISH PLAN
A2.12	1ST FLOOR WALL FINISH PLAN
A2.13	TYPICAL FLOOR WALL FINISH PLAN
A3.1	BUILDING ELEVATIONS
A3.2	BUILDING ELEVATIONS
A4.1	BUILDING SECTIONS
A4.2	BUILDING SECTIONS
A4.3	BUILDING SECTIONS
A5.1	WALL SECTIONS
A5.2	WALL SECTIONS
A5.3	STAIR PLAN SECTIONS
A5.4	ELEVATOR & ELEVATOR LOBBY PLANS
A5.5	ELEVATOR & CHUTE SECTIONS
A5.6	DUMPSTER PLAN AND DETAILS
A6.1	ENLARGED 1ST FLOOR PLAN - PUBLIC AREA
A6.2	ENLARGED 1ST FLOOR PLAN - SERVICE AREA
A6.3	ENLARGED 1ST FLOOR RCP - PUBLIC AREA
A6.4	ENLARGED 1ST FLOOR FURNITURE PLAN
A6.5	INTERIOR ELEVATIONS
A6.6	KING STUDIO - SHO
A6.7	KING STUDIO - SHO - SP ACC
A6.8	KING STUDIO - ADA - SHO
A6.9	KING STUDIO - ADA - TUB
A6.10	QQ STUDIO - SHO
A6.11	QQ STUDIO - SHO - SP ACC
A6.12	QQ STUDIO - SHO - CONNECTING
A6.13	QQ STUDIO - ADA - SHO
A6.14	QQ STUDIO - ADA - TUB
A6.15	PORTE COCHERE PLANS
A6.16	POOL PLANS
A6.17	FIRE PIT PLANS
A6.18	ENTRANCE CANOPY
A7.1	DOOR & HARDWARE SCHEDULES
A7.2	DOOR DETAILS
A7.3	WINDOW SCHEDULES
A7.4	WINDOW SCHEDULES
A7.5	WINDOW DETAILS
A8.1	DETAILS
A8.2	DETAILS
A8.3	DETAILS
A8.4	DETAILS
A8.5	DETAILS
A8.6	DETAILS
A9.1	MILLWORK - FRONT DESK
A9.2	MILLWORK - FRONT DESK
A9.3	MILLWORK - ISLAND & COFFEE STATION
A9.4	MILLWORK - BREAKFAST
A9.5	MILLWORK - CEILING ALCOVE
A9.6	MILLWORK - MEDIA WALL
A9.7	MILLWORK - ICE & FITNESS
A9.8	MILLWORK - BREAKROOM
A10.1	SPECS
A10.2	SPECS
A10.3	SPECS
LS1.1	LIFE SAFETY PLAN - 1ST FLOOR
LS1.2	LIFE SAFETY PLAN - 2ND FLOOR
LS1.3	LIFE SAFETY PLAN - 3RD FLOOR
LS1.4	LIFE SAFETY PLAN - 4TH FLOOR
LS1.5	ADA DETAILS
LS1.6	FIXTURE SCHEDULE
LS1.7	UL DETAILS
LS1.8	UL DETAILS
LS1.9	UL DETAILS
LS1.10	UL DETAILS
LS1.11	UL DETAILS
LS1.12	UL DETAILS
LS1.13	UL DETAILS

STRUCTURAL	
S0.1	GENERAL CONDITIONS
S0.2	STRUCTURAL STEEL & ABBREVIATIONS
S0.3	STRUCTURAL THRESHOLD INSPECTION PLAN
S2.1	1ST FLOOR PLAN - STRUCTURAL
S2.2	2ND FLOOR PLAN - STRUCTURAL
S2.3	3RD FLOOR PLAN - STRUCTURAL
S2.4	4TH FLOOR PLAN - STRUCTURAL
S2.5	ROOF PLAN - STRUCTURAL
S2.6	BUILDING SECTIONS
S2.7	BUILDING SECTIONS
S3.1	DETAILS
S3.2	DETAILS
S3.3	ELEVATOR SECTIONS & DETAILS
S3.4	CONCRETE SCHEDULE & DETAILS
S3.5	DETAILS
S3.6	TYP. DETAILS
S3.7	TYP. DETAILS
S3.8	DETAILS
MECHANICAL	
M0.1	LEGEND, ABBREVIATIONS & GENERAL NOTES
M2.1	FIRST FLOOR PLAN
M2.2	SECOND FLOOR PLAN
M2.3	THIRD FLOOR PLAN
M2.4	FOURTH FLOOR PLAN
M2.5	ROOF PLAN
M3.1	SCHEDULES
M3.2	SCHEDULES
M4.1	DETAILS
M4.2	DETAILS
M4.3	DETAILS
M4.4	DETAILS
M4.5	DETAILS
M4.6	SYSTEMS
M5.1	BATH EXHAUST DIAGRAMS
M5.2	OUTSIDE AIR RISER DIAGRAMS
M7.1	SPECIFICATIONS
ELECTRICAL	
E0.1	LEGEND, ABBREVIATIONS & GENERAL NOTES
E1.1	SITE PLAN
E2.1	1ST FLOOR PLAN - POWER & SYSTEMS
E2.1A	FIRST FLOOR PLAN - LIGHTING
E2.2	SECOND FLOOR PLAN - POWER & SYSTEMS
E2.2A	SECOND FLOOR PLAN - LIGHTING
E2.3	THIRD FLOOR PLAN - POWER & SYSTEMS
E2.3A	THIRD FLOOR PLAN - LIGHTING
E2.4	FOURTH FLOOR PLAN - POWER & SYSTEMS
E2.4A	FOURTH FLOOR PLAN - LIGHTING
E2.5	ROOF PLAN - ELECTRICAL
E4.1	ENLARGED GUESTROOM PLANS
E4.2	ENLARGED GUESTROOM PLANS
E5.1	ENLARGED ELECTRICAL ROOM PLAN
E5.2	ENLARGED PANTRY& BUFFET PLAN
E5.3	ENLARGED ELEVATOR PLAN
E6.1	POWER RISER DIAGRAM
E7.1	PANEL SCHEDULES
E7.2	PANEL SCHEDULES
E7.3	PANEL SCHEDULES
E7.4	PANEL SCHEDULES
E7.5	PANEL SCHEDULES
E7.6	PANEL SCHEDULES
E7.7	PANEL & LIGHTING FIXTURE SCHEDULES
E8.1	DETAILS
E9.1	SPECIFICATIONS
PLUMBING	
P0.1	LEGEND, SPECIFICATIONS & GENERAL NOTES
P1.1	SITE PLAN
P2.0	FIRST FLOOR PLAN - BELOW GROUND PLUMBING
P2.1A	FIRST FLOOR PLAN - BELOW GROUND PLUMBING
P2.2	SECOND FLOOR PLAN - PLUMBING
P2.3	THIRD FLOOR PLAN - PLUMBING
P2.4	FOURTH FLOOR PLAN - PLUMBING
P2.5	ROOF PLAN
P4.1	ENLARGED GUESTROOM PLANS
P4.2	ENLARGED GUESTROOM PLANS
P4.3	ENLARGED PANTRY, WATER HEATER & RESTROOM PLANS
P5.1	SANITARY RISER DIAGRAMS
P5.2	CONDENSATE DRAIN RISER DIAGRAMS
P5.3	WATER RISER DIAGRAMS
P6.1	SCHEDULES
P6.2	SCHEDULES
P7.1	DETAILS
P7.2	DETAILS
P7.3	DETAILS

GENERAL NOTES

1. THE CONTRACTOR SHALL VISIT THE FACILITY AND BECOME THOROUGHLY FAMILIAR WITH THE EXISTING CONDITIONS PRIOR TO BIDDING. IT IS THE RESPONSIBILITY OF THE CONTRACTOR AND EACH OF HIS SUBCONTRACTORS TO REVIEW ALL DRAWINGS, PROJECT MANUAL, ADDENDA ETC. TO ASSURE COORDINATION OF ALL WORK AFFECTING EACH TRADE. FAILURE TO REVIEW ALL CONTRACT DOCUMENTS FOR APPLICABLE ITEMS OF WORK SHALL NOT RELIEVE THE RESPONSIBLE PARTY FROM PERFORMING ALL WORK REQUIRED.
2. ITEMS NOT IN CONTRACT - ALL ITEMS IDENTIFIED AS NOT IN CONTRACT (N.I.C.) ARE TO BE FURNISHED BY THE OWNER. CONSULT THE OWNER FOR ANY ADDITIONAL REQUIRED INFORMATION NOT SHOWN.
3. COORDINATION - CONTRACTOR SHALL COORDINATE REQUIREMENTS OF ALL TRADES TO ALLOW FOR TIMELY INCLUSION IN THE WORK ALL REQUIRED ITEMS SO AS NOT TO DELAY THE WORK OR THE WORK OF ANY SUBCONTRACTOR.
4. CONTRACTOR SHALL VERIFY CONSTRUCTION IS COMPLETE AND IN ACCORDANCE WITH THE CONTRACT DOCUMENTS PRIOR TO INSPECTION BY THE AUTHORITY HAVING JURISDICTION. CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING ALL REQUIRED INSPECTIONS AND APPROVALS IN ALL FIELDS OF HIS WORK. NOTIFY THE ARCHITECT PRIOR TO INSPECTION OF ANY DEFICIENCIES OBSERVED.
5. GENERAL CONSTRUCTION PROCEDURES. INCLUDING BUT NOT LIMITED TO, INSURANCE AND BONDS, CONTRACT BIDDING AND NEGOTIATIONS, LIENS, CHANGE ORDERS, TESTING PROCEDURES, SUBMITTALS, UBCI AND OTHER REQUIRED INSPECTIONS, WARRANTIES, ETC., SHALL COMPLY WITH CURRENT FLORIDA BUILDING CODE, LATEST EDITION. PRIOR TO COMMENCING WITH ANY WORK, THE CONTRACTOR SHALL FILE WITH THE OWNER, EVIDENCE OF INSURANCE WHICH SHALL CONTAIN ENDORSEMENTS AS REQUIRED BY THE FLORIDA BUILDING CODE.
6. CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING CONDITIONS AT THE JOB SITE SO AS TO MEET THE REQUIREMENTS OF THE OCCUPATIONAL SAFETY AND HEALTH ACT (O.S.H.A.), DURING THE THE ENTIRE CONSTRUCTION PERIOD. THIS PROVISION SHALL COVER THE CONTRACTOR'S EMPLOYEES AND ALL OTHER PERSONS WORKING UPON OR VISITING THE SITE. THE CONTRACTOR SHALL ADVISE AND INFORM HIS EMPLOYEES, SUBCONTRACTORS, AND SUPPLIERS OF ALL O.S.H.A. REQUIREMENTS.
7. CONTRACTOR SHALL PROVIDE GALVANIC INSULATION BETWEEN ALL DISSIMILAR METALS TO BE USED WITHIN THE SCOPE OF WORK.
8. CONTRACTOR SHALL BE RESPONSIBLE FOR SECURITY OF ALL MATERIALS STORED ON SITE UNTIL FINAL ACCEPTANCE OF WORK BY OWNER.
9. SITE USAGE - USE OF THE SITE FOR ANY CONSTRUCTION STAGING OR OTHER OPERATIONS SHALL BE COORDINATED WITH THE OWNER. TAKE CARE NOT TO BLOCK OR ADVERSELY AFFECT ANY PUBLIC OR ADJACENT OWNER AREAS, OR OTHER AREAS NOT WITHIN THE CONSTRUCTION LIMITS.
10. EXIT ACCESS - MAINTAIN FREE, SAFE AND APPROVED MEANS OF EGRESS IN AND OUT OF PROJECT LOCATION AND ANY OCCUPIED BUILDING(S) IN ACCORDANCE WITH REQUIREMENTS OF APPLICABLE REGULATORY AGENCIES.
11. SPECIFICATIONS - REQUIREMENTS OF THE SPECIFICATIONS APPLY TO ALL ASPECTS OF THE WORK AND ARE INCLUDED AS ADDITIONAL INFORMATION FOR EACH ITEM SO SPECIFIED. IF DISCREPANCIES EXIST BETWEEN SPECIFICATIONS AND DRAWINGS, THE MORE STRINGENT REQUIREMENT(S) SHALL PREVAIL. NOTIFY THE ARCHITECT OF ANY DISCREPANCIES TO OBTAIN CLARIFICATION.
12. ALL WORK SHALL BE PERFORMED IN A FIRST CLASS, WORKMANLIKE MANNER MATCHING AND ALIGNING ALL SURFACES, WHERE APPLICABLE, TO AFFORD A FINISHED AND CLEAN APPEARANCE. THE CONTRACTOR SHALL CLEAN ALL SURFACES AND REMOVE ALL DIRT AND REFUSE CAUSED BY DEBRIS FROM INSTALLATION TECHNIQUES OF EACH TRADE. ADJACENT EXISTING SURFACES SHALL BE LEFT AS THEY APPEARED PRIOR TO THE COMMENCEMENT OF WORK UNDER THIS CONTRACT.
13. ALL WORK AND MATERIALS SHALL BE INSTALLED IN STRICT ACCORDANCE WITH MANUFACTURER'S AND INDUSTRY'S RECOMMENDATIONS OR SPECIFICATIONS. SUBMIT SHOP DRAWINGS AS REQUIRED.
14. NO SUBSTITUTIONS ARE ALLOWED FOR MATERIALS WHERE SPECIFIC MANUFACTURERS ARE INDICATED, UNLESS APPROVED BY THE OWNER / ARCHITECT. WHERE APPROVED EQUAL IS USED, IT SHALL BE UNDERSTOOD THAT THE SUBSTITUTE SHALL BE PER JUDGMENT AND APPROVAL OF THE OWNER / ARCHITECT. REQUESTS FOR SUBSTITUTIONS SHALL BE MADE IN WRITING PRIOR TO ORDERING MATERIALS OR COMMENCING WORK. SUCH REQUESTS SHALL INCLUDE THE DATE, SCOPE OF WORK, ANY ADDITIONAL COSTS OR SAVINGS TO THE OWNER, AND ANY ANTICIPATED DELAYS TO THE CONSTRUCTION SCHEDULE CAUSED BY SUCH CHANGES.
15. UNLESS OTHERWISE NOTED, PROVIDE ALL MISCELLANEOUS FASTENERS, HARDWARE AND ACCESSORIES AS REQUIRED FOR COMPLETE INSTALLATION, EVEN THOUGH SUCH ITEMS MAY NOT HAVE BEEN SPECIFICALLY MENTIONED IN THE DRAWINGS AND SPECIFICATIONS. NOTIFY THE ARCHITECT OF ANY REVISIONS OR ADDITIONAL INFORMATION OBTAINED FROM THE MANUFACTURER OF SPECIFIED MATERIALS OR EQUIPMENT WHICH MAY AFFECT THE CONTRACT TIME, COST OR QUALITY OF WORK.
16. QUALITY STANDARDS - ALL MATERIAL FURNISHED AND INCORPORATED IN THE WORK SHALL BE NEW AND UNUSED. ALL WORKMANSHIP AND MATERIALS SHALL BE GUARANTEED FOR A PERIOD OF TWO YEARS FROM THE CERTIFICATE OF OCCUPANCY DATE, UNLESS SPECIFIED FOR A LONGER PERIOD OF TIME ON SPECIFIED ITEMS. THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR REPLACING OR REPAIRING HIS OWN DEFECTIVE WORK AS WELL AS ALL COSTS INCIDENTAL THERETO INCLUDING DAMAGE TO OTHER WORK, FURNISHINGS, MATERIALS, AND/OR EQUIPMENT. ALL WARRANTIES OR GUARANTEES AS TO MATERIALS OR WORKMANSHIP ON OR WITH RESPECT TO THE OWNERS' WORK SHALL BE CONTAINED IN THE CONTRACT OR SUBCONTRACT WHICH SHALL BE SO WRITTEN THAT SUCH GUARANTEE OR WARRANTIES SHALL INSURE TO THE BENEFIT OF THE OWNER.
17. EXISTING CONDITIONS - ALL DIMENSIONS FOR EXISTING CONDITIONS ARE TO BE VERIFIED IN FIELD (V.I.F.) BY THE CONTRACTOR. THE EXISTING CONDITIONS SHOWN ON THESE DRAWINGS ARE BASED ON INFORMATION PROVIDED TO THE ARCHITECT. THE CONTRACTOR SHALL VERIFY ALL EXISTING CONDITIONS ON THE JOB SITE AND NOTIFY THE ARCHITECT OF DEVIATIONS FROM THESE DRAWINGS PRIOR TO INSTALLATION. ANY DISCREPANCIES IN DIMENSIONS OR SPECIAL MODIFICATIONS REQUIRED DUE TO FIELD CONDITIONS SHALL BE REPORTED IN WRITING TO THE ARCHITECT FOR CLARIFICATION, APPROVAL OR MODIFICATION PRIOR TO COMMENCEMENT OF WORK INVOLVED. THE RESPONSIBILITY FOR ANY CHANGES MADE IN FIELD WITHOUT PRIOR NOTIFICATIONS TO THE ARCHITECT, SHALL REST WITH THE CONTRACTOR OR ANY PERSON APPROVING SUCH CHANGE.

PERMIT SET
07-11-2024

AA C000606
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ARCHITECTS AND PLANNERS
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TRU HOTEL BY HILTON
RAJ PATEL
STUART, FLORIDA

REVISION

JOB NO.
22039

DATE
07-11-2024

SHEET
A0.0

FIRE RATING ANALYSIS

EXTERIOR BEARING WALLS	0 HOURS	GUESTROOM PARTY WALLS	1 HOUR
STAIRWELL SHAFTS, ELEV SHAFT & LAUNDRY CHUTE SHAFT	2 HOURS	DOORS IN 2 HOUR RATED WALLS	90 MINUTES
HOLLOW CORE FLOOR / CEILING ASSEMBLY BETWEEN FLOORS	1 HOUR	DOORS IN 1 HOUR RATED WALLS	45 MINUTES
SEPARATION WALLS	1 HOUR	GUESTROOM ENTRANCE DOOR	20 MINUTES

NOTE:

1. REFER TO UL DETAILS FOR RATED ASSEMBLY REQUIREMENTS
2. WALL RATINGS ALSO REFLECTED ON FLOOR PLAN (LIFE SAFETY PLAN)

CEILING WALL FIRE RESISTANT CLASS

EXIT ENCLOSURES	CLASS A	ROOMS AND ENCLOSED SPACES	CLASS A,B,C
LOBBYS AND CORRIDORS	CLASS A, B		

FLOOR FIRE RESISTANT CLASS

EXITS, CORRIDORS AND NOT ENCLOSED SPACES	CLASS II	ROOMS AND ENCLOSED SPACES	CLASS I, II

STC RATING REQUIREMENTS

GUESTROOM TO EXTERIOR	STC 50	GUESTROOM FLOOR / CEILING	STC 50
GUESTROOM TO GUESTROOM	STC 50	CORRIDOR TO MECHANICAL, LAUNDRY, SERVICE.ROOMS	STC 50
GUESTROOM FROM PUBLIC AREA	STC 50	GUESTROOM TO GUESTROOM	55 IIC
GUESTROOM TO BACK OF HOUSE	STC 60	GUESTROOM SLEEPING AREA TO MECHANICAL ROOM	55 IIC

AREA AND OCCUPANCY SCHEDULE

BUILDING CONTRUCTION: TYPE II-B (SPRINKLED) — BLDG HEIGHT: 57'-8"

LEVEL	AREA	SPACE	AREA	% OCC	OCCUPANCY
1ST FLOOR	**15,838** SQ FT				
		GUEST UNITS (R1)	1980 SQ FT	1/200 SQ FT	10 PERSONS
		ASSEMBLY AREA (A2)	2764 SQ FT	1/15 SQ FT	185 PERSONS
		OFFICE/BRKR (BUSINESS AREA)	1078 SQ FT	1/150 SQ FT	8 PERSONS
		FITNESS CENTER	654 SQ FT	1/50 SQ FT	14 PERSONS
		LAUNDRY/PANTRY (FACTORY)	1193 SQ FT	1/100 SQ FT	12 PERSONS
		STORAGE	1254 SQ FT	1/300 SQ FT	5 PERSONS
		FRONT DESK (MERCANTIL)	374 SQ FT	1/60 SQ FT	7 PERSONS
		POOL	1760 SQ FT	1/15 SQ FT	118 PERSONS
				TOTAL	354 PERSONS
2ND FLOOR	**13,391** SQ FT				
		GUEST UNITS	8433 SQ FT	1/200 SQ FT	43 PERSONS
		HOUSEKEEPING/ELEC	260 SQ FT	1/200 SQ FT	2 PERSON
		BALCONY	499 SQ FT	1/15 SQ FT	34 PERSON
				TOTAL	79 PERSONS
3RD FLOOR	**12,523** SQ FT				
		GUEST UNITS	8433 SQ FT	1/200 SQ FT	43 PERSONS
		HOUSEKEEPING/ ELEC	260 SQ FT	1/200 SQ FT	2 PERSON
				TOTAL	45 PERSONS
4TH FLOOR	**12,523** SQ FT				
		GUEST UNITS	8433 SQ FT	1/200 SQ FT	43 PERSONS
		HOUSEKEEPING/ ELEC	260 SQ FT	1/100 SQ FT	2 PERSONS
				TOTAL	45 PERSONS

TOTAL BUILDING AREA: 64,896 SQ FT — MAXIMUM OCCUPANCY : 523 PERSONS

FIXTURE CALCULATIONS SCHEDULE

WATERCLOSET

OCCUPANCY	FBC CODE	OCC LOAD	REQUIRED	REMARKS
(A2) ASSEMBLY (FIXED SEATS)	1 PER 75 FEMALE	51 FEMALE	0.68 FEMALE	
(A2) ASSEMBLY (NON-FIXED SEATS)	1 PER 65 FEMALE	19 FEMALE	0.29 FEMALE	
(A2) FITNESS ROOM	1 PER 65 FEMALE	7 FEMALE	0.11 FEMALE	
(S) STORAGE	1 PER 100 FEMALE	1 FEMALE	0.01 FEMALE	
(F-1) LAUNDRY	1 PER 100 FEMALE	4 FEMALE	0.04 FEMALE	
(B) OFFICE	1 PER 25 FEMALE	5 FEMALE	0.2 FEMALE	
(A2) ASSEMBLY (FIXED SEATS)	1 PER 75 MALE	51 MALE	0.68 MALE	
(A2) ASSEMBLY (NON-FIXED SEATS)	1 PER 125 MALE	19 MALE	0.15 MALE	
(A2) FITNESS ROOM	1 PER 125 MALE	7 MALE	0.06 MALE	
(S) STORAGE	1 PER 100 MALE	1 MALE	0.01 MALE	
(F-1) LAUNDRY	1 PER 100 MALE	4 MALE	0.04 MALE	
(B) OFFICE	1 PER 25 MALE	5 MALE	0.2 MALE	

REQUIRED TOTAL: 2.18 — 2 WATERCLOSETS AND 1 URINAL PROVIDED

LAVATORY

OCCUPANCY	FBC CODE	OCC LOAD	REQUIRED	REMARKS
(A2) ASSEMBLY (FIXED SEATS)	1 PER 200 FEMALE	51 FEMALE	0.26 FEMALE	
(A2) ASSEMBLY (NON-FIXED SEATS)	1 PER 200 FEMALE	19 FEMALE	0.10 FEMALE	
(A2) FITNESS ROOM	1 PER 200 FEMALE	7 FEMALE	0.04 FEMALE	
(S) STORAGE	1 PER 100 FEMALE	1 FEMALE	0.01 FEMALE	
(F-1) LAUNDRY	1 PER 100 FEMALE	4 FEMALE	0.04 FEMALE	
(B) OFFICE	1 PER 40 FEMALE	5 FEMALE	0.125 FEMALE	
(A2) ASSEMBLY (FIXED SEATS)	1 PER 200 MALE	51 MALE	0.26 MALE	
(A2) ASSEMBLY (NON-FIXED SEATS)	1 PER 200 MALE	19 MALE	0.10 MALE	
(A2) FITNESS ROOM	1 PER 200 MALE	7 MALE	0.04 MALE	
(S) STORAGE	1 PER 100 MALE	1 MALE	0.01 MALE	
(F-1) LAUNDRY	1 PER 100 MALE	4 MALE	0.04 MALE	
(B) OFFICE	1 PER 40 MALE	5 MALE	0.125 MALE	

REQUIRED TOTAL: 1.15 — 2 LAVATORIES PROVIDED

DRINKING FOUNTAIN

OCCUPANCY	FBC CODE	OCC LOAD	REQUIRED	REMARKS
(A2) ASSEMBLY (FIXED SEATS)	1 PER 500 FEMALE	51 FEMALE	0.10 FEMALE	
(A2) ASSEMBLY (NON-FIXED SEATS)	1 PER 500 FEMALE	19 FEMALE	0.04 FEMALE	
(A2) FITNESS ROOM	1 PER 500 FEMALE	7 FEMALE	0.02 FEMALE	
(S) STORAGE	1 PER 1000 FEMALE	1 FEMALE	0.001 FEMALE	
(F-1) LAUNDRY	1 PER 400 FEMALE	4 FEMALE	0.01 FEMALE	
(B) OFFICE	1 PER 100 FEMALE	5 FEMALE	0.05 FEMALE	
(A2) ASSEMBLY (FIXED SEATS)	1 PER 500 MALE	51 MALE	0.26 MALE	
(A2) ASSEMBLY (NON-FIXED SEATS)	1 PER 500 MALE	19 MALE	0.10 MALE	
(A2) FITNESS ROOM	1 PER 500 MALE	7 MALE	0.02 MALE	
(S) STORAGE	1 PER 1000 MALE	1 MALE	0.001 MALE	
(F-1) LAUNDRY	1 PER 400 MALE	4 MALE	0.01 MALE	
(B) OFFICE	1 PER 100 MALE	5 MALE	0.05 MALE	

REQUIRED TOTAL: 0.662 — 1 PROVIDED

FBC TABLE 224.2 GUESTROOM W/ MOBILITY FEATURES

ROOMS PER FBC TABLE	ROOMS PROVIDED	ROLL-IN SHO		W/O ROLL-IN SHO		TOTAL
		FBC REQ	PROVIDED	FBC REQ	PROVIDED	
101-150	102	2	2	5	5	7

FBC TABLE 224.4 GUESTROOM W/ COMMUNICATIONS FEATURES

ROOMS PER FBC TABLE	ROOMS PROVIDED	FBC REQUIREMENT	PROVIDED	TOTAL
101-150	102	12	12	12

CODE CRITERIA

ALL CONSTRUCTION SHALL COMPLY WITH CURRENTLY ADOPTED CODES INCLUDING:

FLORIDA BUILDING CODE 8th EDITION (2023)
- Accessibility
- Building
- Energy Conservation
- Fuel Gas
- Mechanical
- Plumbing

Florida Fire Prevention Code 8th EDITION (2023)
Fire Code - NFPA 1 - 2021 EDITION
The Life Safety Code - NFPA 101 - 2021 EDITION
The National Electrical Code - NFPA 70 - 2020 EDITION

USE & OCCUPANCY CLASSIFICATION:

FBC - R1 (HOTEL); NFPA - HOTEL

TYPE OF CONSTRUCTION:

FBC - II B; NFPA - II (000)
SPRINKLERED

CODE REVIEW

CONSTRUCTION TYPE:
II-B TABLE 601 (SPRINKLERED PER SEC. 903.3.1 - NFPA 13)

OCCUPANCY:
R-1: PRIMARY OCCUPANCY
B: NON-SEPARATED 1-HR PER 508.3
A-2/3: NON-SEPARATED 1 HR PER 508.3

MAX TRAVEL DISTANCE ALLOWED:
R-1 = 250' (TABLE 1016.2)
B = 300' (TABLE 1016.2)
A = 250' (TABLE 1016.2)

ALLOWABLE BUILDING HEIGHT:
75'-0" (TABLE 504.3 TYPE II-B)

ACTUAL BUILDING HEIGHT:
57' - 8"

ALLOWABLE STORIES:
R-1: 5 (TABLE 504.33 TYPE II-B)

ACTUAL STORIES:
R-1 4

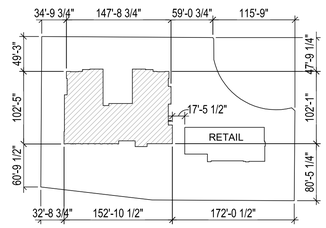
BUILDING AREA CALCULATION

ALLOWABLE BUILDING AREAS:
R-1 ALLOWABLE PER FLOOR = 48,000 s.f. per floor
(TABLE 503 TABULAR AREA)

ACTUAL BUILDING AREAS (GROSS):

FLOOR	AREA/FLR.	ALLOWABLE AREA
GROUND	15,838 S.F.	48,000 S.F.
2ND FLOOR	13,391 S.F.	48,000 S.F.
3RD FLOOR	12,523 S.F.	48,000 S.F.
4TH FLOOR	12,523 S.F.	48,000 S.F.
TOTAL	54,275 S.F.	192,000 S.F.

DISTANCE FROM PROPERTY LINES



NOTES

PER F.A.C. 64E-9.006 (2) (f) 4. - POOLSIDE SANITARY FACILITIES ARE NOT REQUIRED IF ALL LIVING UNITS ARE WITHIN A 200' HORIZONTAL RADIUS OF THE NEAREST WATERS EDGE . THIS BUILDING COMPLIES.

MEANS OF EGRESS

1. AREAS INCLUDED FOR OCCUPANT LOAD CALCULATION DO NOT INCLUDE CORRIDORS, STAIRS, RESTROOMS AND UNOCCUPIED AREAS.

2. THE NUMBER OF OCCUPANTS HAVE BEEN ROUNDED UP TO THE NEAREST WHOLE OCCUPANT

3. DESIGN OCCUPANT LOADPER FBC TABLE 1004.1.2: SEE CALCULATIONS BY OCCUPANCY THIS SHEET.
A. ACCESSORY STORAGE AREAS = 300 SF / OCCUPANT (GROSS)
B. ASSEMBLY W/O FIXED SEATS = 15 SF / OCCUPANT (NET)
C. BUSINESS AREAS = 100 SF / OCCUPANT (GROSS)
D. RESIDENTIAL = 200 SF/ OCCUPANT (GROSS)

4. NUMBER OF EXITS (FBC 1006):TWO EXITS SHALL BE REQUIRED FROM ANY SPACE WHERE THE OCCUPANT LOAD EXCEEDS THE FOLLOWING VALUES PER IBC TABLE 1015.1: SEE EXITING PLANS THIS SHEET.
A. GROUP A = 49 OCCUPANTS
B. GROUP B = 49 OCCUPANTS
C. GROUP R = 10 OCCUPANTS

5. SEPARATION OF EXITS (FBC 1007.1.1) WHERE TWO EXITS ARE REQUIRED THEY SHALL BE PLACED A DISTANCE APART EQUAL TO NOT LESS THAN 1/3 THE DIAGONAL DIMENSION OF THE AREA SERVED (EXCEPTION 2 SPRINKLERED BUILDING). SEE EXITING PLANS THIS SHEET FOR SEPARATION DIMENSIONS.

6. COMMON PATH OF EGRESS TRAVEL (FBC TBL. 1006.2.1):
SPACES WITH ONE EXIT OR EXIT ACCESS DOORWAY
A. GROUP A, R = 75 FT MAXIMUM.
B. GROUP B = 100 FT MAXIMUM.

7. EXIT ACCESS TRAVEL DISTANCE (FBC TBL. 1017.2):
A. GROUP A,R = 250 FT (SPRINKLERED)
B. GROUP B = 300 FT (SPRINKLERED)

EXIT ACCESS TRAVEL DISTANCE (FFPC-LSC 28.2.6.3.3.1):
A. GROUP NEW HOTEL = 200 FT (SPRINKLERED)
FROM GUEST ROOM TO EXIT

8. DEAD-END CORRIDORS (FFPC-LSC 39.2.5.2; 28.2.5.6)
A. GROUP B, R-1 (SPRINKLERED) = 50 FT.

9. EGRESS WIDTH (FBC 1005.1)SHALL NOT BE LESS THAN THE TOTAL OCCUPANT LOAD SERVED BY THE MEANS OF EGRESS MULTIPIED BY:
A. (SPRINKLERED EXCEPTION) .2 INCHES / OCCUPANT FOR STAIRS. PROPOSED STAIR WIDTH = 48" /.2 = 240 OCCUPANTS / STAIR ACCOMMODATED.
B. (SPRINKLERED EXCEPTION) .15 INCHES PER OCCUPANT FOR OTHER COMPONENTS
- PROPOSED 36" DOOR = 34"/.15 = 227 OCCUPANTS ACCOMMODATED
- PROPOSED RESIDENTIAL CORRIDOR WIDTH = 63" CLEAR/.15 = 420 OCCUPANTS ACCOMMODATED.
C. SEE EXITING PLANS FOR ACTUAL NUMBER OF OCCUPANTS.

10. MEANS OF EGRESS ILLUMINATION (IBC 1008)
A. PROVIDE ILLUMINATION LEVEL OF NOT LESS THAN 1 FOOT-CANDLE AT THE WALKING SURFACE AT ALL TIMES THE SPACE SERVED BY THE MEANS OF EGRESS IS OCCUPIED.
B. POWER SUPPLY TO BE PROVIDED BY PREMISES' ELECTRICAL SUPPLY. IN EVENT OF POWER SUPPLY FAILURE, AN EMERGENCY ELECTRICAL SYSTEM SHALL AUTOMATICALLY ILLUMINATE AREAS REQUIRED PER FBC 1008.3 INCLUDING: CORRIDORS, EXIT ENCLOSURES, EXIT PASSAGEWAYS, INTERIOR EXIT DISCHARGE ELEMENTS AND EXTERIOR LANDINGS FOR EXIT DISCHARGE DOORWAYS.
C. REFER TO ELECTRICAL PLANS OR BIDDER/DESIGN PLANS FOR SYSTEM DESIGN.

11. EXIT SIGNS (FBC 1013):
A. PROVIDE AN APPROVED EXIT SIGN AT ALL EXITS AND EXIT ACCESS DOORWAYS (FROM SPACES REQUIRING TWO EXITS) IN A LOCATION THAT IS READILY VISIBLE FROM ANY DIRECTION OF EGRESS TRAVEL. PLACE SIGNS SUCH THAT NO POINT IN CORRIDOR OR EXIT PASSAGEWAY IS MORE THAN 100 FT FROM THE NEAREST VISIBLE EXIT SIGN.
B. EXIT SIGNS SHALL BE INTERNALLY OR EXTERNALLY ILLUMINATED PER IBC 1011.4 AND 1011.5.
C. PROVIDE A TACTILE EXIT SIGN STATING "EXIT" AND COMPLYING WITH ICC A117.1 ADJACENT TO EACH DOOR TO AN AREA OF REFUGE, EXTERIOR AREA FOR ASSISTED RESCUE, EXIT STAIRWAY, EXIT RAMP, EXIT PASSAGEWAY AND EXIT DISCHARGE.

12. POSTING OF OCCUPANT LOAD (FBC 1004.3):
EVERY ROOM OR SPACE THAT IS AN ASSEMBLY OCCUPANCY SHALL HAVE THE OCCUPANT LOAD OF THE SPACE POSTED IN A CONSPICUOUS PLACE NEAR THE MAIN EXIT OR EXIT ACCESS DOORWAY. POSTED SIGNS SHALL BE OF AN APPROVED LEGIBLE PERMANENT DESIGN AND SHALL BE MAINTAINED. SEE OCCUPANCY & EGRESS PLANS THIS SHEET FOR OCCUPANT LOADS.

13. ALL AUDIBLE AND VISUAL ALARMS SHALL COMPLY WITH PROVISIONS OF NFPA 72.

PERMIT SET
07-11-2024

AA C000606

HARTER - ADAMS P.A.
ARCHITECTS AND PLANNERS
377 MAITLAND AVE, SUITE 2010, ALTAMONTE SPRINGS, FL 32701
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TRU HOTEL BY HILTON
RAJ PATEL
STUART, FLORIDA

Jacquin & Sons Construction JJSI.com CGC060475 80th ANNIVERSARY
Construction Manager

JOB NO.
22039

DATE
07-11-2024

SHEET
A0.1

SECTION 07170

BENTONITE WATERPROOFING

PART 1
GENERAL

1.1 RELATED DOCUMENTS
THE GENERAL PROVISION OF THE CONTRACT, INCLUDING GENERAL AND SUPPLEMENTARY
CONDITIONS AND GENERAL REQUIREMENTS, APPLY TO THE WORK SPECIFIED IN THIS SECTION.

1.2 DESCRIPTION OF WORK
THE EXTENT OF GEOTEXTILE/BENTONITE CLAY WATERPROOFING MEMBRANE IS SPECIFIED HEREIN.
FOR USE AT THE ELEVATOR PIT IN CONJUNCTIO0N WITH CCW MIRADRAIN.

1.3 RELATED WORK
A. CONCRETE
B. MASONRY BACKFILL
C. EXPANSION JOINTS

1.4 QUALITY ASSURANCE
A. MANUFACTURER: PROVIDE GEOTEXTILE/BENTONITE CLAY WATERPROOFING MEMBRANE PRODUCED BY A MANUFACTURER WITH A MINIMUM OF 5 YEARS EXPERIENCE IN THE WATERPROOFING INDUSTRY.
B. INSTALLER: A FIRM WITH A MINIMUM OF 2 YEARS EXPERIENCE IN INSTALLING BENTONITE CLAY OR OTHER RELATED WATERPROOFING PRODUCTS.
C. SHOTCRETE INSTALLATIONS SHOULD HAVE AN INDEPENDENT INSPECTOR TO RECORD AND MONITOR THE SHOTCRETE INSTALLATION.

1.6 WARRANTY
A. UPON COMPLETION AND ACCEPTANCE OF THE WORK REQUIRED BY THIS SECTION, THE MANUFACTURER WILL ISSUE A WARRANTY AGREEING TO PROMPTLY REPLACE DEFECTIVE MATERIALS FOR A PERIOD OF 5 YEARS.

1.7 PRODUCT DELIVERY, STORAGE AND HANDLING
A. DELIVER MATERIALS IN ORIGINAL MANUFACTURER'S PACKAGING AND STORE MATERIALS IN STRICT ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS.
B. REMOVE AND REPLACE PRODUCTS THAT HAVE BEEN PREMATURELY EXPOSED TO MOISTURE.

1.8 PROJECT CONDITIONS
A. INSTALL MATERIALS IN ACCORDANCE WITH ALL SAFETY AND WEATHER CONDITIONS REQUIRED BY THE MANUFACTURER.
B. INSTALL MATERIALS ONLY AFTER WORK ON THE APPLICABLE SUBSTRATE IS COMPLETE.
C. COMPLETE CAST-IN-PLACE REINFORCED COLUMNS PRIOR TO MEMBRANE INSTALLATION.

PART 2
PRODUCTS

2.1 WATERPROOFING SYSTEM
A. THE GEOTEXTILE/BENTONITE CLAY WATERPROOFING MEMBRANE SHALL BE CCW MIRACLAY SUPPLIED BY CARLISLE COATINGS & WATERPROOFING INCORPORATED, 900 HENSLEY LANE, WYLIE, TEXAS 75098, PHONE (800) 527-7092 FAX: (972) 442-0076.
B. PHYSICAL PROPERTIES FOR GEOTEXTILE/BENTONITE CLAY WATERPROOFING MEMBRANE:

CCW MIRACLAY PHYSICAL PROPERTIES:

PROPERTY	TEST METHOD	VALUE
BENTONITE CONTENT	--	1.0 LB./FT2 (.488 KG/M2)*
NOMINAL DRY THICKNESS	--	0.25 IN. (6.4 MM)
WEIGHT	--	75 LB. (34.05 KG)
PERMEABILITY	ASTM D 5084	5 X 10-9 CM/SEC
GRAB TENSILE STRENGTH	ASTM D 4632	95 LB. (422 N)
GRAB ELONGATION	ASTM D 4632	150%
PUNCTURE RESISTANCE	ASTM D 4	120 PSI (828 KPA)
HYDRATED INTERNAL SHEAR	ASTM D 5321	500 PSF (24 KPA)
SWELL INDEX	ASTM D 5890	2G (24 ML) MIN.
FLUID LOSS	ASTM D 5891	18 ML MAX

*@ 12% MOISTURE CONTENT

C. WATERPROOFING SYSTEM ACCESSORIES SUPPLIED BY WATERPROOFING MEMBRANE MANUFACTURER:

MASTIC: CCW MIRACLAY MASTIC IS USED FOR DETAILING AT TERMINATIONS AND PENETRATIONS. ALSO USED TO FILL MINOR VOIDS IN CONCRETE AND AS A FILLET IN ANGLE CHANGES.

GRANULES: CCW MIRACLAY GRANULES USED FOR HORIZONTAL TO VERTICAL TRANSITIONS AND FOR DETAILING AT SEAMS AND SLAB PENETRATIONS.

WATERSTOP: CCW MIRASTOP USED AS A WATERSTOP AT COLD CONCRETE POURS AND BETWEEN PRE-CAST CONCRETE PANELS.

D. MEMBRANE TO SUBSTRATE FASTENERS: FASTENERS, OF THE TYPE AND LENGTH SUITABLE FOR THE SUBSTRATE, SHALL BE USED IN CONJUNCTION WITH WASHERS, OF AT LEAST 1" DIAMETER, TO ATTACH THE GEOTEXTILE/BENTONITE CLAY WATERPROOFING MEMBRANE TO THE SUBSTRATE.
E. MEMBRANE TO MEMBRANE FASTENERS: MECHANICALLY FASTEN MEMBRANE SHEETS TOGETHER WITH A BOX-STAPLER OR SIMILAR DEVICE FOR HORIZONTAL APPLICATIONS.
F. THE GEOTEXTILE/BENTONITE MEMBRANE SHALL CONSIST OF GEOTEXTILE PANELS OF SODIUM BENTONITE CLAY SANDWICHED BETWEEN TWO LAYERS OF NEEDLE-PUNCHED WOVEN AND NON-WOVEN POLYPROPYLENE FABRICS.
G. DRAINAGE COMPOSITE: SHALL BE CCW MIRADRAIN® AS RECOMMENDED BY THE MANUFACTURER FOR EACH CONDITION.
H. PERIMETER DRAINAGE SYSTEM: WHERE REQUIRED SHALL BE CCW QUICKDRAIN™.

PART 3
EXECUTION

3.1 INSPECTION
A. EXAMINE SUBSTRATE AND CONDITION UNDER WHICH WATERPROOFING WILL BE INSTALLED. DO NOT PROCEED WITH THE WORK UNTIL UNSATISFACTORY CONDITIONS HAVE BEEN CORRECTED.

3.2 SURFACE PREPARATION

A. LAGGING, CONCRETE CASSIONS, SHOTCRETE OR GUNITE APPLICATIONS:
1. FILL ALL SPACES THAT ARE OVER 1" (25MM) IN WIDTH WITH GROUT OR CONCRETE TO A SMOOTH AND UNIFORM SURFACE. COVER LARGE GAPS WITH 1/2" (12MM) PLYWOOD OR CCW MIRADRAIN 6000 OR 6000XL.
2. TROWEL CCW MIRACLAY MASTIC AROUND ALL TIEBACK PLATES AND SOLDIER BEAMS A MINIMUM OF 1 1/2" (39MM) THICK AND EXTEND A MINIMUM OF 4" (10CM) BEYOND THE FLANGE.
3. REMOVE PROJECTIONS FROM THE WALL SURFACE IN EXCESS OF 3/4" (20MM).
C. GRADE SUBSTRATES: SHALL BE LEVEL AND UNIFORM THAT IS COMPACTED TO A MINIMUM OF 85% MODIFIED PROCTOR.
D. CONCRETE APPLICATION:
1. APPLY CCW MIRACLAY MASTIC TO ALL CONSTRUCTION JOINTS AT A MINIMUM OF 1/4" (7MM) THICKNESS AND A 3" (8CM) MINIMUM WIDTH.
2. REMOVE PROJECTIONS FROM THE WALL SURFACE IN EXCESS OF 3/4" (20MM).

E. HONEYCOMBING, VOIDS AND AGGREGATE POCKETS EXCEEDING 1 INCH IN DIAMETER OR HAVE A DEPTH GREATER THAN 3/4 INCH SHOULD BE FILLED WITH A NON-SHRINK CEMENTITIOUS GROUT. FILL TIE-ROD HOLES WITH A NON-SHRINK CEMENTITIOUS GROUT.

3.3 INSTALLATION

A. Prevent geotextile/bentonite clay waterproofing membrane from hydrating before being covered with overburden. When threat of rain is imminent or backfill is not immediate, geotextile/bentonite clay waterproofing membrane should be covered with polyethylene sheeting.

B. Lagging Application
1. Install a stripping piece of CCW MiraCLAY over each soldier beam that extends a minimum of 8" (20cm) beyond either side of the beam. Each soldier beam shall have a double layer of CCW MiraCLAY Membrane.
2. Install CCW MiraCLAY with the white non-woven side out, facing the installer.
3. Starting at the bottom of the wall, unroll CCW MiraCLAY and nail across top of panel one nail per 12" (31cm) on center. Allow sheet to hang down nailing only as required to stabilize.
4. Install adjacent membrane by overlapping edges a minimum of 4" (10cm).
5. Fasten membrane once every 18" (45cm) on seams or as required to prevent blousing.
6. Extend waterproofing membrane to or above grade and fasten membrane once every 12" to 15" (31cm to 39cm).
7. Install CCW MiraSTOP at all pour joints and exterior perimeter of tie-back box outs.

C. Underslab Application: (Concrete slab shall have a minimum thickness of 4" if reinforced or 5" if not reinforced).
1. Install CCW MiraCLAY with the white non-woven side up, facing the installer.
2. Overlap edges a minimum of 4" (10cm).
3. Protect CCW MiraCLAY from damage caused by chairs with sharp edges or points by placing a patch of CCW MiraCLAY under the chair.
4. Staple joints often enough to prevent excessive movement.
5. Pour CCW MiraCLAY Granules or trowel CCW MiraCLAY Mastic around all penetrations and press in "cut to fit" collars of CCW MiraCLAY.
6. Extend the installation of CCW MiraCLAY 12" (31cm) up or beyond the perimeter slab forms.
7. Inspect and repair any damaged material before concrete pour.

D. Concrete Wall Application:
1. Install CCW MiraCLAY with the white non-woven side out, facing the installer.
2. Starting at the bottom of the wall, unroll CCW MiraCLAY and nail across top of panel one nail per 12" (31cm) on center. Allow sheet to hang down nailing only as required to stabilize.
3. Install adjacent membrane by overlapping edges a minimum of 4" (10cm).
4. Fasten membrane once every 18" (45cm) on seams or as required to prevent blousing with 3/4" (20mm) to 1" (25mm) concrete nails with washers.
5. Extend waterproofing membrane to 6-inches below grade and fasten membrane to the substrate to maintain constant compression using a 1/8" X 1" (3 X 25 mm) minimum termination bar. Trowel a 1/2" (12mm) thick and 2" (5cm) wide bead of CCW MiraCLAY Mastic at top edge of membrane and cover termination bar.
6. Create a cant at any vertical to horizontal transition by applying a 1.5" to 2" (4cm to 5cm) cant of CCW MiraCLAY Granules or CCW MiraCLAY Mastic.
7. Strip in all corners and transitions with a 12" to 15" (31cm to 39cm) piece of CCW MiraCLAY membrane to double cover these areas.
8. Backfill must be compactable soils free of construction debris and must be uniformly compacted to a minimum 85% Modified Protor on each lift.

3.5 PROTECTION AND DRAINAGE
1. Protect the geotextile/bentonite clay waterproofing membrane with CCW MiraDRAIN Drainage Composite.
2. Install the CCW MiraDRAIN Drainage Composite according to the detailed drawings for the specific installation requirements of the project.

3.6 BACKFILL

Backfill with smooth and uniform material with no sharp projections or stones larger than ¾-inch. Compact backfill to an 85% Modified Proctor. Insure backfill material is not contaminated with salt or other materials that could prevent the CCW MiraCLAY from hydrating.

END OF SECTION

SECTION 07570

TRAFFIC COATING-PEDESTRIAN

PART 1
GENERAL

1.1 SECTION INCLUDES:
INSTALLATION OF WATERPROOF POLYURETHANE TRAFFIC COATING ON AALL BALCONIES AND EXTERIOR ELEVATED PEDESTRIAN AREAS, CONSISTING OF PREPARATION OF EXISTING AND REPAIRED CONCRETE SURFACES, SEALING OF CRACKS AND JOINTS, AND APPLICATION OF CCW-5013 DECK COATING SYSTEM.

1.2 RELATED SECTIONS
A. SECTION 03150 - EXPANSION JOINTS.
B. SECTION 03300 - CAST-IN-PLACE CONCRETE.
C. SECTION 07900 - CAULKING AND SEALANTS.
D. DIVISION 15 - FLOOR DRAINS AND STANDPIPES.
E. DIVISION 16 - CONDUIT AND OTHER ELECTRICAL.

1.3 REFERENCES
ASTM C 957 HIGH SOLIDS CONTENT, COLD LIQUID-APPLIED ELASTOMERIC WATERPROOFING MEMBRANE WITH INTEGRAL WEARING SURFACE.

1.4 SYSTEM DESCRIPTION
PRODUCT PROVIDED BY THIS SECTION IS A SYSTEM OF COMPATIBLE POLYURETHANE DECK COATINGS DESIGNED TO CREATE A SEAMLESS WATERPROOFING MEMBRANE AND SUITABLE FOR USE AS A WEARING SURFACE ON PEDESTRIAN TRAFFIC DECKS.

1.5 SUBMITTALS
A. GENERAL: SUBMIT IN ACCORDANCE WITH SECTION 01300.
B. PRODUCT DATA: SUBMIT MANUFACTURER'S PRODUCT LITERATURE AND INSTALLATION INSTRUCTIONS.
C. SUBCONTRACTOR=S APPROVAL BY MANUFACTURER: SUBMIT DOCUMENT STATING MANUFACTURER'S ACCEPTANCE OF SUBCONTRACTOR AS AN APPROVED APPLICATOR FOR THE SPECIFIED MATERIALS.
D. WARRANTY: SUBMIT A SAMPLE WARRANTY IDENTIFYING THE TERMS AND CONDITIONS STATED IN SECTION 1.7.
E. MAINTENANCE MANUAL: UPON COMPLETION OF THE WORK REQUIRED BY THIS SECTION, SUBMIT ONE MAINTENANCE MANUAL INCLUDING RECOMMENDATIONS FOR PERIODIC INSPECTIONS, CARE, MAINTENANCE AND REPAIR OF DAMAGE.

1.6 QUALITY ASSURANCE
A. APPLICATOR QUALIFICATIONS: APPLICATOR SHALL BE EXPERIENCED IN APPLYING THE SAME OR SIMILAR MATERIALS AND SHALL BE SPECIFICALLY APPROVED IN WRITING BY THE COATING SYSTEM MANUFACTURER.
B. REGULATORY REQUIREMENTS: COMPLY WITH APPLICABLE CODES, REGULATIONS, ORDINANCES AND LAWS REGARDING USE AND APPLICATION OF COATING SYSTEMS THAT CONTAIN VOLATILE ORGANIC COMPOUNDS (VOC).
C. PRE-APPLICATION CONFERENCE: PRIOR TO BEGINNING WORK, CONVENE A CONFERENCE TO REVIEW CONDITIONS, INSTALLATION PROCEDURES, SCHEDULES AND COORDINATION WITH OTHER WORK.

1.7 WARRANTY
A. UPON COMPLETION AND ACCEPTANCE OF THE WORK REQUIRED BY THIS SECTION, THE INSTALLATION SHALL BE WARRANTED, ON A SINGLE DOCUMENT, BY THE MANUFACTURER AND THE APPLICATOR.
B. THE INSTALLATION SHALL BE WARRANTED AGAINST LOSS OF WATERPROOFING INTEGRITY, ADHESIVE OR COHESIVE FAILURE, AND COATING CRACKS AS A RESULT OF CRACKS IN THE SUBSTRATE UP TO 1/16" IN WIDTH.

1.8 DELIVERY, STORAGE, AND HANDLING
A. DELIVER MATERIALS TO PROJECT SITE IN ORIGINAL, FACTORY-SEALED, UNOPENED CONTAINERS BEARING MANUFACTURER'S NAME AND LABEL INTACT AND LEGIBLE WITH FOLLOWING INFORMATION.
1. NAME OF MATERIAL.
2. MANUFACTURER'S STOCK NUMBER AND DATE OF MANUFACTURE.
3. MATERIAL SAFETY DATA SHEET.

B. RECOMMENDED STORAGE AND APPLICATION TEMPERATURE IS 75 DEGREES F. STORE MATERIALS IN PROTECTED AND WELL VENTILATED AREA.

1.9 PROJECT CONDITIONS
A. DO NOT APPLY COATING MATERIALS IF TEMPERATURE IS LESS THAN 40 DEGREES F. OR IF PRECIPITATION IS IMMINENT.
B. COORDINATE DECK COATING WORK WITH OTHER TRADES TO ENSURE ADEQUATE ILLUMINATION, VENTILATION, AND DUST-FREE ENVIRONMENT DURING APPLICATION AND CURING OF DECK COATINGS. THE APPLICATOR SHALL HAVE SOLE RIGHT OF ACCESS TO THE SPECIFIED AREAS FOR THE TIME NEEDED TO COMPLETE THE APPLICATION AND ALLOW THE COATING TO CURE ADEQUATELY.
C. PROTECT ADJOINING SURFACES NOT TO BE COATED AGAINST DAMAGE OR SOILING. PROTECT PLANTS, VEGETATION AND ANIMALS WHICH MIGHT BE AFFECTED BY COATING OPERATIONS.
D. WARN PERSONNEL AGAINST BREATHING OF VAPORS AND CONTACT OF MATERIAL WITH SKIN OR EYES. WEAR APPLICABLE PROTECTIVE CLOTHING AND RESPIRATORY PROTECTION GEAR.
E. TAKE CARE TO KEEP VAPORS FROM ENTERING OCCUPIED STRUCTURES. TURN OFF INTAKE BLOWERS, SEAL DOORS, VENTS AND OTHER OPENINGS THAT COULD ALLOW VAPORS TO ENTER.
F. KEEP PRODUCTS AWAY FROM SPARK OR FLAME. DO NOT ALLOW THE USE OF SPARK PRODUCING EQUIPMENT DURING APPLICATION AND UNTIL ALL VAPORS HAVE DISSIPATED. POST "NO SMOKING" SIGNS.
G. MAINTAIN WORK AREA IN A NEAT AND ORDERLY CONDITION, REMOVING EMPTY CONTAINERS, RAGS, AND RUBBISH DAILY FROM THE SITE.

PART 2
PRODUCTS

2.1 MANUFACTURERS
PROVIDE CCW-5013 DECK COATING SYSTEM AS MANUFACTURED BY CARLISLE COATINGS AND WATERPROOFING INCORPORATED, 900 HENSLEY LANE, WYLIE, TEXAS 75098, PHONE: (800) 527-7092 FAX: (972) 442-0076.

2.2 PRODUCTS
A. BASE MEMBRANE: SHALL BE CCW-501 SINGLE-COMPONENT, VOC COMPLIANT, HIGH ADHESION, MOISTURE CURED, LIQUID POLYURETHANE MEMBRANE AND SHALL MEET OR EXCEED THE FOLLOWING TYPICAL PERFORMANCE PROPERTIES:

PROPERTY	TYPICAL VALUE	ASTM METHOD
COMPOSITION	AROMATIC URETHANE	
SOLIDS BY WEIGHT	85%	C 1250
HARDNESS, SHORE A	63	D 2240
TENSILE STRENGTH	850 PSI	D 412
ULTIMATE ELONGATION	625%	D 412
TEAR RESISTANCE	140 LB/IN	D 624
ADHESION TO CONCRETE	23 PLI	D 903
LOW TEMP. FLEXIBILITY	-65° F	D 522

B. TRAFFIC-RESISTANT TOP COAT: SHALL BE CCW-503 SINGLE COMPONENT, VOC COMPLIANT, HIGH TENSILE STRENGTH, ABRASION-RESISTANT AND WEATHER-RESISTANT ALIPHATIC ELASTOMERIC POLYURETHANE AND SHALL MEET OR EXCEED THE FOLLOWING TYPICAL PERFORMANCE PROPERTIES:

PROPERTY	TYPICAL VALUE	ASTM METHOD
COMPOSITION		
ALIPHATIC URETHANE		
SOLIDS BY WEIGHT	72%	C 1250
HARDNESS, SHORE A	91	D 2240
TENSILE STRENGTH	3200 PSI	D 412
ULTIMATE ELONGATION	190%	D 412
TEAR RESISTANCE, DIE C	300 LB/IN.	D 624
LOW TEMP. FLEXIBILITY AND CRACK BRIDGING*	PASS	C 957
WEATHER RESISTANCE	NO CHALKING AT 2000 HRS.	G 53
WATER PERMEABILITY (SYSTEM)	< 1.0 PERM	E 96 B
ABRASION RESISTANCE (SYSTEM)	< 50 MG.	C 501
FIRE RESISTANCE (SYSTEM)	CLASS A	U.L. 790

* DECK COATING SYSTEM

2.3 ACCESSORY PRODUCTS
A. SURFACE PRIMER: SHALL BE CCW-557 TWO COMPONENT EPOXY PRIMER OR AS RECOMMENDED BY MANUFACTURER FOR EACH SURFACE ENCOUNTERED.
B. DETAIL COAT: SHALL BE CCW-501-T SINGLE-COMPONENT, MOISTURE CURED POLYURETHANE MEMBRANE.
C. AGGREGATE: SHALL BE CLEAN, DRY 30 TO 65 MESH AGGREGATE AS APPROVED BY THE COATING MANUFACTURER.
D. SEALANTS: SHALL BE PT-304 ONE COMPONENT OR CCW-201 TWO COMPONENT POLYURETHANE SEALANT.
E. BACKING ROD: SHALL BE CLOSED-CELL POLYETHYLENE FOAM ROD.
F. FLEXIBLE FLASHING: SHALL BE AS RECOMMENDED AND SUPPLIED BY COATING MANUFACTURER.

PART 3
EXECUTION

3.1 INSPECTION

A. BEFORE ANY WATERPROOFING WORK IS STARTED THE WATERPROOFING APPLICATOR SHALL THOROUGHLY EXAMINE ALL SURFACES FOR ANY DEFICIENCIES. SHOULD ANY DEFICIENCIES EXIST, THE ARCHITECT, OWNER, OR GENERAL CONTRACTOR SHALL BE NOTIFIED IN WRITING AND CORRECTIONS MADE.
B. CONDITION OF CONCRETE SURFACES:
THE CONCRETE SURFACES SHALL BE OF SOUND STRUCTURAL GRADE (MINIMUM OF 2500 PSI COMPRESSIVE STRENGTH FOR PEDESTRIAN DECKS), AND SHALL HAVE A STEEL-TROWELED FOLLOWED BY A FINE BROOM FINISH, FREE OF FINS, RIDGES, VOIDS OR ENTRAINED AIR HOLES.
CONCRETE SHALL BE CURED BY WATER CURING METHOD. CURING COMPOUNDS MUST BE OF THE PURE SODIUM SILICATE TYPE AND BE APPROVED BY THE CARLISLE REPRESENTATIVE.
C. CONCRETE SHALL BE CURED AT LEAST 28 DAYS AND SHALL BE SLOPED FOR PROPER DRAINAGE.
D. SAW-CUT CONTROL JOINTS AND/OR EXPANSION JOINTS SHALL HAVE BEEN PROPERLY INSTALLED AT STRATEGIC POINTS THROUGHOUT THE FIELD OF THE DECK TO CONTROL CRACKING CAUSED BY DEFLECTION AND SHRINKAGE.
E. ANY REQUIRED CRICKETS OR DRAINS SHOULD BE INSTALLED AT THE TIME THE MAIN DECK IS POURED. DECK SHOULD BE MONOLITHIC.
F. VOIDS, ROCK POCKETS AND EXCESSIVELY ROUGH SURFACES SHALL BE REPAIRED WITH APPROVED NON-SHRINK GROUT OR GROUND TO MATCH THE UNREPAIRED AREAS.
G. WHEN METAL DECKING IS USED AS THE CONCRETE FORM, IT SHALL BE OF THE VENTILATED TYPE.
H. ALL CONCRETE DECKS POURED OVER PRECAST "T'S", PLANKS OR SLABS, SHALL HAVE CONTROL JOINTS PLACED DIRECTLY OVER ALL CORRESPONDING JOINTS OR OPENINGS IN THE PRECAST UNITS.

3.2 SURFACE PREPARATION

A. CONCRETE SURFACES:
B. THE CONCRETE SURFACE MUST BE THOROUGHLY CLEAN, DRY AND FREE FROM ANY SURFACE CONTAMINATES OR CLEANING RESIDUE.
C. INSTALL A 1" FACE, 45 DEGREE CANT OF PT-304 OR CCW-201 POLYURETHANE SEALANT AT ALL ANGLE CHANGES INCLUDING PROJECTIONS THROUGH THE DECK, WALLS, CURBS, ETC.
D. ALL CRACKS OVER 1/16" IN WIDTH AND ALL MOVING CRACKS UNDER 1/16" IN WIDTH SHALL BE SAW CUT TO 1/4" MINIMUM IN WIDTH AND DEPTH. SAW CUT A 1/4" BY 1/4" KERF AROUND DRAIN FLANGES. CLEAN, PRIME AND FILL SAW CUTS FLUSH WITH PT-304 OR CCW-201 POLYURETHANE SEALANT.
E. ALL MOVING CRACKS OVER 1/16" WIDE AND ALL EXPANSION JOINTS LESS THAN 1" WIDE SHALL BE CLEANED, PRIMED, FITTED WITH A BACKING ROD AND CAULKED WITH CCW-201 POLYURETHANE SEALANT. FOR LARGER JOINTS, CONTACT CARLISLE REPRESENTATIVE.
F. ALLOW ALL SEALANT TO CURE THOROUGHLY BEFORE APPLYING COATING.
G. PRIME ALL AREAS TO RECEIVE DETAIL COATS FOLLOWING PRIMING INSTRUCTIONS IN SECTION 3.3 A. EXTEND PRIMER 2" BEYOND AREA TO RECEIVE DETAIL COAT TO ALLOW PRIMER TIE-IN DURING COATING APPLICATION
H. APPLY A 6" WIDE STRIPE-COAT OF CCW-501-T COATING 30 MILS THICK CENTERED OVER ALL SEALED CRACKS, HAIRLINE CRACKS, SEALANT CANTS, CONTROL AND COLD JOINTS, AND EXPANSION JOINTS LESS THAN 1" WIDE.
I. ALL REQUIRED METAL AND NEOPRENE FLASHINGS SHALL BE INSTALLED AT THIS TIME. APPLY A STRIPE COAT OF CCW-501-T DETAIL COAT, 30 MILS THICK, 6" WIDE, CENTERED OVER ALL TRANSITIONS FROM CONCRETE TO METAL FLASHINGS AND REINFORCE WITH CCW REINFORCING FABRIC. ALLOW THE STRIPE COAT TO CURE OVER NIGHT (16 HOURS MINIMUM).

3.3 APPLICATION
A. PRIMING:
1. STIR EACH SIDE SEPARATELY TO ENSURE THAT NO SEPARATION HAS OCCURRED THEN MIX ALL OF PART A WITH ALL OF PART B. USE A MIXING PADDLE IN A SLOW SPEED DRILL MOTOR. MIX 2 TO 3 MINUTES UNTIL A HOMOGENOUS BLEND IS ACHIEVED. ALLOW 15 TO 30 MINUTE INDUCTION PERIOD BEFORE APPLYING.
2. APPLY PRIMER AT A RATE OF 400 SQUARE FEET PER GALLON. AVOID PUDDLES OR PONDING THE PRIMER AND DO NOT APPLY PRIMER OVER STRIPE COATS.
3. ALLOW PRIMER TO DRY FOR 1 HOUR MINIMUM, 8 HOURS MAXIMUM. PRIMER IS SUFFICIENTLY DRY WHEN IT IS SOMEWHAT TACKY BUT WILL NOT TRANSFER WHEN TOUCHED. IN THE EVENT COATING IS NOT APPLIED WITHIN THE MAXIMUM TIME, REPRIME.
4. CCW-501 BASE MEMBRANE: APPLY IN ONE UNIFORM COAT AT THE RATE OF ONE GALLON MINIMUM PER 50 SQUARE FEET OR AS NEEDED IN ORDER TO OBTAIN A MINIMUM THICKNESS OF 32 WET MILS. ALLOW THE BASE MEMBRANE TO CURE 16 TO 48 HOURS.
5. CCW-503 TOP COAT: APPLY IN ONE UNIFORM COAT AT THE RATE OF ONE GALLON MINIMUM PER 100 SQUARE FEET OR AS NEEDED IN ORDER TO OBTAIN A MINIMUM THICKNESS OF 16 WET MILS. IMMEDIATELY BROADCAST 30-65 MESH AGGREGATE INTO THE WET MATERIAL AT A RATE OF 8-10 IBS. PER 100 SQUARE FEET AND BACKROLL. ALLOW THE MEMBRANE TO CURE 16 TO 48 HOURS.
B. TRAFFIC ON COATED SURFACE: THE COMPLETED COATING SYSTEM SHALL NOT BE SUBJECT TO ANY TRAFFIC DURING THE FIRST 24 HOURS AFTER APPLICATION IS COMPLETE NOR TO ANY CART OR HEAVY FOOT TRAFFIC DURING THE FIRST 48 HOURS AFTER APPLICATION OF THE FINAL COAT. COOL TEMPERATURES WILL SIGNIFICANTLY INCREASE THE REQUIRED CURE TIME. IF THE WORK OF THE APPLICATOR HAS NOT BEEN APPROVED BY THE PRIME CONTRACTOR DURING THE FIRST 48 HOURS AFTER APPLICATION IS COMPLETE, THEN THERE SHALL BE NO TRAFFIC OF ANY TYPE ALLOWED UNTIL SUCH ACCEPTANCE AND APPROVAL IS GIVEN.

END OF SECTION

SECTION 07240

OUTSULATION MD SYSTEM
EXTERIOR INSULATION AND FINISH SYSTEM
CLASS PB

PART I GENERAL

1.01 SUMMARY
A. THIS DOCUMENT IS TO BE USED IN PREPARING SPECIFICATIONS FOR PROJECTS UTILIZING THE DRYVIT OUTSULATION MD SYSTEM. FOR COMPLETE PRODUCT DESCRIPTION AND USAGE REFER TO:
1. DRYVIT OUTSULATION MD SYSTEM PRODUCT DATA SHEET, DS443.
2. DRYVIT OUTSULATION MD SYSTEM APPLICATION INSTRUCTIONS, DS169.
3. DRYVIT OUTSULATION MD SYSTEM INSTALLATION DETAILS, DS167.
B. RELATED SECTIONS
1. UNIT MASONRY - SECTION 04200
2. CONCRETE - SECTIONS 03300 AND 03400
3. LIGHT GAUGE COLD FORMED STEEL FRAMING - SECTION 05400
4. WOOD FRAMING - SECTION 06100
5. SEALANT - SECTION 07900
6. FLASHING - SECTION 07600

1.02 REFERENCES
A. SECTION INCLUDES
1. ASTM B 117 (FEDERAL TEST STANDARD 141A METHOD 6061) STANDARD PRACTICE FOR OPERATING SALT SPRAY (FOG) APPARATUS
2. ASTM C 150 STANDARD SPECIFICATION FOR PORTLAND CEMENT
3. ASTM C 297 STANDARD TEST METHOD FOR FLATWISE TENSILE STRENGTH OF SANDWICH CONSTRUCTIONS
4. ASTM C 1177 STANDARD SPECIFICATION FOR GLASS MAT GYPSUM SUBSTRATE FOR USE AS SHEATHING
5. ASTM C 1396 (FORMERLY C 79) STANDARD SPECIFICATION FOR GYPSUM BOARD
6. ASTM D 968 (FEDERAL TEST STANDARD 141A METHOD 6191) STANDARD TEST METHODS FOR ABRASION RESISTANCE OF ORGANIC COATINGS BY FALLING ABRASIVE
7. ASTM D 2247 (FEDERAL TEST STANDARD 141A METHOD 6201) STANDARD PRACTICE FOR TESTING WATER RESISTANCE OF COATINGS IN 100% RELATIVE HUMIDITY
8. ASTM D 3273 STANDARD TEST METHOD FOR RESISTANCE TO GROWTH OF MOLD ON THE SURFACE OF INTERIOR COATINGS IN AN ENVIRONMENTAL CHAMBER
9. ASTM D 4060 STANDARD TEST METHOD FOR ABRASION RESISTANCE OF ORGANIC COATINGS BY THE TABER ABRASER
10. ASTM E 84 STANDARD TEST METHOD FOR SURFACE BURNING CHARACTERISTICS OF BUILDING MATERIALS
11. ASTM E 96 STANDARD TEST METHODS FOR WATER VAPOR TRANSMISSION OF MATERIALS
12. ASTM E 119 STANDARD METHOD FOR FIRE TESTS OF BUILDING CONSTRUCTION AND MATERIALS
13. ASTM E 283 STANDARD TEST METHOD FOR DETERMINING RATE OF AIR LEAKAGE THROUGH EXTERIOR WINDOWS, CURTAIN WALLS AND DOORS UNDER SPECIFIED PRESSURE DIFFERENCES ACROSS THE SPECIMEN
14. ASTM E 330 TEST METHOD FOR STRUCTURAL PERFORMANCE OF EXTERIOR WINDOWS, DOORS AND CURTAIN WALLS BY UNIFORM STATIC AIR PRESSURE DIFFERENCE
15. ASTM E 331 TEST METHOD FOR WATER PENETRATION OF EXTERIOR WINDOWS, SKYLIGHTS, DOORS AND CURTAIN WALLS BY UNIFORM STATIC AIR PRESSURE DIFFERENCE
16. ASTM E 2273 TEST METHOD FOR DETERMINING THE DRAINAGE EFFICIENCY OF EXTERIOR INSULATION AND FINISH SYSTEMS (EIFS) CLAD WALL ASSEMBLIES
17. ASTM G 155 (FEDERAL TEST STANDARD 141A METHOD 6151) STANDARD PRACTICE FOR OPERATING-XENON ARC LIGHT APPARATUS FOR EXPOSURE OF NONMETALLIC MATERIALS
18. DS131, DRYVIT EXPANDED POLYSTYRENE INSULATION BOARD SPECIFICATION
19. DS151, CUSTOM BRICK™ POLYMER SYSTEM SPECIFICATIONS FOR USE ON VERTICAL WALLS
20. DS152, DRYVIT CLEANING AND RECOATING
21. DS153, DRYVIT EXPANSION JOINTS AND SEALANTS
22. DS159, DRYVIT WATER VAPOR TRANSMISSION
23. DS456, RAPIDRY DM™ 35-50 OR DS457, RAPIDRY DM™ 50-75 DATA SHEETS
24. DS494, DRYVIT AQUAFLASH™ SYSTEM
25. EIMA METHOD 101.01 STANDARD TEST METHOD FOR FREEZE/THAW RESISTANCE OF EXTERIOR INSULATION FINISH SYSTEMS (EIFS), CLASS PB
26. EIMA METHOD 101.86 STANDARD TEST METHOD FOR RESISTANCE OF EXTERIOR INSULATION FINISH SYSTEMS (EIFS), CLASS PB TO THE EFFECTS OF RAPID DEFORMATION (IMPACT)
27. MIL STD ES272 ENVIRONMENTAL TESTING
28. MIL STD 810B ENVIRONMENTAL TEST METHODS
29. NFPA 268 STANDARD TEST METHOD FOR DETERMINING IGNITIBILITY OF EXTERIOR WALL ASSEMBLIES USING A RADIANT HEAT ENERGY SOURCE.
30. NFPA 285 STANDARD METHOD OF TEST FOR THE EVALUATION OF FLAMMABILITY CHARACTERISTICS OF EXTERIOR NON-LOADING-BEARING WAIL ASSEMBLIES CONTAINING COMBUSTIBLE COMPONENTS USING THE INTERMEDIATE-SCALE, MULTISTORY TEST APPARATUS

1.03 DEFINITIONS
A. BASE COAT: MATERIAL USED TO ENCAPSULATE ONE OR MORE LAYERS OF REINFORCING MESH FULLY EMBEDDED THAT IS APPLIED TO THE OUTSIDE SURFACE OF THE EPS.
B. BUILDING EXPANSION JOINT: A JOINT THROUGH THE ENTIRE BUILDING STRUCTURE DESIGNED TO ACCOMMODATE STRUCTURAL MOVEMENT.
C. CONTRACTOR: THE CONTRACTOR THAT INSTALLS THE OUTSULATION MD SYSTEM TO THE SUBSTRATE.
D. DRYVIT: DRYVIT SYSTEMS, INC., THE MANUFACTURER OF THE OUTSULATION MD SYSTEM, A RHODE ISLAND CORPORATION.
E. EXPANSION JOINT: A STRUCTURAL DISCONTINUITY IN THE OUTSULATION MD SYSTEM.
F. FINISH: AN ACRYLIC-BASED COATING, AVAILABLE IN A VARIETY OF TEXTURES AND COLORS THAT IS APPLIED OVER THE BASE COAT.
G. INSULATION BOARD: EXPANDED POLYSTYRENE (EPS) INSULATION BOARD, WHICH IS AFFIXED TO THE SUBSTRATE.
H. PANEL ERECTOR: THE CONTRACTOR WHO INSTALLS THE PANELIZED OUTSULATION MD SYSTEM.
I. PANEL FABRICATOR: THE CONTRACTOR WHO FABRICATES THE PANELIZED OUTSULATION MD SYSTEM.
J. REINFORCING MESH: GLASS FIBER MESH(ES) USED TO REINFORCE THE BASE COAT AND TO PROVIDE IMPACT RESISTANCE.
K. SHEATHING: A SUBSTRATE IN SHEET FORM.
L. SUBSTRATE: THE MATERIAL TO WHICH THE OUTSULATION MD SYSTEM IS AFFIXED.
M. SUBSTRATE SYSTEM: THE TOTAL WALL ASSEMBLY

AIR LEAKAGE ASTM E 283 LESS THAN 0.3 L/MIN/M2(0.001 CFM/FT2)
STRUCTURAL PERFORMANCE ASTM E 1233 PROC. AICC ES (AC 212)* MINIMUM 10 POSITIVE CYCLES AT 1/240 DEFLECTION;

NO CRACKING IN FIELD, AT JOINTS OR INTERFACE WITH FLASHING PASSED
RACKING ASTM E 72ICC ES (AC 212)* NO CRACKING IN FIELD, AT JOINTS OR INTERFACE WITH FLASHING AT NET DEFLECTION OF 3.2 MM(1/8 INCH)
PASSED
RESTRAINED ENVIRONMENTAL ICC-ES PROCEDUREICC ES (AC 212)* 5 CYCLES; NO CRACKING IN FIELD, AT JOINTS OR INTERFACE WITH FLASHING PASSED
WATER PENETRATION ASTM E 331ICC ES (AC 212)* NO WATER PENETRATION BEYOND THE INNER-MOST PLANE OF THE WALL AFTER 15 MINUTES AT137 PA (2.86 PSF) PASSED
*AC 212 - ACCEPTANCE CRITERIA FOR WATER-RESISTIVE COATINGS USED AS WATER-RESISTIVE BARRIERS OVER EXTERIOR SHEATHING

B. DURABILITY

TEST METHOD CRITERIA RESULTS
ABRASION RESISTANCE ASTM D 968 NO DELETERIOUS EFFECTS AFTER 500 LITERS(528 QUARTS) NO DELETERIOUS EFFECTS AFTER 1000 LITERS(1056 QUARTS)

ACCELERATED WEATHERING ASTM G 155 CYCLE 1 NO DELETERIOUS EFFECTS AFTER 2000 HOURS NO DELETERIOUS EFFECTS AFTER 5000 HOURS

ASTM G 154 CYCLE 1 (QUV) NO DELETERIOUS EFFECTS AFTER 5000 HOURS

FREEZE-THAW EIMA 101.01 NO DELETERIOUS EFFECTS AFTER 60 CYCLES
PASSED - NO DELETERIOUS EFFECTS AFTER 90 CYCLES
ASTM C 67 MODIFIED NO DELETERIOUS EFFECTS AFTER 60 CYCLES
PASSED - NO DELETERIOUS EFFECTS AFTER 60 CYCLES
ICC-ES PROCEDURE NO DELETERIOUS EFFECTS AFTER 10 CYCLES
PASSED - NO DELETERIOUS EFFECTS AFTER 10 CYCLES

MILDEW RESISTANCE ASTM D 3273 NO GROWTH DURING 28 DAY EXPOSURE PERIOD NO GROWTH DURING 60 DAY EXPOSURE PERIOD
MOISTURE RESISTANCE ASTM D 2247 NO DELETERIOUS EFFECTS AFTER 14 DAYS EXPOSURENO DELETERIOUS EFFECTS AFTER 42 DAYS EXPOSURE

TABER ABRASION ASTM D 4060 N/A PASSED 1000 CYCLES
SALT SPRAY RESISTANCE ASTM B 117 NO DELETERIOUS EFFECTS AFTER 300 HOURS EXPOSURE NO DELETERIOUS EFFECTS AFTER 1000 HOURS EXPOSURE

WATER PENETRATION ASTM E 331ICC ES (AC 235***) NO WATER PENETRATION BEYOND THE INNER-MOST PLANE OF THE WALL AFTER15 MINUTES AT 137 PA(2.86 PSF) PASSED 15 MINUTES AT137 PA (2.86 PSF) WATER VAPOR TRANSMISSION ASTM E 96 PROCEDURE B VAPOR PERMEABLE EPS 5 PERM-INCHBASE COAT* 40 PERMSFINISH** 40 PERMS

DRAINAGE EFFICIENCY ASTM E 2273ICC ES (AC 235)*** MINIMUM DRAINAGE EFFICIENCY OF 90% PASSED
* BASE COAT PERM VALUE BASED ON DRYVIT GENESIS®** FINISH PERM VALUE BASED ON DRYVIT QUARZPUTZ®*** AC 235 - ACCEPTANCE CRITERIA FOR EIFS CLAD DRAINAGE WALL ASSEMBLIES

C. STRUCTURAL

TEST TEST METHOD CRITERIA RESULTS
TENSILE BOND ASTM C 297 MINIMUM 104 KPA (15 PSI) - SUBSTRATE OR INSULATION FAILURE MINIMUM 213.6 KPA (31 PSI)
TRANSVERSE WIND LOAD ASTM E 330 WITHSTAND POSITIVE AND NEGATIVE WIND LOADS AS SPECIFIED BY THE BUILDING CODE MINIMUM 4.3 KPA (90 PSF)*16 INCH O.C. FRAMING, ½ IN SHEATHING SCREW ATTACHED AT 203 MM (8 INCH) O.C.
* ALL DRYVIT COMPONENTS REMAIN INTACT - FOR HIGHER WIND LOADS CONTACT DRYVIT SYSTEMS, INC.

D. IMPACT RESISTANCE: IN ACCORDANCE WITH EIMA STANDARD 101.86:

reinforcing mesh/weight g/m² (oz/yd²)	minimum tensile strengths	eima impact classification	eima impact rangejoules (in-lbs)	impact test resultsjoules (in-lbs)	
standard - 146 (4.3)	27 g/cm (150 lbs/in)	standard	3-6 (25-49)	4 (36)	
standard plustm - 203 (6)	36 g/cm (200 lbs/in).	medium	6-10 (50-89)	6 (56)	
intermediateâ - 407 (12)	54 g/cm (300 lbs/in).	high	10-17 (90-150)	12 (108)	
panzer® 15* - 509 (15) (162)	71 g/cm (400 lbs/in).	ultra high	>17 (>150)	18	
panzer 20* - 695 (20.5) (352)	98 g/cm (550 lbs/in).	ultra high	>17 (>150)	40	
detailâ short rolls - 146 (4.3)	27 g/cm (150 lbs/in).	n/a	n/a	n/a	n/a
corner mesh™ - 244 (7.2)	49 g/cm (274 lbs/in).	n/a	n/a	n/a	n/a

*shall be used in conjunction with standard mesh (recommended for areas exposed to high traffic).

E. FIRE PERFORMANCE
TEST METHOD CRITERIA RESULTS
FIRE RESISTANCE ASTM E 119 NO EFFECT ON THE FIRE RESISTANCE RATING OF A RATED WALL ASSEMBLY PASSED 1 HOUR IGNITABILITY NFPA 268NO IGNITION AT 12.5 KW/M2 AT20 MINUTES PASSED

INTERMEDIATE MULTI-STORY FIRE TESTNFPA 285 (UBC 26-9)

1. RESIST FLAME PROPAGATION OVER THE EXTERIOR SURFACE
2. RESIST VERTICAL SPREAD OF FLAME WITHIN COMBUSTIBLE CORE/COMPONENT OF PANEL FROM ONE STORY TO THE NEXT
3. RESIST VERTICAL SPREAD OF FLAME OVER THE INTERIOR SURFACE FROM ONE STORY TO THE NEXT
4. RESIST LATERAL SPREAD OF FLAME FROM THE COMPARTMENT OF FIRE ORIGIN TO ADJACENT SPACES PASSED

2. THE OUTSULATION MD COMPONENTS SHALL BE TESTED FOR:
A. FIRE TEST TEST METHOD CRITERIA RESULTS FLAME SPREAD ASTM E 84 ALL COMPONENTS SHALL HAVE A:FLAME SPREAD
< 25 SMOKE DEVELOPED < 450 PASSED

B. DURABILITY

TEST TEST METHOD CRITERIA RESULTS
REINFORCING MESHALKALI RESISTANCE OF REINFORCING MESH ASTM E 2098 (FORMERLY EIMA 105.01) > 21DN/CM (120 PLI) RETAINED TENSILE STRENGTH AFTER EXPOSURE PASSED
EPS (PHYSICAL PROPERTIES)DENSITYTHERMAL RESISTANCEWATER ABSORPTIONOXYGEN INDEXCOMPRESSIVE STRENGTHFLEXURAL STRENGTHFLAME SPREADSMOKE DEVELOPED ASTM C 303, D 1622ASTM C 177, C 518ASTM C 272ASTM D 2863ASTM D 1621 PROC. AASTM C 203ASTM E 84 15.2-20.0 KG/M3 (0.95-1.25 LB/FT3) 4.0 @ 4.4 °C (40 °F)3.6 @ 23.9 °C (75 °F)2.5 % MAX. BY VOLUME24% MIN. BY VOLUME69 KPA (10 PSI) MIN.172 KPA (25 PSI) MIN.25 MAX.450 MAX.PASS

1.05 SUBMITTALS

A. PRODUCT DATA: THE CONTRACTOR SHALL SUBMIT TO THE OWNER/ARCHITECT THE MANUFACTURER'S PRODUCT DATA SHEETS DESCRIBING PRODUCTS, WHICH WILL BE USED ON THIS PROJECT.
B. SHOP DRAWINGS FOR PANELIZED CONSTRUCTION: THE PANEL FABRICATOR SHALL PREPARE AND SUBMIT TO THE OWNER/ARCHITECT COMPLETE DRAWINGS SHOWING: WALL LAYOUT, CONNECTIONS, DETAILS, EXPANSION JOINTS, AND INSTALLATION SEQUENCE.
C. SAMPLES: THE CONTRACTOR SHALL SUBMIT TO THE OWNER/ARCHITECT TWO (2) SAMPLES OF THE OUTSULATION MD SYSTEM FOR EACH FINISH, TEXTURE AND COLOR TO BE USED ON THE PROJECT. THE SAME TOOLS AND TECHNIQUES PROPOSED FOR THE ACTUAL INSTALLATION SHALL BE USED. SAMPLES SHALL BE OF SUFFICIENT SIZE TO ACCURATELY REPRESENT EACH COLOR AND TEXTURE BEING UTILIZED ON THE PROJECT.
D. TEST REPORTS: WHEN REQUESTED, THE CONTRACTOR SHALL SUBMIT TO THE OWNER/ARCHITECT COPIES OF SELECTED TEST REPORTS VERIFYING THE PERFORMANCE OF THE OUTSULATION MD SYSTEM.

1.06 QUALITY ASSURANCE

A. QUALIFICATIONS
1. SYSTEM MANUFACTURER: SHALL BE DRYVIT SYSTEMS, INC. ALL MATERIALS SHALL BE MANUFACTURED OR SOLD BY DRYVIT AND SHALL BE PURCHASED FROM DRYVIT OR ITS AUTHORIZED DISTRIBUTORS.
A. MATERIALS SHALL BE MANUFACTURED AT A FACILITY COVERED BY A CURRENT ISO 9001:2000 CERTIFICATION. CERTIFICATION OF THE FACILITY SHALL BE DONE BY A REGISTRAR ACCREDITED BY THE AMERICAN NATIONAL STANDARDS INSTITUTE, REGISTRAR ACCREDITATION BOARD (ANSI-RAB).
2. CONTRACTOR: SHALL BE KNOWLEDGEABLE IN THE PROPER INSTALLATION OF THE DRYVIT OUTSULATION MD SYSTEM AND SHALL BE EXPERIENCED AND COMPETENT IN THE INSTALLATION OF EXTERIOR INSULATION AND FINISH SYSTEMS. ADDITIONALLY, THE CONTRACTOR SHALL POSSESS A CURRENT OUTSULATION MD SYSTEM TRAINED CONTRACTOR CERTIFICATE* ISSUED BY DRYVIT SYSTEMS, INC.
3. INSULATION BOARD MANUFACTURER: SHALL BE LISTED BY DRYVIT SYSTEMS, INC., SHALL BE CAPABLE OF PRODUCING THE EXPANDED POLYSTYRENE (EPS) IN ACCORDANCE WITH THE CURRENT DRYVIT SPECIFICATION FOR INSULATION BOARD, DS131, AND SHALL SUBSCRIBE TO THE DRYVIT THIRD PARTY CERTIFICATION AND QUALITY ASSURANCE PROGRAM.
4. PANEL FABRICATOR: SHALL BE A CONTRACTOR EXPERIENCED AND COMPETENT IN THE FABRICATION OF ARCHITECTURAL WALL PANELS AND SHALL POSSESS A CURRENT OUTSULATION PLUS SYSTEM TRAINED CONTRACTOR CERTIFICATE* ISSUED BY DRYVIT SYSTEMS, INC.
5. PANEL ERECTOR: SHALL BE EXPERIENCED AND COMPETENT IN THE INSTALLATION OF ARCHITECTURAL WALL PANEL SYSTEMS AND SHALL BE:
A. THE PANEL FABRICATOR OR
B. AN ERECTOR APPROVED BY THE PANEL FABRICATOR OR
C. AN ERECTOR UNDER THE DIRECT SUPERVISION OF THE PANEL FABRICATOR
B. REGULATORY REQUIREMENTS:
1. THE EPS SHALL BE SEPARATED FROM THE INTERIOR OF THE BUILDING BY A MINIMUM 15-MINUTE THERMAL BARRIER.
2. THE USE AND MAXIMUM THICKNESS OF EPS SHALL BE IN ACCORDANCE WITH THE APPLICABLE BUILDING CODES.
C. CERTIFICATION
1. THE OUTSULATION MD SYSTEM SHALL BE RECOGNIZED FOR THE INTENDED USE BY THE APPLICABLE BUILDING CODE(S).
D. MOCK-UP
1. THE CONTRACTOR SHALL, BEFORE THE PROJECT COMMENCES, PROVIDE THE OWNER/ARCHITECT WITH A MOCK-UP FOR APPROVAL.
2. THE MOCK-UP SHALL BE OF SUITABLE SIZE AS REQUIRED TO ACCURATELY REPRESENT THE PRODUCTS BEING INSTALLED, AS WELL AS EACH COLOR AND TEXTURE TO BE UTILIZED ON THE PROJECT.
3. THE MOCK-UP SHALL BE PREPARED WITH THE SAME PRODUCTS, TOOLS, EQUIPMENT AND TECHNIQUES REQUIRED FOR THE ACTUAL APPLICATIONS. THE FINISH USED SHALL BE FROM THE SAME BATCH THAT IS BEING USED ON THE PROJECT.
4. THE APPROVED MOCK-UP SHALL BE AVAILABLE AND MAINTAINED AT THE JOBSITE.
5. FOR PANELIZED CONSTRUCTION, THE MOCK-UP SHALL BE AVAILABLE AND MAINTAINED AT THE PANEL FABRICATION LOCATION.

1.07 DELIVERY, STORAGE AND HANDLING

A. ALL DRYVIT MATERIALS SHALL BE DELIVERED TO THE JOB SITE IN THE ORIGINAL, UNOPENED PACKAGES WITH LABELS INTACT.
B. UPON ARRIVAL, MATERIALS SHALL BE INSPECTED FOR PHYSICAL DAMAGE, FREEZING OR OVERHEATING. QUESTIONABLE MATERIALS SHALL NOT BE USED.
1. MATERIALS SHALL BE STORED AT THE JOBSITE IN A COOL, DRY LOCATION, OUT OF DIRECT SUNLIGHT, PROTECTED FROM WEATHER AND OTHER SOURCES OF DAMAGE. MINIMUM STORAGE TEMPERATURE SHALL BE AS FOLLOWS:
A. DEMANDIT®, REVYVIT®: 7 °C (45 °F)
B. AMERISTONE™, TERRANEO® AND LYMESTONE™: 10 °C (50 °F)
C. DPR, PMR™ AND E™ FINISHES, COLOR PRIME™, PRIMUS®, GENESIS AND NCB™: 4 °C (40 °F)
D. CUSTOM BRICK™ FINISH: REFER TO CUSTOM BRICK POLYMER SPECIFICATION, DS151.
E. FOR OTHER PRODUCTS, REFER TO SPECIFIC PRODUCT DATA SHEETS.
2. MAXIMUM STORAGE TEMPERATURE SHALL NOT EXCEED 38 °C (100 °F). NOTE: MINIMIZE EXPOSURE OF MATERIALS TO TEMPERATURES OVER 32 °C (90 °
F. FINISHES EXPOSED TO TEMPERATURES OVER 43 °C (110 °F) FOR EVEN SHORT PERIODS MAY EXHIBIT SKINNING, INCREASED VISCOSITY AND SHOULD BE INSPECTED PRIOR TO USE.
C. PROTECT ALL PRODUCTS FROM INCLEMENT WEATHER AND DIRECT SUNLIGHT.

1.08 PROJECT CONDITIONS

A. ENVIRONMENTAL REQUIREMENTS
1.APPLICATION OF WET MATERIALS SHALL NOT TAKE PLACE DURING INCLEMENT WEATHER UNLESS APPROPRIATE PROTECTION IS PROVIDED. PROTECT MATERIALS FROM INCLEMENT WEATHER UNTIL THEY ARE COMPLETELY DRY.
2. AT THE TIME OF APPLICATION, THE MINIMUM AIR AND WALL SURFACE TEMPERATURES SHALL BE AS FOLLOWS:
A. DEMANDIT®, REVYVIT®: 7 °C (45 °F)
B. AMERISTONE™, TERRANEO® AND LYMESTONE™: 10 °C (50 °F)
C. DPR, PMR AND E™ FINISHES, COLOR PRIME™, PRIMUS®, GENESIS AND NCB™: 4 °C (40 °F)
D. CUSTOM BRICK™ FINISH: REFER TO CUSTOM BRICK POLYMER SPECIFICATION, DS151.
E. FOR OTHER PRODUCTS, REFER TO SPECIFIC PRODUCT DATA SHEETS.
3. THESE TEMPERATURES SHALL BE MAINTAINED WITH ADEQUATE AIR VENTILATION AND CIRCULATION FOR A MINIMUM OF 24 HOURS (48 HOURS FOR AMERISTONE, TERRANEO AND LYMESTONE) THEREAFTER, OR UNTIL THE PRODUCTS ARE COMPLETELY DRY. REFER TO PUBLISHED PRODUCT DATA SHEETS FOR MORE SPECIFIC INFORMATION.
B. EXISTING CONDITIONS: THE CONTRACTOR SHALL HAVE ACCESS TO ELECTRIC POWER, CLEAN WATER AND A CLEAN WORK AREA AT THE LOCATION WHERE THE DRYVIT MATERIALS ARE TO BE APPLIED.

1.09 SEQUENCING AND SCHEDULING

A. INSTALLATION OF THE OUTSULATION MD SYSTEM SHALL BE COORDINATED WITH OTHER CONSTRUCTION TRADES.
B. SUFFICIENT MANPOWER AND EQUIPMENT SHALL BE EMPLOYED TO ENSURE A CONTINUOUS OPERATION, FREE OF COLD JOINTS, SCAFFOLD LINES, TEXTURE VARIATIONS, ETC.

1.10 WARRANTY

A. DRYVIT SYSTEMS, INC. SHALL PROVIDE A WRITTEN MOISTURE DRAINAGE AND LIMITED MATERIALS WARRANTY AGAINST DEFECTIVE MATERIAL UPON WRITTEN REQUEST. DRYVIT SHALL MAKE NO OTHER WARRANTIES, EXPRESSED OR IMPLIED. DRYVIT DOES NOT WARRANT WORKMANSHIP. FULL DETAILS ARE AVAILABLE FROM DRYVIT SYSTEMS, INC.
B. THE APPLICATOR SHALL WARRANT WORKMANSHIP SEPARATELY. DRYVIT SHALL NOT BE RESPONSIBLE FOR WORKMANSHIP ASSOCIATED WITH INSTALLATION OF THE OUTSULATION MD SYSTEM.

1.11 DESIGN RESPONSIBILITY

A. IT IS THE RESPONSIBILITY OF THE PURCHASER TO DETERMINE IF A PRODUCT IS SUITABLE FOR ITS INTENDED USE. THE DESIGNER SELECTED BY THE PURCHASER SHALL BE RESPONSIBLE FOR ALL DECISIONS PERTAINING TO DESIGN, DETAIL, STRUCTURAL CAPABILITY, ATTACHMENT DETAILS, SHOP DRAWINGS AND THE LIKE. DRYVIT HAS PREPARED GUIDELINES IN THE FORM OF SPECIFICATIONS, INSTALLATION DETAILS, AND PRODUCT SHEETS TO FACILITATE THE DESIGN PROCESS ONLY.

1.12 MAINTENANCE

A. MAINTENANCE AND REPAIR SHALL FOLLOW THE PROCEDURES NOTED IN THE DRYVIT OUTSULATION MD SYSTEM APPLICATION INSTRUCTIONS, DS169.
B. ALL DRYVIT PRODUCTS ARE DESIGNED TO MINIMIZE MAINTENANCE. HOWEVER, AS WITH ALL BUILDING PRODUCTS, DEPENDING ON LOCATION, SOME CLEANING MAY BE REQUIRED. SEE DRYVIT PUBLICATION DS152 ON CLEANING AND RECOATING.
C. SEALANTS AND FLASHINGS SHALL BE INSPECTED ON A REGULAR BASIS AND REPAIRS MADE AS NECESSARY.

PART II PRODUCTS

2.01 MANUFACTURER

A. ALL COMPONENTS OF THE OUTSULATION MD SYSTEM SHALL BE SUPPLIED OR OBTAINED FROM DRYVIT OR ITS AUTHORIZED DISTRIBUTORS. SUBSTITUTIONS OR ADDITIONS OF MATERIALS OTHER THAN SPECIFIED WILL VOID THE WARRANTY.

2.02 MATERIALS

A. PORTLAND CEMENT: SHALL BE TYPE I, I-II OR II, MEETING ASTM C 150, WHITE OR GRAY IN COLOR, FRESH AND FREE OF LUMPS.
B. WATER: SHALL BE CLEAN AND FREE OF FOREIGN MATTER.

2.03 COMPONENTS

A. AIR/WATER-RESISTIVE BARRIER COMPONENTS
1. DRYVIT BACKSTOP® NT: A FLEXIBLE, POLYMER-BASED, NONCEMENTITIOUS WATER-RESISTIVE COATING AVAILABLE IN TEXTURE AND SMOOTH.
2. DRYVIT GRID TAPE™: AN OPEN WEAVE FIBERGLASS MESH TAPE WITH PRESSURE SENSITIVE ADHESIVE AVAILABLE IN ROLLS 100 MM (4 IN) WIDE BY 91 M (100 YDS) LONG.

B. FLASHING MATERIALS: USED TO PROTECT SUBSTRATE EDGES AT TERMINATIONS.
1. LIQUID APPLIED: AN EXTREMELY FLEXIBLE WATER-BASED POLYMER MATERIAL, READY FOR USE.
A. SHALL BE AQUAFLASH AND AQUAFLASH MESH
2. SHEET TYPE:
A. SHALL BE FLASHING TAPE AND SURFACE CONDITIONER
1) DRYVIT FLASHING TAPE™: A HIGH DENSITY, POLYETHYLENE FILM BACKED WITH A RUBBERIZED ASPHALT ADHESIVE AVAILABLE IN ROLLS 100 MM (4 IN), 152 MM (6 IN) AND 230 MM (9 IN) WIDE BY 23 M (75 FT) LONG..
2) DRYVIT FLASHING TAPE SURFACE CONDITIONER™: A WATER-BASED SURFACE CONDITIONER AND ADHESION PROMOTER FOR THE DRYVIT FLASHING TAPE.
C. DRYVIT AP ADHESIVE™: A MOISTURE CURE URETHANE-BASED ADHESIVE USED TO ATTACH THE DRYVIT TRACK AND VENT TRACK TO THE BACKSTOP NT.
D. DRYVIT TRACK: A "J" SHAPED TRACK COMPLYING WITH ASTM D 1784 AND ASTM C 1063 LOCATED ABOVE THE DRYVIT STARTER STRIP.
E. DRYVIT VENT TRACK: A "J" SHAPED TRACK COMPLYING WITH ASTM D 1784 AND ASTM C 1063 CONTAINING A SLOT FOR DRAINAGE AND LOCATED ABOVE THE DRYVIT VENT ASSEMBLY, ALONG THE BASE OF WALLS AND HORIZONTAL TERMINATIONS.
F. ADHESIVES: USED TO ADHERE THE EPS TO THE AIR/WATER-RESISTIVE BARRIER, SHALL BE COMPATIBLE WITH THE WATER-RESISTIVE BARRIER AND THE EPS.
1. CEMENTITIOUS: A LIQUID POLYMER-BASED MATERIAL, WHICH IS FIELD MIXED WITH PORTLAND CEMENT.
A. SHALL BE PRIMUS OR GENESIS
2. READY MIXED: A DRY BLEND CEMENTITIOUS, COPOLYMER-BASED PRODUCT, FIELD MIXED WITH WATER.
A. SHALL BE PRIMUS® DM, GENESIS® DM, GENESIS® DMS, RAPIDRY DM 35-50 OR RAPIDRY DM 50-75
G. INSULATION BOARD: EXPANDED POLYSTYRENE MEETING DRYVIT SPECIFICATION FOR INSULATION BOARD, DS131
1. THICKNESS OF INSULATION BOARD SHALL BE MIN 50 MM (2 IN).
2. THE BACK SIDE OF THE INSULATION BOARD SHALL HAVE 6 MM X 25 MM (1/4 IN X 1 IN) GROOVES RUNNING VERTICALLY AND SPACED 305 MM (12 IN) ON CENTER.
3. THE INSULATION BOARD SHALL BE MANUFACTURED BY A BOARD SUPPLIER LISTED BY DRYVIT SYSTEMS, INC.
H. INSULATION BOARD CLOSURE BLOCKS: EXPANDED POLYSTYRENE MEETING DRYVIT SPECIFICATION FOR INSULATION BOARD, DS131. THE CLOSURE BLOCKS SHALL MEASURE A MINIMUM OF 0.15 M (6 IN) IN HEIGHT.
I. DRYVIT STARTER STRIP: EXPANDED POLYSTYRENE MEETING DRYVIT SPECIFICATION FOR INSULATION BOARD, DS131. THE DRYVIT STARTER STRIP SHALL MEASURE 0.15 M (6 IN) IN HEIGHT AND BE CONFIGURED TO RECEIVE THE DRYVIT TRACK AND VENT TRACK.
J. DRYVIT VENT ASSEMBLY: A 50 MM X 150 MM X 305 MM (2 IN X 6 IN X 12 IN) PIECE OF AGED EXPANDED POLYSTYRENE, WHICH IS CONFIGURED TO CONTAIN A FORMED AGGREGATE MATRIX MATERIAL AND RECEIVE THE DRYVIT VENT TRACK. IT IS REQUIRED AT THE BASE OF WALLS AND THE BASE OF HORIZONTAL TERMINATIONS AND IS CAPABLE OF DRAINING WATER.
K. BASE COAT: SHALL BE COMPATIBLE WITH THE EPS INSULATION BOARD AND REINFORCING MESH(ES).
1. CEMENTITIOUS: A LIQUID POLYMER-BASED MATERIAL, WHICH IS FIELD MIXED WITH PORTLAND CEMENT.
A. SHALL BE PRIMUS OR GENESIS
2. NONCEMENTITIOUS: A FACTORY-MIXED, FULLY FORMULATED, WATER-BASED PRODUCT.
A. SHALL BE NCB
3. READY MIXED: A DRY BLEND CEMENTITIOUS, COPOLYMER-BASED PRODUCT, FIELD MIXED WITH WATER.
A. SHALL BE PRIMUS DM, GENESIS DM, GENESIS DMS, RAPIDRY DM 35-50 OR RAPIDRY DM 50-75.
L. REINFORCING MESH: A BALANCED, OPEN WEAVE, GLASS FIBER FABRIC TREATED FOR COMPATIBILITY WITH OTHER SYSTEM MATERIALS. NOTE: REINFORCING MESHES ARE CLASSIFIED BY IMPACT RESISTANCE AND SPECIFIED BY WEIGHT AND TENSILE STRENGTH AS LISTED IN SECTION

1.04.D.1.D.

1. SHALL BE STANDARD, STANDARD PLUS, INTERMEDIATE, PANZER 15, PANZER 20, DETAIL AND CORNER MESH
M. FINISH: SHALL BE THE TYPE, COLOR AND TEXTURE AS SELECTED BY THE ARCHITECT/OWNER AND SHALL BE ONE OR MORE OF THE FOLLOWING:
1. STANDARD DPR (DIRT PICKUP RESISTANCE): WATER-BASED, ACRYLIC COATING WITH INTEGRAL COLOR AND TEXTURE, AND FORMULATED WITH DPR CHEMISTRY:
A. QUARZPUTZ® DPR: OPEN-TEXTURE.
B. SANDBLAST® DPR: MEDIUM TEXTURE.
C. FREESTYLE® DPR: FINE TEXTURE.
D. SANDPEBBLE® DPR: PEBBLE TEXTURE.
E. SANDPEBBLE® FINE DPR: FINE PEBBLE TEXTURE.

2. E: WATER-BASED, LIGHTWEIGHT ACRYLIC COATING WITH INTEGRAL COLOR AND TEXTURE, AND FORMULATED WITH DPR CHEMISTRY:
A. QUARZPUTZ® E
B. SANDPEBBLE® E
C. SANDPEBBLE® FINE E
3. SPECIALTY: FACTORY MIXED, WATER-BASED ACRYLIC:
A. AMERISTONE: MULTI-COLORED QUARTZ AGGREGATE WITH A FLAMED GRANITE APPEARANCE.
B. STONE MIST®: CERAMICALLY COLORED QUARTZ AGGREGATE.
C. CUSTOM BRICK: ACRYLIC POLYMER-BASED FINISH USED IN CONJUNCTION WITH A PROPRIETARY TEMPLATE SYSTEM TO CREATE THE LOOK OF STONE, BRICK, SLATE OR TILE.
D. TERRANEO: 100% ACRYLIC-BASED FINISH WITH LARGE MICA CHIPS AND MULTI-COLORED QUARTZ AGGREGATES.
E. LYMESTONE: A PREMIXED, 100% ACRYLIC-BASED FINISH DESIGNED TO REPLICATE THE APPEARANCE OF LIMESTONE BLOCKS.
4. ELASTOMERIC DPR (DIRT PICKUP RESISTANCE): WATER-BASED, ELASTOMERIC ACRYLIC

SECTION 07271

MODIFIED BITUMINOUS SHEET AIR BARRIERS

PART 1 GENERAL

1.1 SECTION INCLUDES:

INSTALLATION OF MODIFIED BITUMINOUS SHEET AIR BARRIER ON STANDARD BUILDING EXTERIOR GRADE SURFACES ON ALL EXTERIOR WINDOWS AND DOORS, CONSISTING OF PREPARATION OF EXISTING AND REPAIRED EXTERIOR GRADE SURFACES, SEALING OF CRACKS, SEAMS, JOINTS AND APPLICATION OF CCW-705, A VAPOR-IMPERMEABLE, SELF-ADHERED, MODIFIED BITUMINOUS SHEET AIR BARRIER.

1.2 RELATED SECTIONS:

A. SECTION 03300 - CAST-IN-PLACE CONCRETE
B. SECTION 04200 - MASONRY
C. SECTION 07200 - INSULATION; VAPOR BARRIER
D. SECTION 07410 - METAL PANEL SYSTEMS
E. SECTION 07900 - JOINT SEALERS
F. SECTION 08100 - DOOR FRAMES
G. SECTION 08500 - WINDOW FRAMES
H. SECTION 09200 - GYPSUM BOARD

1.3 REFERENCES:

A. ASTM D 412 TESTS FOR RUBBER PROPERTIES IN TENSION.
B. ASTM E 154 PUNCTURE RESISTANCE
C. ASTM E 96(B) WATER VAPOR TRANSMISSION OF MATERIALS.
D. ASTM E 283 TESTS FOR AIR LEAKAGE THROUGH EXTERIOR ASSEMBLIES.
E. ASTM E 331 TESTS FOR WATER PENETRATION OF EXTERIOR ASSEMBLIES.
F. ASTM E 2178 TEST FOR AIR PERMEANCE RATING.

1.4 SYSTEM DESCRIPTION:

CCW-705
PRODUCT PROVIDED BY THIS SECTION IS A SELF-ADHESIVE MEMBRANE OF NOT LESS THAN 40 MILS THICKNESS, CONSISTING OF 36 MIL RUBBERIZED ASPHALT MEMBRANE LAMINATED TO A 4 MIL, CROSS LAMINATED HIGH DENSITY POLYETHYLENE FILM.

1.5 SUBMITTALS:

A. SUBCONTRACTOR APPROVAL BY MANUFACTURER: SUBMIT DOCUMENT STATING MANUFACTURER'S ACCEPTANCE OF SUBCONTRACTOR AS AN APPROVED APPLICATOR FOR THE SPECIFIED MATERIALS.
B. WARRANTY: SUBMIT A SAMPLE WARRANTY IDENTIFYING THE TERMS AND CONDITIONS STATED IN SECTION 1.7.

1.6 QUALITY ASSURANCE:

A. APPLICATOR QUALIFICATIONS: APPLICATOR SHALL BE EXPERIENCED IN APPLYING THE SAME OR SIMILAR MATERIALS AND SHALL BE SPECIFICALLY APPROVED IN WRITING BY THE MEMBRANE MANUFACTURER.
B. REGULATORY REQUIREMENTS: COMPLY WITH APPLICABLE CODES, REGULATIONS, ORDINANCES, AND LAWS REGARDING USE AND APPLICATION OF PRODUCTS THAT CONTAIN VOLATILE ORGANIC COMPOUNDS (VOC).
C. PRE-APPLICATION CONFERENCE: PRIOR TO BEGINNING WORK, CONVENE A CONFERENCE TO REVIEW CONDITIONS, INSTALLATION PROCEDURES, SCHEDULES AND COORDINATION WITH OTHER WORK.
D. PRODUCT COMPONENTS: VAPOR/AIR BARRIER COMPONENTS SHALL BE SOURCED FROM ONE MANUFACTURER, INCLUDING SHEET MEMBRANE, SEALANTS, PRIMERS, ADHESIVES AND MASTICS.

1.7 WARRANTY:

A. UPON COMPLETION AND ACCEPTANCE OF THE WORK REQUIRED BY THIS SECTION, THE MANUFACTURER WILL ISSUE A WARRANTY AGREEING TO PROMPTLY REPLACE DEFECTIVE MATERIALS FOR A PERIOD OF 5 YEARS.

1.8 DELIVERY, STORAGE AND HANDLING:

DELIVER MATERIALS TO PROJECT SITE IN ORIGINAL, FACTORY-SEALED, UNOPENED CONTAINERS BEARING MANUFACTURER'S NAME AND LABEL INTACT AND LEGIBLE WITH THE FOLLOWING INFORMATION.
1. NAME OF MATERIAL.
2. MANUFACTURER'S STOCK NUMBER AND DATE OF MANUFACTURE.
MATERIALS IN PROTECTED AND WELL VENTILATED AREA.

1.9 PROJECT CONDITIONS:

A. USE SPECIAL HANDLING PROCEDURES TO APPLY MEMBRANE IF TEMPERATURE IS LESS THAN 40ºF OR TO A DAMP, FROSTY OR CONTAMINATED SURFACE.
B. COORDINATE AIR AND VAPOR BARRIER APPLICATION WITH OTHER TRADES. THE APPLICATOR SHALL HAVE SOLE RIGHT OF ACCESS TO THE SPECIFIED AREAS FOR THE TIME NEEDED TO COMPLETE THE INSTALLATION.
C. WARN PERSONNEL AGAINST BREATHING OF VAPORS AND CONTACT OF MATERIAL WITH SKIN OR EYES. WEAR APPLICABLE PROTECTIVE CLOTHING AND RESPIRATORY PROTECTION GEAR.
D. KEEP FLAMMABLE PRODUCTS AWAY FROM SPARK OR FLAME. DO NOT ALLOW THE USE OF SPARK PRODUCING EQUIPMENT DURING APPLICATION UNTIL ALL VAPORS HAVE DISSIPATED. POST "NO SMOKING" SIGNS.
E. MAINTAIN WORK AREA IN A NEAT AND ORDERLY CONDITION, REMOVING EMPTY CONTAINERS, RAGS, AND RUBBISH DAILY FROM THE SITE.

PART 2 PRODUCTS:

2.1 MANUFACTURERS:

PROVIDE CCW-705 SELF-ADHERING VAPOR/AIR BARRIER SHEET MEMBRANE AS MANUFACTURED BY CARLISLE COATINGS AND WATERPROOFING INCORPORATED, 900 HENSLEY LANE, WYLIE, TEXAS 75098, PHONE: (800) 527-7092 FAX: (972) 442-0076.

2.2 PRODUCTS:

CCW-705
SELF-ADHERING VAPOR/AIR BARRIER SHEET MEMBRANE: SHALL BE CCW-705, A COMPOSITE MEMBRANE CONSISTING OF A 36 MIL RUBBERIZED ASPHALT LAMINATED TO 4 MIL CROSS LAMINATED HIGH DENSITY POLYETHYLENE FILM, AND SHALL MEET OR EXCEED THE FOLLOWING REQUIREMENTS:
1. TENSILE STRENGTH: 500 PSI MINIMUM, ASTM D-412
2. ULTIMATE ELONGATION: 300% MINIMUM, ASTM D-412
3. PUNCTURE RESISTANCE: 50LBF MINIMUM, ASTM E-154
4. PERMEANCE: 0.05 PERM MAXIMUM, ASTM E-96 B
5. LOW TEMPERATURE FLEXIBILITY: UNAFFECTED AT -25ºF, ASTM D-146, .063" MANDREL
6. AIR PERMEANCE: NOT TO EXCEED 0.02 L/S PER M2 OF AREA @ 75 PA (0.004 CFM PER FT2 OF AREA AT 1.57 LBF/FT2), ASTM E-2178

2.3 ACCESSORY PRODUCTS:

A. SURFACE PRIMER: SHALL BE CCW-702 SOLVENT-BASED PRIMER, CCW-AWP WATER-BASED PRIMER, CCW-714 WATER-BASED PRIMER OR CAV-GRIP.
B. DETAIL FLASHING: CCW-705 TWF, CCW-BARRISEAL, CCW-WINDOW & DOOR FLASHING, PRE-KLEENED EPDM, CCW EZ FLASH W&D AND/OR WILLFLASH MOLDED CORNER FLASHING.
C. MASTIC: SHALL BE CCW-704 MASTIC, OR LM-800XL.
D. SEALANTS: SHALL BE CCW-703 VERTICAL GRADE LIQUISEAL MEMBRANE, PT-304 ONE COMPONENT OR CCW-201 TWO COMP

SECTION 07130

LIQUID APPLIED VAPOR/AIR BARRIER MEMBRANE

PART 1 - GENERAL

1.1 SECTION INCLUDES:

INSTALLATION OF LIQUID APPLIED VAPOR/AIR BARRIER SHEET MEMBRANE ON STANDARD BUILDING EXTERIOR GRADE SURFACES INDICATED ON DRAWINGS, CONSISTING OF PREPARATION OF EXISTING AND REPAIRED EXTERIOR GRADE SURFACES, SEALING OF CRACKS, SEAMS, JOINTS AND APPLICATION OF REINFORCED BARRISEAL, CCW 705 VAPOR/AIR BARRIER MEMBRANE, OR CCW WINDOW & DOOR FLASHING.

1.2 RELATED SECTIONS:

A. SECTION 03300 - CAST-IN-PLACE CONCRETEQ1
B. SECTION 04200 - MASONRY
C. SECTION 07200 - INSULATION; VAPOR BARRIER
D. SECTION 07410 - METAL PANEL SYSTEMS
E. SECTION 07900 - JOINT SEALERS
F. SECTION 08100 - DOOR FRAMES
G. SECTION 08500 - WINDOW FRAMES
H. SECTION 09200 - GYPSUM BOARD

1.3 REFERENCES:

A. ASTM D 412 TESTS FOR RUBBER PROPERTIES IN TENSION.
B. ASTM E PUNCTURE RESISTANCE.
C. ASTM E 96(B) WATER VAPOR TRANSMISSION OF MATERIALS.
D. ASTMD 1970 SELF-ADHERING POLYMER MODIFIED BITUMINOUS SHEET MATERIALS.
UL 790 TESTS FOR FIRE RESISTANCE OF ROOF COVERING MATERIALS.
E. ASTM E 283 TESTS FOR AIR LEAKAGE THROUGH EXTERIOR ASSEMBLIES.
F. ASTM E 331 TESTS FOR WATER PENETRATION OF EXTERIOR ASSEMBLIES.
G. ASTM E 2178 TEST FOR AIR PERMEANCE RATING.
H. ASTM D 1187 TEST FOR ASPHALT-BASE EMULSIONS
I. ASTM D 2939 TEST FOR EMULSIFIED BITUMENS

1.4 SYSTEM DESCRIPTION:

PRODUCT PROVIDED BY THIS SECTION IS A SELF-ADHESIVE LIQUID APPLIED MEMBRANE OF NOT LESS THAN 40 MILS THICKNESS, CONSISTING OF A WATER-BASED ASPHALT EMULSION MODIFIED WITH A BLEND OF SYNTHETIC RUBBERS AND ADDITIVES WHICH CURES TO FORM A FLEXIBLE, MONOLITHIC VAPOR/AIR BARRIER.

1.5 SUBMITTALS:

A. GENERAL: SUBMIT IN ACCORDANCE WITH SECTION 01300.
B. PRODUCT DATA: SUBMIT MANUFACTURER'S PRODUCT LITERATURE, INSTALLATION INSTRUCTIONS AND STANDARD DETAILS.
C. SUBCONTRACTOR APPROVAL BY MANUFACTURER: SUBMIT DOCUMENT STATING MANUFACTURER'S ACCEPTANCE OF SUBCONTRACTOR AS AN APPROVED APPLICATOR FOR THE SPECIFIED MATERIALS.
D. WARRANTY: SUBMIT A SAMPLE WARRANTY IDENTIFYING THE TERMS AND CONDITIONS STATED IN SECTION 1.7.

1.6 QUALITY ASSURANCE:

A. APPLICATOR QUALIFICATIONS: APPLICATOR SHALL BE EXPERIENCED IN APPLYING THE SAME OR SIMILAR MATERIALS AND SHALL BE SPECIFICALLY APPROVED IN WRITING BY THE MEMBRANE MANUFACTURER.
B. ORDINANCES, AND LAWS REGARDING USE AND APPLICATION OF PRODUCTS THAT CONTAIN VOLATILE ORGANIC COMPOUNDS (VOC).
C. PRE-APPLICATION CONFERENCE: PRIOR TO BEGINNING WORK, CONVENE A CONFERENCE TO REVIEW CONDITIONS, INSTALLATION PROCEDURES, SCHEDULES AND COORDINATION WITH OTHER WORK.
D. PRODUCT COMPONENTS: VAPOR/AIR COMPONENTS SHALL BE SOURCED FROM ONE MANUFACTURER, INCLUDING SHEET MEMBRANE, SEALANTS, PRIMERS, ADHESIVES AND MASTICS.

1.7 WARRANTY:

A. UPON COMPLETION AND ACCEPTANCE OF THE WORK REQUIRED BY THIS SECTION, THE MANUFACTURER WILL ISSUE A WARRANTY AGREEING TO PROMPTLY REPLACE DEFECTIVE MATERIALS FOR A PERIOD OF 5 YEARS.

B. THE FORMATION OR PRESENCE OF MOLD OR FUNGI IN A BUILDING IS DEPENDENT UPON A BROAD RANGE OF FACTORS INCLUDING, BUT NOT LIMITED TO, THE PRESENCE OF SPORES AND NUTRIENT SOURCES, MOISTURE, TEMPERATURES, CLIMATIC CONDITIONS, RELATIVE HUMIDITY, AND HEATING/VENTILATING SYSTEMS AND THEIR MAINTENANCE AND OPERATING CAPABILITIES. THESE FACTORS ARE BEYOND THE CONTROL OF CARLISLE AND CARLISLE SHALL NOT BE RESPONSIBLE FOR ANY CLAIMS, REPAIRS, RESTORATION OR DAMAGES RELATING TO THE PRESENCE OF ANY IRRITANTS, CONTAMINANTS, VAPORS, FUMES, MOLDS, FUNGI, BACTERIA, SPORES, MYCOTOXINS OR THE LIKE IN ANY BUILDING OR IN THE AIR, LAND OR WATER SERVING THE BUILDING.

1.8 DELIVERIES, STORAGE AND HANDLING:

DELIVER MATERIALS TO PROJECT SITE IN ORIGINAL, FACTORY-SEALED, UNOPENED CONTAINERS BEARING MANUFACTURER'S NAME AND LABEL INTACT AND LEGIBLE WITH THE FOLLOWING INFORMATION.
1. NAME OF MATERIAL.
2. MANUFACTURER'S STOCK NUMBER AND DATE OF MANUFACTURE. MATERIALS IN PROTECTED AND WELL VENTILATED AREA.

1.9 PROJECT CONDITIONS:

A. DO NOT APPLY MEMBRANE IF TEMPERATURE IS LESS THAN 40 DEGREES F. OR TO A DAMP, FROSTY OR CONTAMINATED SURFACE.
B. COORDINATE VAPOR/AIR BARRIER APPLICATION WITH OTHER TRADES. THE APPLICATOR SHALL HAVE SOLE RIGHT OF ACCESS TO THE SPECIFIED AREAS FOR THE TIME NEEDED TO COMPLETE THE INSTALLATION.
C. WARN PERSONNEL AGAINST BREATHING OF VAPORS AND CONTACT OF MATERIAL WITH SKIN OR EYES. WEAR APPLICABLE PROTECTIVE CLOTHING AND RESPIRATORY PROTECTION GEAR.
D. KEEP FLAMMABLE PRODUCTS AWAY FROM SPARK OR FLAME. DO NOT ALLOW THE USE OF SPARK PRODUCING EQUIPMENT DURING APPLICATION AND UNTIL ALL VAPORS HAVE DISSIPATED. POST "NO SMOKING" SIGNS.
E. MAINTAIN WORK AREA IN A NEAT AND ORDERLY CONDITION, REMOVING EMPTY CONTAINERS, RAGS, AND RUBBISH DAILY FROM THE SITE.

PART 2 - PRODUCTS

2.1 MANUFACTURERS:

PROVIDE BARRISEAL MEMBRANE AS MANUFACTURED BY CARLISLE COATINGS AND WATERPROOFING INCORPORATED, 900 HENSLEY LANE; WYLIE, TEXAS 75098, PHONE: (800) 527-7092 FAX: (972) 442-0076.

2.2 PRODUCTS:

SELF-ADHESIVE LIQUID APPLIED VAPOR/AIR BARRIER MEMBRANE: SHALL BE SINGLE COAT APPLICATION OF 40 MIL LIQUID APPLIED RUBBERIZED ASPHALT, AND SHALL MEET OR EXCEED THE FOLLOWING REQUIREMENTS:
1. RESILIENCE: 98% ASTM D-3407
2. ULTIMATE ELONGATION: 1300% MINIMUM, ASTM D-41
3. PERM RATING: 0.02 ASTM E-9
4. TRANSMISSION: 0.01 GM/SQ.FT ASTM E-9

2.3 ACCESSORY PRODUCTS:

A. SURFACE PRIMER: SHALL BE CCW-702 SOLVENT-BASED PRIMER , CCW-AWP WATER-BASED PRIMER OR CCW-CAV-GRIP.
B. DETAIL MEMBRANE: CCW-705 TWF, CCW-BARRISEAL, DCH REINFORCING FABRIC CCW-W/D FLASHING OR PRE-KLEENED EPDM.
C. MASTIC: SHALL BE CCW-704 MASTIC.
D. SEALANTS: SHALL BE CCW-703 VERTICAL GRADE LIQUISEAL MEMBRANE, PT-304 ONE COMPONENT OR CCW-201 TWO COMPONENT POLYURETHANE SEALANT.

PART 3 - EXECUTION

3.1 INSPECTION:

A. Before any barrier application is started the applicator shall thoroughly examine all surfaces for any deficiencies. Should any deficiencies exist, the architect, owner, or general contractor shall be notified in writing and corrections made.
B. Condition of Gypsum Based Sheathing Surfaces:

1. The sheathing surfaces shall be of sound structural grade and shall have a smooth finish, free of voids, ridges, fins or entrained air holes.
2. Sheathing shall be fastened with non-corroding screws, twist shank nails or be approved by the Carlisle representative.
3. Sheathing shall be butted flush with adjoining panels.
4. Irregularities shall be sanded or filled as required to achieve flush surfaces.
5. All adjacent metal flashing shall be galvanized or non-ferrous metal, tight screwed or nailed.
6. Surfaces at joints shall be on the same plane.

C. Condition of Wood Surfaces:

1. The wood surfaces shall be of sound structural grade and shall have a smooth finish, free of holes, splits, or entrained air holes.
2. Wood shall be fastened with non-corroding screws, twist shank nails or be approved by the Carlisle representative.
3. Wood shall be butted flush with adjoining panels.
4. Irregularities shall be sanded or filled as required to achieve flush surfaces.
5. All adjacent metal flashing shall be galvanized or non-ferrous metal, tight screwed or nailed.
6. Surfaces at joints shall be on the same plane.

D. Condition of Concrete Block Surfaces:

1. Concrete Block surfaces shall be of sound structural grade and shall have a smooth finish, free of holes, cracks, or other defects.
2. All motor joints should be struck flush.
3. Adjoining beams, and other substrates should be butted flush with concrete blocks.
4. Irregularities shall be ground or filled as required to achieve flush surfaces.
5. All adjacent metal flashing shall be galvanized or non-ferrous metal, tight screwed or nailed.
6. Surfaces at joints shall be on the same plane.

3.2 SURFACE PREPARATION:

A. The wall surface must be thoroughly clean, dry and free from any surface contaminates or cleaning residue that may harmfully affect the adhesion of the membrane.
B. All cracks over 1/16" in width should be filled with material compatible to the substrate. Most masonry and wood applications can be filled with exterior grade urethane caulking.
C. All crack filler compound to thoroughly cure prior to proceeding.
D. Trim or detail all door, window, and penetrations using Carlisle's standard details.
E. Brick ledge flashing should be in-place prior to application of Vapor/Air Barrier.

3.3 APPLICATION:

A. Clean surfaces to remove residual dust before priming.
B. Detail - Joints, seam, penetrations with either a 30 mil coat of Barriseal containing DCH reinforcing fabric, or apply a strip of CCW-705 on a primed surface, or apply CCW Door and Window Flashing on primed surface.
C. Apply Barriseal from base of wall working up to allow water to drain over the applied area. Install at 31 sq ft per gallon
D. Terminations: Apply the Barriseal on to the edge of brick ledge flashing, door and window flashing tapes. Extend the Barriseal up above the interior living space or on to the roof vapor/air barrier.
E. Protection: Vapor/Air Sheet Membranes are not designed for permanent exposure and should be covered as soon as construction scheduling allows.

End of Section 07130

SECTION 07271

MODIFIED BITUMINOUS SHEET AIR BARRIERS

PART 1 GENERAL

1.1 SECTION INCLUDES:

Installation of modified bituminous sheet air barrier on standard building exterior grade surfaces indicated on drawings, consisting of preparation of existing and repaired exterior grade surfaces, sealing of cracks, seams, joints and application of CCW-705, a vapor-impermeable, self-adhered, modified bituminous sheet air barrier.

1.2 RELATED SECTIONS:

A. Section 03300 – Cast-In-Place Concrete
B. Section 04200 – Masonry
C. Section 07200 – Insulation; Vapor Barrier
D. Section 07410 – Metal Panel Systems
E. Section 07900 – Joint Sealers
F. Section 08100 – Door Frames
G. Section 08500 – Window Frames
H. Section 09200 – Gypsum Board

1.3 REFERENCES:

A. ASTM D 412 Tests for Rubber Properties in Tension.
B. ASTM E 154 Puncture Resistance
C. ASTM E 96(B) Water Vapor Transmission of Materials.
D. ASTM E 283 Tests for Air Leakage through Exterior Assemblies.
E. ASTM E 331 Tests for Water Penetration of Exterior Assemblies.
F. ASTM E 2178 Test for Air Permeance Rating.

1.4 SYSTEM DESCRIPTION:

CCW-705
Product provided by this Section is a self-adhesive membrane of not less than 40 mils thickness, consisting of 36 mil rubberized asphalt membrane laminated to a 4 mil, cross laminated high density polyethylene film.

1.5 SUBMITTALS:

A. General: Submit in accordance with Section 01300.
B. Product Data: Submit manufacturer's product literature, installation instructions and standard details.
C. Subcontractor approval by manufacturer: Submit document stating manufacturer's acceptance of subcontractor as an Approved Applicator for the specified materials.
D. Warranty: Submit a sample warranty identifying the terms and conditions stated in Section 1.7.

1.6 QUALITY ASSURANCE:

A. Applicator Qualifications: Applicator shall be experienced in applying the same or similar materials and shall be specifically approved in writing by the membrane manufacturer.
B. Regulatory Requirements: Comply with applicable codes, regulations, ordinances, and laws regarding use and application of products that contain volatile organic compounds (VOC).
C. Pre-Application Conference: Prior to beginning work, convene a conference to review conditions, installation procedures, schedules and coordination with other work.
D. Product Components: Vapor/Air Barrier components shall be sourced from one manufacturer, including sheet membrane, sealants, primers, adhesives and mastics.

1.7 WARRANTY:

A. Upon completion and acceptance of the work required by this section, the manufacturer will issue a warranty agreeing to promptly replace defective materials for a period of 5 years.

B. The Formation or presence of mold or fungi in a building is dependent upon a broad range of factors including, but not limited to, the presence of spores and nutrient sources, moisture, temperatures, climatic conditions, relative humidity, and heating/ventilating systems and their maintenance and operating capabilities. These factors are beyond the control of Carlisle and Carlisle shall not be responsible for any claims, repairs, restoration or damages relating to the presence of any irritants, contaminants, vapors, fumes, molds, fungi, bacteria, spores, mycotoxins or the like in any building or in the air, land or water serving the building.

1.8 DELIVERY, STORAGE AND HANDLING:

Deliver materials to project site in original, factory-sealed, unopened containers bearing manufacturer's name and label intact and legible with the following information.

1. Name of material.
2. Manufacturer's stock number and date of manufacture. Materials in protected and well ventilated area.

1.9 PROJECT CONDITIONS:

A. Use special handling procedures to apply membrane if temperature is less than 40°F or to a damp, frosty or contaminated surface.
B. Coordinate air and vapor barrier application with other trades. The applicator shall have sole right of access to the specified areas for the time needed to complete the installation.
C. Warn personnel against breathing of vapors and contact of material with skin or eyes. Wear applicable protective clothing and respiratory protection gear.
D. Keep flammable products away from spark or flame. Do not allow the use of spark producing equipment during application until all vapors have dissipated. Post "NO SMOKING" signs.
E. Maintain work area in a neat and orderly condition, removing empty containers, rags, and rubbish daily from the site.

PART 2 – PRODUCTS

2.1 MANUFACTURERS:

Provide CCW-705 self-adhering vapor/air barrier sheet membrane as manufactured by Carlisle Coatings and Waterproofing Incorporated, 900 Hensley Lane, Wylie, Texas 75098, Phone: (800) 527-7092 Fax: (972) 442-0076.

2.2 PRODUCTS:

CCW-705
Self-Adhering Vapor/Air Barrier Sheet Membrane: Shall be CCW-705, a composite membrane consisting of a 36 mil rubberized asphalt laminated to 4 mil cross laminated high density polyethylene film, and shall meet or exceed the following requirements:

1. Tensile Strength: 500 psi minimum, ASTM D-412
2. Ultimate Elongation: 300% minimum, ASTM D-412
3. Puncture Resistance: 50lbf minimum, ASTM E-154
4. Permeance: 0.05 Perm maximum, ASTM E-96 B
5. Low Temperature Flexibility: Unaffected at –25°F, ASTM D-146, .063" mandrel
6. Air Permeance: Not to exceed 0.02 L/s per m2 of area @ 75 Pa (0.004 CFM per ft2 of area at 1.57 lbf/ft2), ASTM E-2178

2.3 ACCESSORY PRODUCTS:

A. Surface Primer: Shall be CCW-702 Solvent-Based Primer, CCW-AWP Water-Based primer, CCW-714 Water-Based Primer or CAV-GRIP.
B. Detail Flashing: CCW-705 TWF, CCW-Barriseal, CCW-Window & Door Flashing, PRE-KLEENED EPDM, CCW EZ Flash W&D and/or WillFlash Molded Corner Flashing.
C. Mastic: Shall be CCW-704 Mastic, or LM-800XL.
D. Sealants: Shall be CCW-703 Vertical Grade LiquiSEAL membrane, PT-304 one component or CCW-201 two component Polyurethane Sealant.

PART 3 – EXECUTION

3.1 INSPECTION:

A. Before any barrier application is started the applicator shall thoroughly examine all surfaces for any deficiencies. Should any deficiencies exist, the architect, owner, or general contractor shall be notified in writing and corrections made.
B. Condition of Gypsum Based Sheathing Surfaces:

1. The sheathing surfaces shall be of sound structural grade and shall have a smooth finish, free of voids, ridges, fins or entrained air holes.
2. Sheathing shall be fastened with non-corroding screws, twist shank nails or be approved by the Carlisle representative.
3. Sheathing shall be butted flush with adjoining panels.
4. Irregularities shall be sanded or filled as required to achieve flush surfaces.
5. All adjacent metal flashing shall be galvanized or non-ferrous metal, tight screwed or nailed.
6. Surfaces at joints shall be on the same plane.

C. Condition of Wood Surfaces:

1. The wood surfaces shall be of sound structural grade and shall have a smooth finish, free of holes, splits, or entrained air holes.
2. Wood shall be fastened with non-corroding screws, twist shank nails or be approved by the Carlisle representative.
3. Wood shall be butted flush with adjoining panels.
4. Irregularities shall be sanded or filled as required to achieve flush surfaces.
5. All adjacent metal flashing shall be galvanized or non-ferrous metal, tight screwed or nailed.
6. Surfaces at joints shall be on the same plane.

D. Condition of Concrete Block Surfaces:

1. Concrete Block surfaces shall be of sound structural grade and shall have a smooth finish, free of holes, cracks, or other defects.
2. All motor joints should be struck flush.
3. Adjoining beams, and other substrates should be butted flush with concrete blocks.
4. Irregularities shall be ground or filled as required to achieve flush surfaces.
5. All adjacent metal flashing shall be galvanized or non-ferrous metal, tight screwed or nailed.
6. Surfaces at joints shall be on the same plane.

3.2 SURFACE PREPARATION:

A. The wall surface must be thoroughly clean, dry and free from any surface contaminates or cleaning residue that may harmfully affect the adhesion of the membrane.
B. All cracks over 1/16" in width should be filled with material compatible to the substrate. Most masonry and wood applications can be filled with exterior grade urethane caulking.
C. All crack filler compound to thoroughly cure prior to proceeding.
D. Trim or detail all door, window, and penetrations using Carlisle's standard details.
E. Brick ledge flashing should be in-place prior to application of Air/Vapor Barrier.

3.3 APPLICATION:

A. Priming: Clean surfaces to remove residual dust before priming. Stir primer. Apply by roller at a rate of 300 to 350 sq./ft. per gallon. (Over Dens-Glass Gold Gypsum Sheathing apply by roller at a rate of 85 to 100 sq./ft per gallon.) Allow primer to dry 1-4 hours minimum at 75°F.
B. Vertical Surfaces: Install sheet membrane in horizontal fashion with shingle style overlapping seams. Overlap edge seams 2 ½", end laps 5". Stagger end seams. Roll in place with an 18" to 24" wide roller or broom. Ensure that all laps are firmly adhered and that there are no gaps or fishmouths.
C. Terminations: Carlisle recommends applying fasteners on 6" centers along the top edge of the application to assist in initial adhesion. Roll terminating edges, and seams firmly. Apply sealants or mastic to all terminations and "T" – joints. Tie CCW-705 to the roof vapor/air barrier so that the juncture is air tight, durable and continuous
D. Protection: Modified bituminous sheet air barriers are not designed for permanent exposure and should be covered as soon as construction scheduling allows.

End of Section 07271

PERMIT SET
07-11-2024

AA C000606
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RAJ PATEL
STUART, FLORIDA

Jacquin & Sons Construction RJSI.com CGC060475 80th ANNIVERSARY
Construction Manager

JOB NO.
22039
DATE
07-11-2024
SHEET
A10.3

SW CHANNEL AVENUE

EX. ASPHALT

SW 7th STREET

ZONING: URBAN HIGHWAY
FUTURE LAND USE:
DOWNTOWN REDEVELOPMENT

N

NE NW E W SE SW S

0" 5'-0" 15'-0" 25'-0" 40'-0"

STOP BAR & STOP SIGN, TYP.

D CURB TYP.

DECORATIVE FENCE

DEAD END, SERVICE VEHICLES ONLY SIGN

POOL (600 SF)

PLANTER

PLANTER

PLANTER

DUMPSTER/ RECYCLING

GENERATOR

FRAZIER CREEK WATERWAY

PROPERTY BOUNDARY

EXIST TOP OF BANK

FIRE PIT

TRELLIS

PAVERS

EXISTING BRICK PAVER

ADA RAMP BIKE RACK

RETAIL / RESTAURANT
5,000 SF
(1 STORY)

TOWER OPENING

OUTDOOR SEATING AREA

SEAT LEDGE AROUND RETAINING WALL

PLANTERS

ENTRANCE STEPS

PLANTERS

ENTRANCE STEPS

ENTRANCE SIGN

BENCH, TYP.

BIKE RACK, TYPE 1

BENCH

12:1 SLOPE

CHARGING STATION

ADA SIGN & RAMP,TYP.

EXISTING CURB

EXISTING FIRE HYDRANT

RAMP, TYP.

EXISTING SIDEWALK TO EXISTING PARKING GARAGE (DISTANCE 267')

STOP BAR & STOP SIGN, TYP.

STOP BAR & STOP SIGN, TYP.

DO NOT ENTER/ ONE WAY SIGN, TYP.

PORTE COCHERE ROOF LINE ABOVE

ADA SIGN & RAMP,TYP.

D CURB TYP.

TRAM STATION SIGN/STOP

SEAT LEDGE AROUND RETAINING WALL

EXISTING FIRE HYDRANT

EXISTING CURB

STOP BAR & STOP SIGN, TYP.

EXISTING PARKING GARAGE

SW A STREET

EX. ASPHALT

LIGHT POLE, TYP

EXISTING BRICK PAVER

EXISTING LIGHT POLE

S.R. 76 (COLORADO AVE.)

EX. LANDSCAPED MEDIAN

ZONING: URBAN HIGHWAY
FUTURE LAND USE:
DOWNTOWN REDEVELOPMENT

ZONING: URBAN CENTER
FUTURE LAND USE:
DOWNTOWN REDEVELOPMENT

SW A STREET

EX. ASPHALT

1 A1.1 SITE PLAN

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

PERMIT SET
07-11-2024

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Construction Manager

JOB NO.
22039

DATE
07-11-2024

SHEET
A1.1

SW CHANNEL AVENUE

EX. ASPHALT

SW 7th STREET

ZONING: URBAN HIGHWAY
FUTURE LAND USE:
DOWNTOWN REDEVELOPMENT

N

NE NW E W SE SW S

0" 5'-0" 15'-0" 25'-0" 40'-0"

STOP BAR & STOP SIGN, TYP.

D CURB TYP.

DECORATIVE FENCE

DEAD END, SERVICE VEHICLES ONLY SIGN

POOL (600 SF)

PLANTER

PLANTER

PLANTER

DUMPSTER/ RECYCLING

GENERATOR

FRAZIER CREEK WATERWAY

PROPERTY BOUNDARY

EXIST TOP OF BANK

FIRE PIT

TRELLIS

PAVERS

EXISTING BRICK PAVER

ADA RAMP BIKE RACK

ZONING: URBAN HIGHWAY
FUTURE LAND USE:
DOWNTOWN REDEVELOPMENT

SW A STREET

EX. ASPHALT

BENCH, TYP.

CHARGING STATION

ADA SIGN & RAMP,TYP.

BIKE RACK, TYPE 3 2

RETAIL / RESTAURANT
5,000 SF
(1 STORY)

OUTDOOR SEATING AREA

SEAT LEDGE AROUND RETAINING WALL

PLANTERS

ENTRANCE STEPS

PLANTERS

ENTRANCE STEPS

ENTRANCE SIGN

EXISTING CURB

EXISTING FIRE HYDRANT

RAMP, TYP.

EXISTING SIDEWALK TO EXISTING PARKING GARAGE (DISTANCE 267')

STOP BAR & STOP SIGN, TYP.

STOP BAR & STOP SIGN, TYP.

DO NOT ENTER/ ONE WAY SIGN, TYP.

ADA SIGN & RAMP,TYP.

D CURB TYP.

12:1 SLOPE

BENCH

TRAM STATION SIGN/STOP

SEAT LEDGE AROUND RETAINING WALL

EXISTING FIRE HYDRANT

EXISTING CURB

SW A STREET

EX. ASPHALT

STOP BAR & STOP SIGN, TYP.

EXISTING PARKING GARAGE

LIGHT POLE, TYP

EXISTING CURB

STOP BAR & STOP SIGN, TYP.

EXISTING BRICK PAVER

S.R. 76 (COLORADO AVE.)

EX. LANDSCAPED MEDIAN

EXISTING LIGHT POLE

EXISTING BRICK PAVER

ZONING: URBAN HIGHWAY
FUTURE LAND USE:
DOWNTOWN REDEVELOPMENT

ZONING: URBAN CENTER
FUTURE LAND USE:
DOWNTOWN REDEVELOPMENT

1 A1.2 SITE ROOF PLAN

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

TOTAL PANELS: 152

PERMIT SET
07-11-2024

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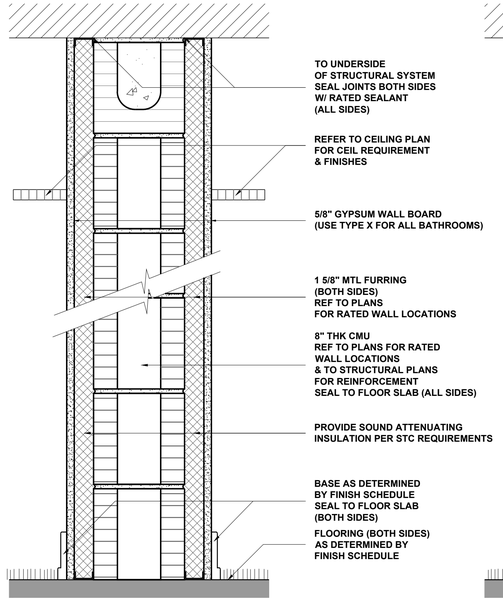
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Construction Manager

JOB NO. 22039

DATE 07-11-2024

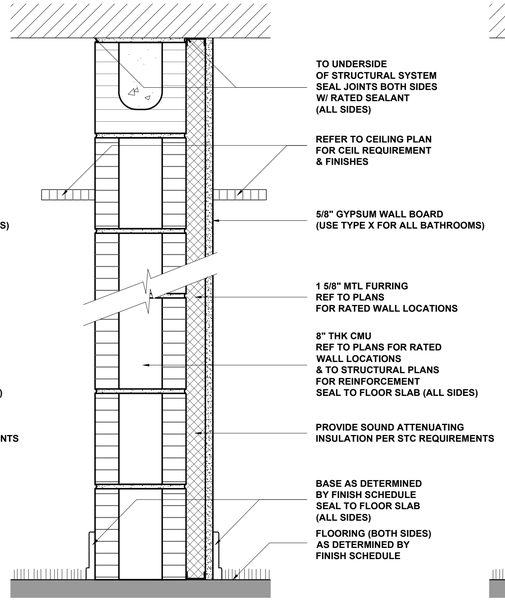
SHEET A1.2



SECTION

(STC 52)
C5 INTERIOR CMU WALL W/ GYP FIN BOTH SIDES
SCALE: 2" = 1'-0"

C5a 1 HOUR FIRE RATED - UL905 - (STC 52)
INTERIOR CMU WALL W/ GYP FIN BOTH SIDES
SCALE: 2" = 1'-0"

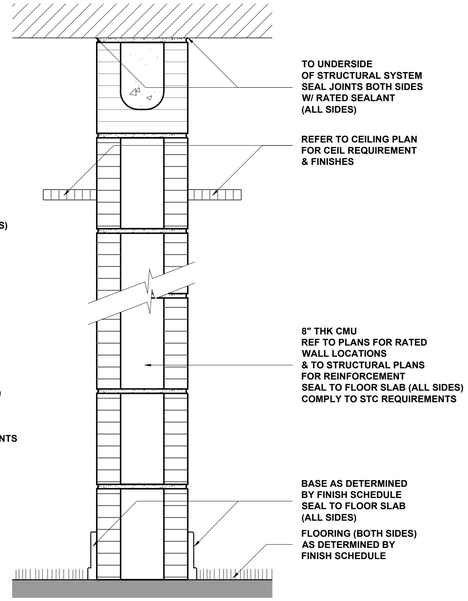


SECTION

(STC 52)
C4 INTERIOR CMU WALL W/ GYP FIN ONE SIDE
SCALE: 2" = 1'-0"

C4a 1 HOUR FIRE RATED - UL905 - (STC 52)
INTERIOR CMU WALL W/ GYP FIN ONE SIDE
SCALE: 2" = 1'-0"

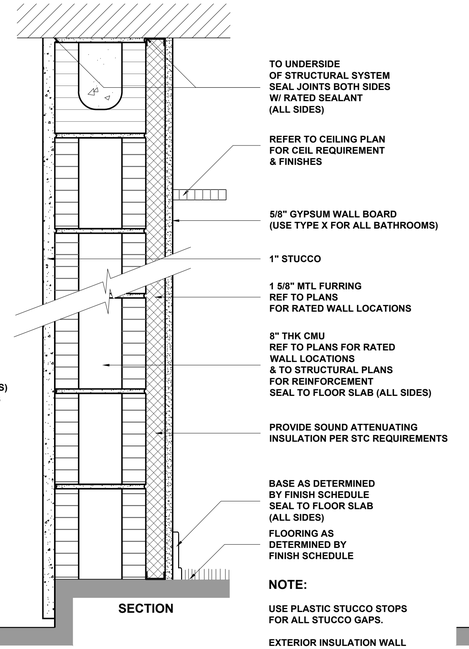
C4b 2 HOUR FIRE RATED - UL905 - (STC 52)
INTERIOR CMU WALL W/ GYP FIN ONE SIDE
SCALE: 2" = 1'-0"



SECTION

C3 CMU WALL (STC 52)
SCALE: 2" = 1'-0"

C3b 2 HOUR FIRE RATED - UL905 - (STC 52)
CMU WALL
SCALE: 2" = 1'-0"



SECTION

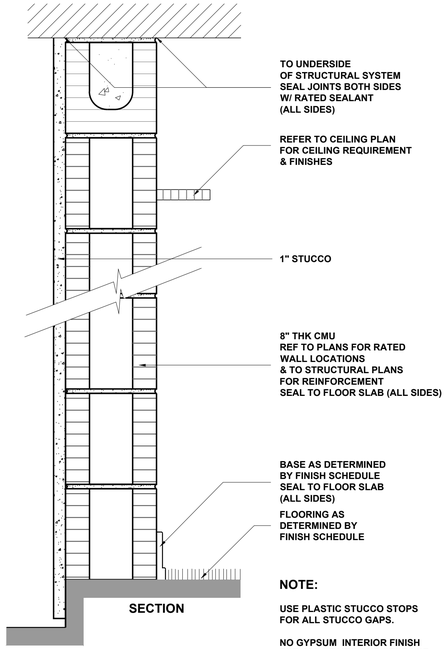
NOTE:

USE PLASTIC STUCCO STOPS
FOR ALL STUCCO GAPS.

EXTERIOR INSULATION WALL
TO BE R11 MINIMUM.

PLAN VIEW

C2 STUCCO FINISH - (STC 52)
EXTERIOR CMU WALL W/ GYP INTERIOR
SCALE: 2" = 1'-0"



SECTION

NOTE:

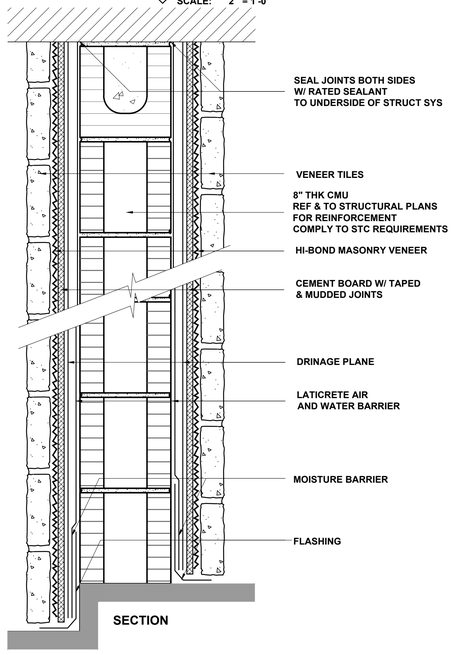
USE PLASTIC STUCCO STOPS
FOR ALL STUCCO GAPS.

NO GYPSUM INTERIOR FINISH
FOR ALL STAIRS AND STORAGE
ROOMS.

PLAN VIEW

C1 STUCCO FINISH - (STC 52)
EXTERIOR CMU WALL
SCALE: 2" = 1'-0"

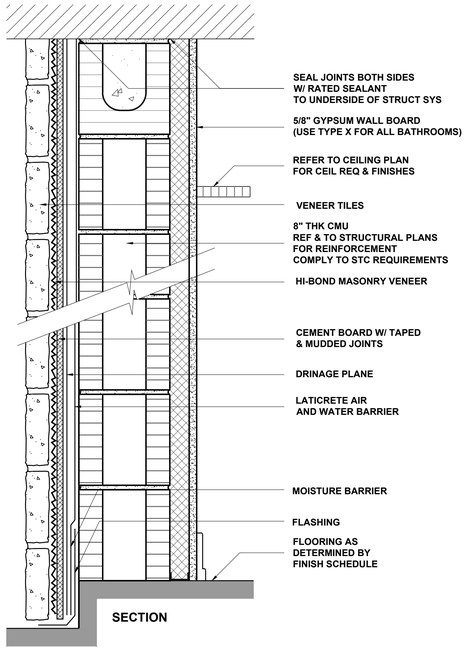
C1b 2 HOUR FIRE RATED - UL905 - (STC 52)
STUCCO FINISH - EXTERIOR CMU WALL
SCALE: 2" = 1'-0"



SECTION

PLAN VIEW

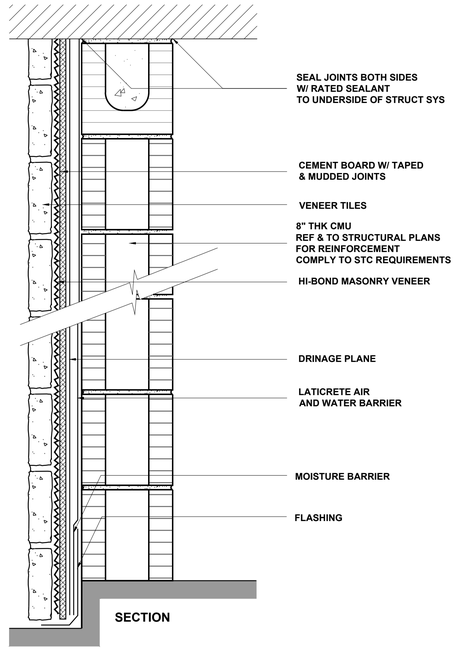
C9 2 HOUR FIRE RATED - UL905
BRICK FINISH CMU WALL -
SCALE: 1-1/2" = 1'-0"



SECTION

PLAN VIEW

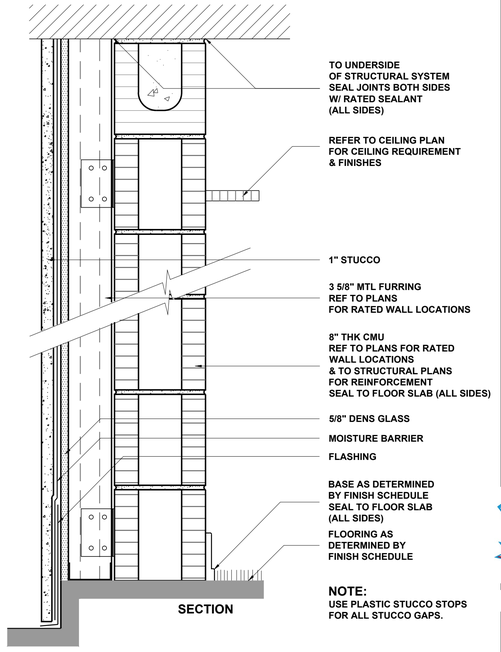
C8 2 HOUR FIRE RATED - UL905
BRICK FINISH CMU WALL -
SCALE: 1-1/2" = 1'-0"



SECTION

PLAN VIEW

C7 2 HOUR FIRE RATED - UL905
BRICK FINISH CMU WALL -
SCALE: 2" = 1'-0"



SECTION

NOTE:
USE PLASTIC STUCCO STOPS
FOR ALL STUCCO GAPS.

PLAN VIEW

C6 STUCCO FINISH - (STC 52)
EXTERIOR CMU WALL
SCALE: 2" = 1'-0"

1 A1.3 **WALL SCHEDULE**
SCALE: 2" = 1'-0"

PERMIT SET
07-11-2024

AA C000606

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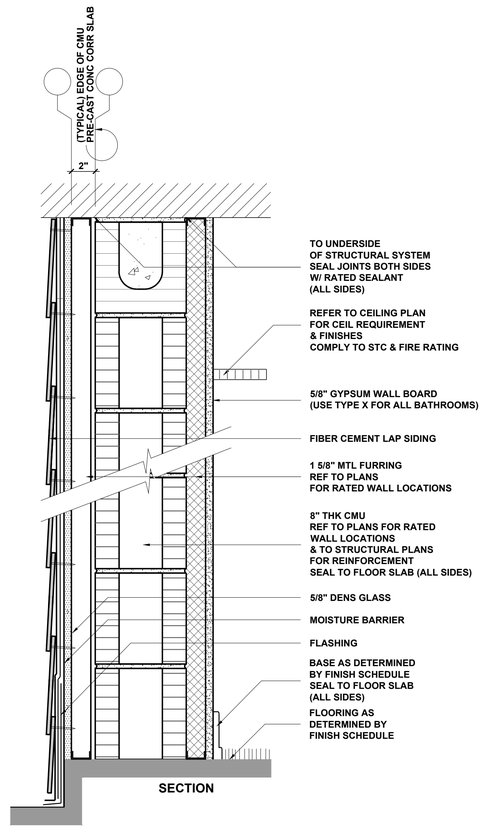
TRU HOTEL BY HILTON
RAJ PATEL
STUART, FLORIDA

Jacquin & Sons Construction Misi.com SCC004473 50th ANNIVERSARY
Construction Manager

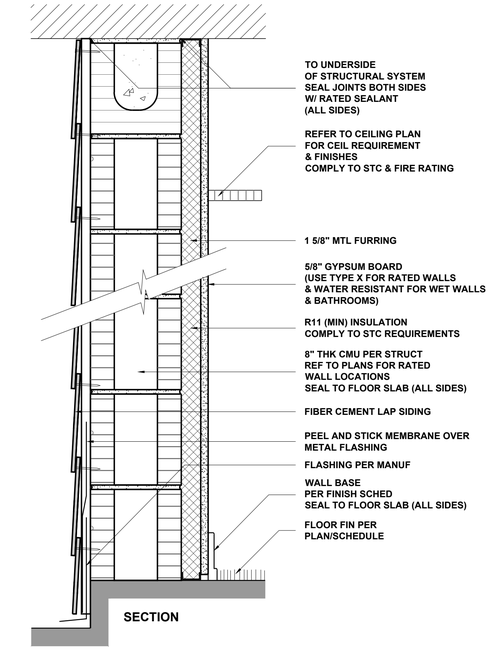
JOB NO.
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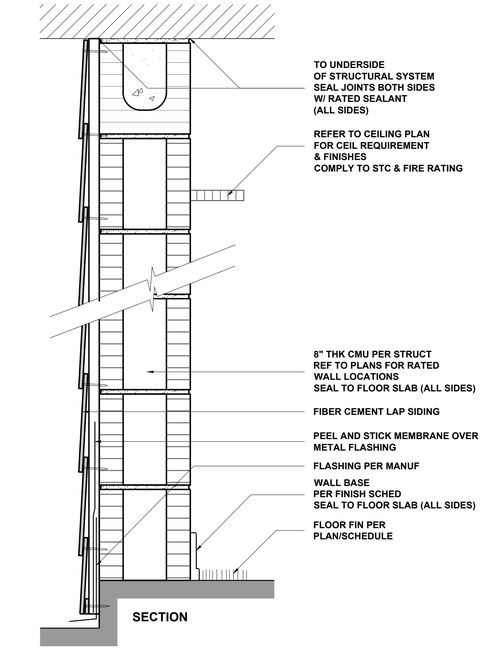
SHEET
A1.3



C12 FIBER CEMENT SIDING PANEL
EXTERIOR CMU WALL
SCALE: 2 " = 1'-0"



C11 FIBER CEMENT SIDING PANEL
EXTERIOR CMU WALL
SCALE: 2 " = 1'-0"



C10 FIBER CEMENT SIDING PANEL
EXTERIOR CMU WALL
SCALE: 2 " = 1'-0"

1 A1.4 **WALL SCHEDULE**
SCALE: 2 " = 1'-0"

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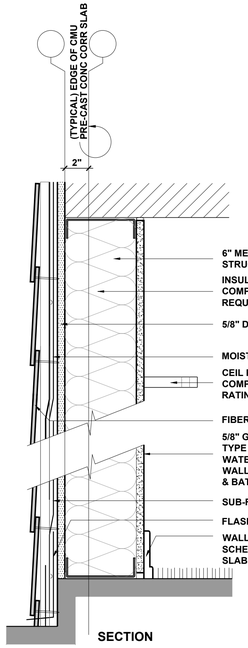
TRU HOTEL BY HILTON
RAJ PATEL
STUART, FLORIDA

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Construction Manager

JOB NO.
22039

DATE
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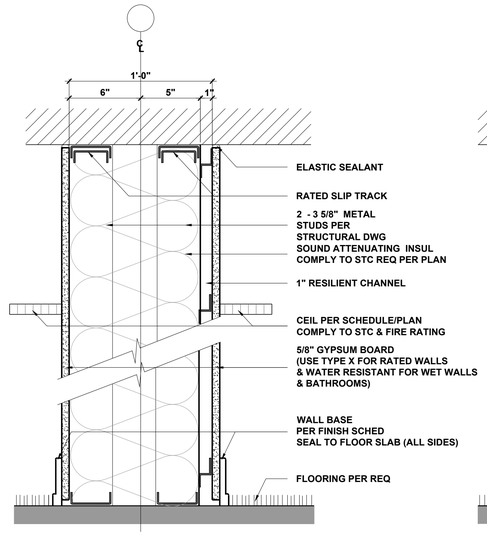
SHEET
A1.4



SECTION

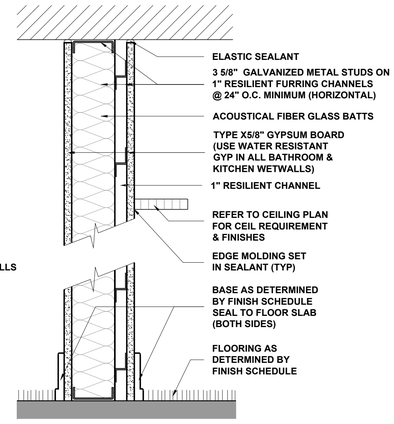
S17 **6" EXTERIOR STUD WALL**
SCALE: 2" = 1'-0"

S13 **6" EXTERIOR STUD WALL**
SCALE: 2" = 1'-0"



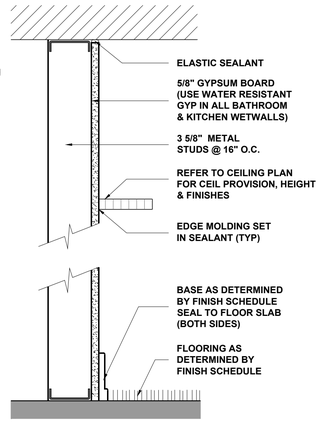
SECTION

S12 **1 HOUR FIRE RATED - UL 263**
INT STUD WALL W/ GYP FIN BOTH SIDES
SCALE: 2" = 1'-0"



SECTION

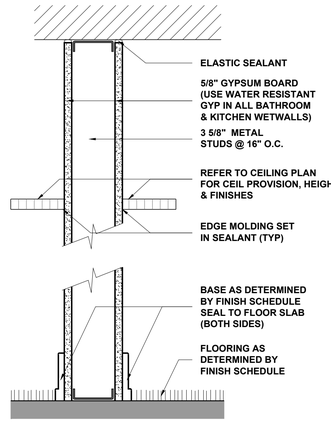
S11 **1 HOUR FIRE RATED - U 419 - (STC 51)**
INT 3 5/8" STUD WALL W/ GYP FIN BOTH SIDES
SCALE: 2" = 1'-0"



SECTION

S10 **INT 3 5/8" STUD WALL W/ GYP FIN ONE SIDE**
SCALE: 2" = 1'-0"

S10a **(STC 51)**
INT 3 5/8" STUD WALL W/ GYP FIN ONE SIDE
SCALE: 2" = 1'-0"

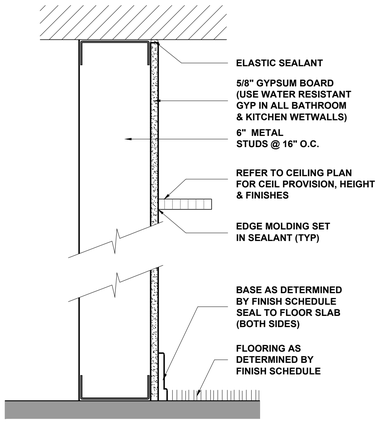


SECTION

S9 **INT 3 5/8" STUD WALL W/ GYP FIN BOTH SIDES**
SCALE: 2" = 1'-0"

S9a **(STC 51)**
INT 3 5/8" STUD WALL W/ GYP FIN BOTH SIDES
SCALE: 2" = 1'-0"

S9b **2 HOUR FIRE RATED - U 419 - (STC 51)**
INT 3 5/8" STUD WALL W/ GYP FIN BOTH SIDES
SCALE: 2" = 1'-0"



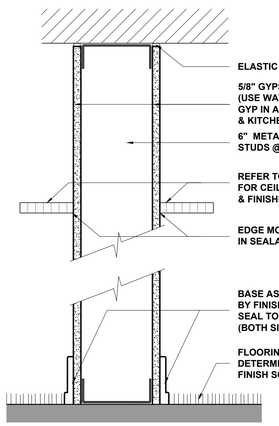
SECTION

S8 **INT 6" STUD WALL W/ GYP FIN ONE SIDE**
SCALE: 2" = 1'-0"

S8a **INT 6" STUD WALL W/ GYP FIN ONE SIDE**
SCALE: 2" = 1'-0"

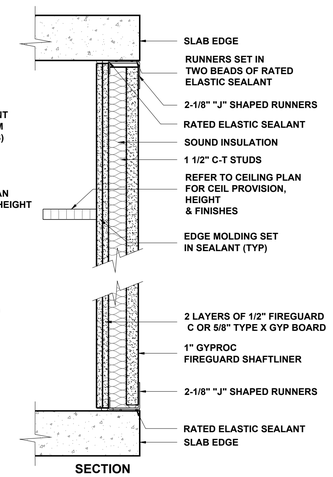
NOTES

1. ALL PENETRATIONS PIPES, CONDUITS, ETC., MUST BE SEALED TO MAINTAIN FIRE RATING. DO NOT INSTALL ELECTRICAL OUTLETS BACK-TO-BACK
2. ALL WALLS TO COMPLY WITH REQUIRED STC REQUIREMENTS.



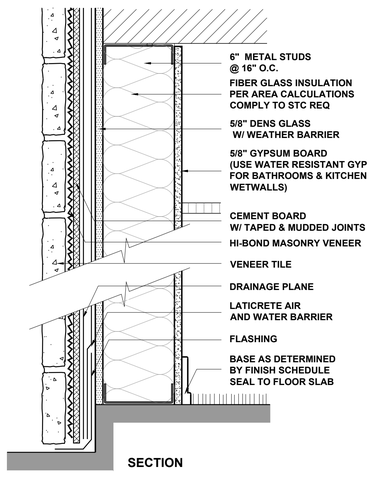
SECTION

S7 **INT 6" STUD WALL W/ GYP FIN BOTH SIDES**
SCALE: 2" = 1'-0"



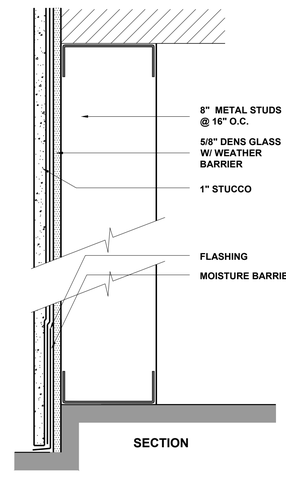
SECTION

S6 **2 HOUR FIRE RATED - U 438**
INT STUD SHAFT WALL - (STC 51)
SCALE: 2" = 1'-0"



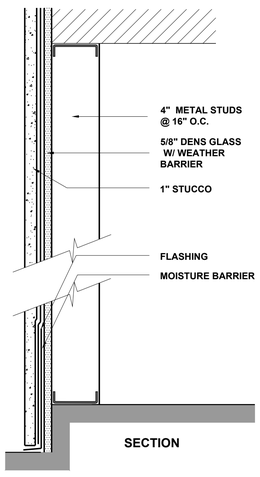
SECTION

S5 **VENEER FINISH**
6" EXTERIOR STUD WALL W/ INT GYP FIN
SCALE: 2" = 1'-0"



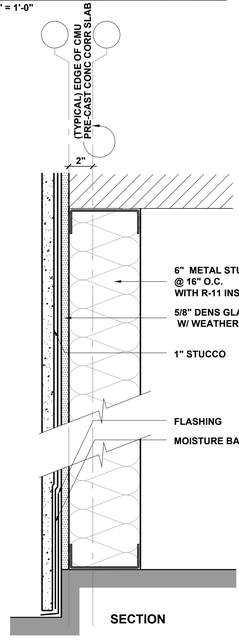
SECTION

S4 **EXT 8" STUD WALL**
SCALE: 2" = 1'-0"



SECTION

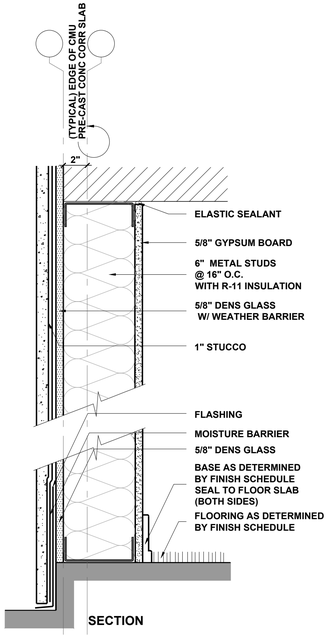
S3 **EXT 4" STUD WALL**
SCALE: 2" = 1'-0"



SECTION

S2 **EXT 6" STUD WALL**
SCALE: 2" = 1'-0"

S2a **EXT 6" STUD WALL**
SCALE: 2" = 1'-0"



SECTION

S1 **EXT 6" STUD WALL W/ INT GYP FIN**
SCALE: 2" = 1'-0"

S1a **EXT 6" STUD WALL W/ INT GYP FIN**
SCALE: 2" = 1'-0"

1 A1.5 **WALL SCHEDULE**
SCALE: 2" = 1'-0"

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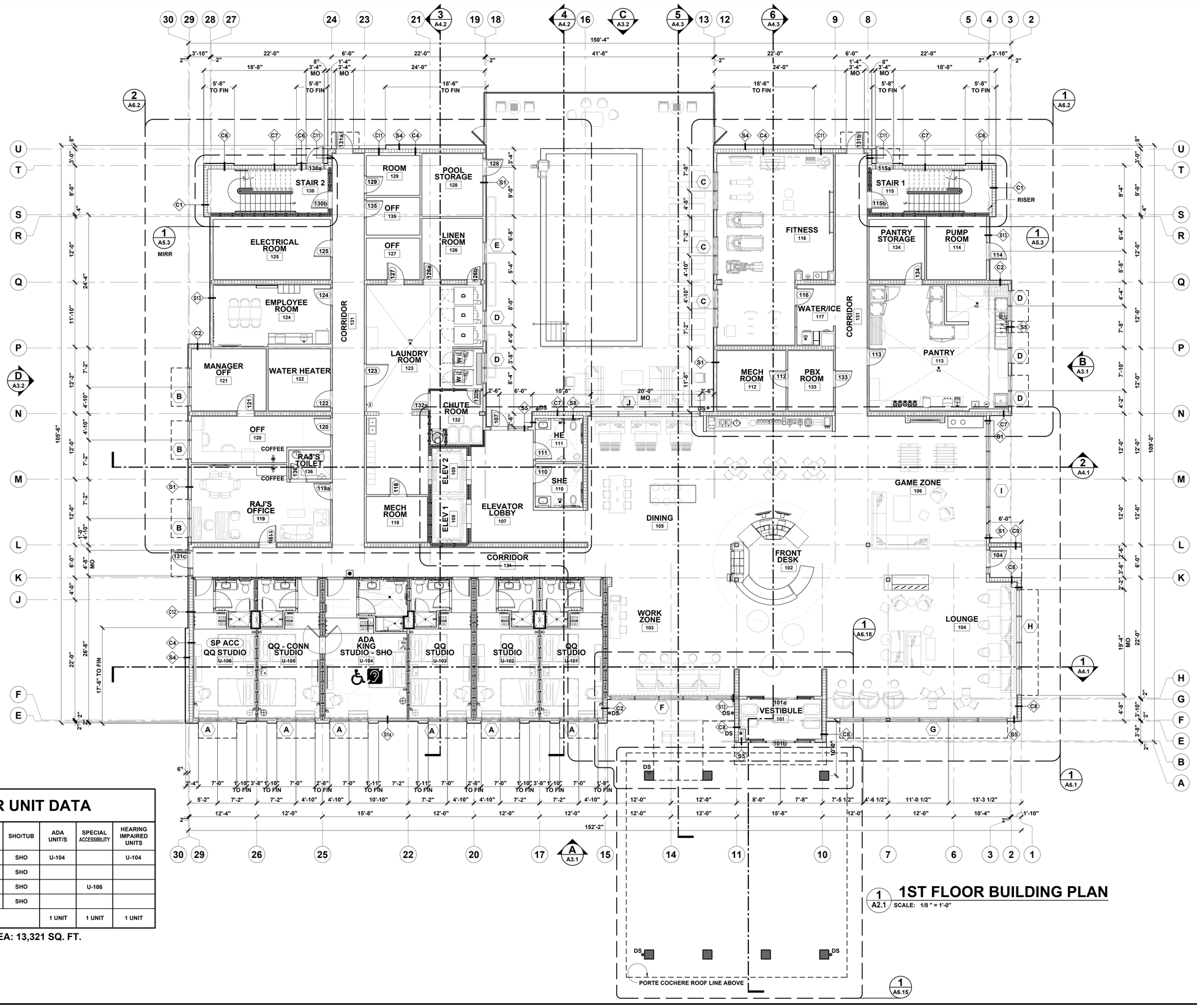
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RAJ PATEL
STUART, FLORIDA

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Construction Manager

JOB NO. 22039
DATE 07-11-2024
SHEET **A1.5**



1ST FLOOR UNIT DATA

UNIT TYPE	TOTAL	SHO/TUB	ADA UNIT/S	SPECIAL ACCESSIBILITY	HEARING IMPAIRED UNITS
KING - STUDIO ADA	1 UNIT	SHO	U-104		U-104
QQ - STUDIO	3UNITS	SHO			
QQ STUDIO (SP ACC)	1 UNIT	SHO		U-106	
QQ - STUDIO CONNECTING	1 UNIT	SHO			
TOTAL UNITS: 6 UNITS			1 UNIT	1 UNIT	1 UNIT

TOTAL FLOOR BUILDING AREA: 13,321 SQ. FT.

1 A2.1 1ST FLOOR BUILDING PLAN

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

PERMIT SET
07-11-2024

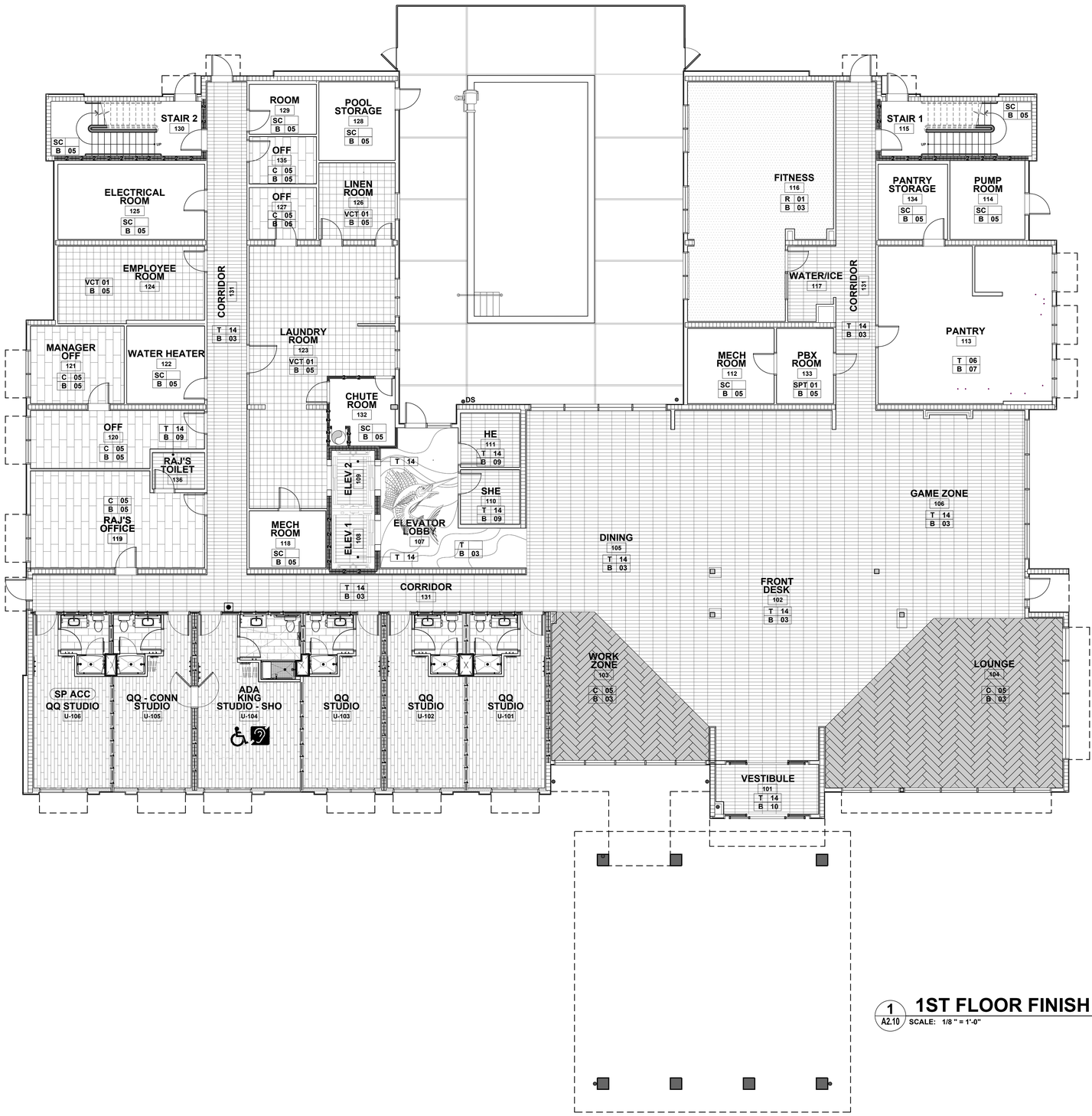
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Construction Manager

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1 A2.10 **1ST FLOOR FINISH PLAN**

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

MATERIAL LEGEND

	VCT
	CARPET TILE HERRINGBONE LAYOUT
	CARPET TILE LINEAR LAYOUT
	VINYL TILE LINEAR LAYOUT
	RUBBER TILE
	PORCELAIN TILE (BATH-UNITS)
	PORCELAIN TILE (PUBLIC AREA)

FINISH LEGEND

C	CARPET
SC	SEALED CONCRETE
T	TILE
VCT	VINYL COMPOSITE TILE
B	BASE

FINISH NOTES

1. REFER TO TRU BY HILTON ARCHITECTURAL FINISHES AND FIXTURES PACKAGE FOR SPECIFICATIONS.
2. USE LOW PROFILE METAL SCHLUTER-SCHEINE (OR EQUIVALENT) AT TRANSITION BETWEEN CARPET ADN TILE. RUBBER OR THICK PROFILE TRANSITIONS ARE NOT ACCEPTABLE.
3. G.C. SHALL TREAT SLAB AS REQUIRED TO ACCOMMODATE VARIANCES IN FLOOR FINISH HEIGHTS.

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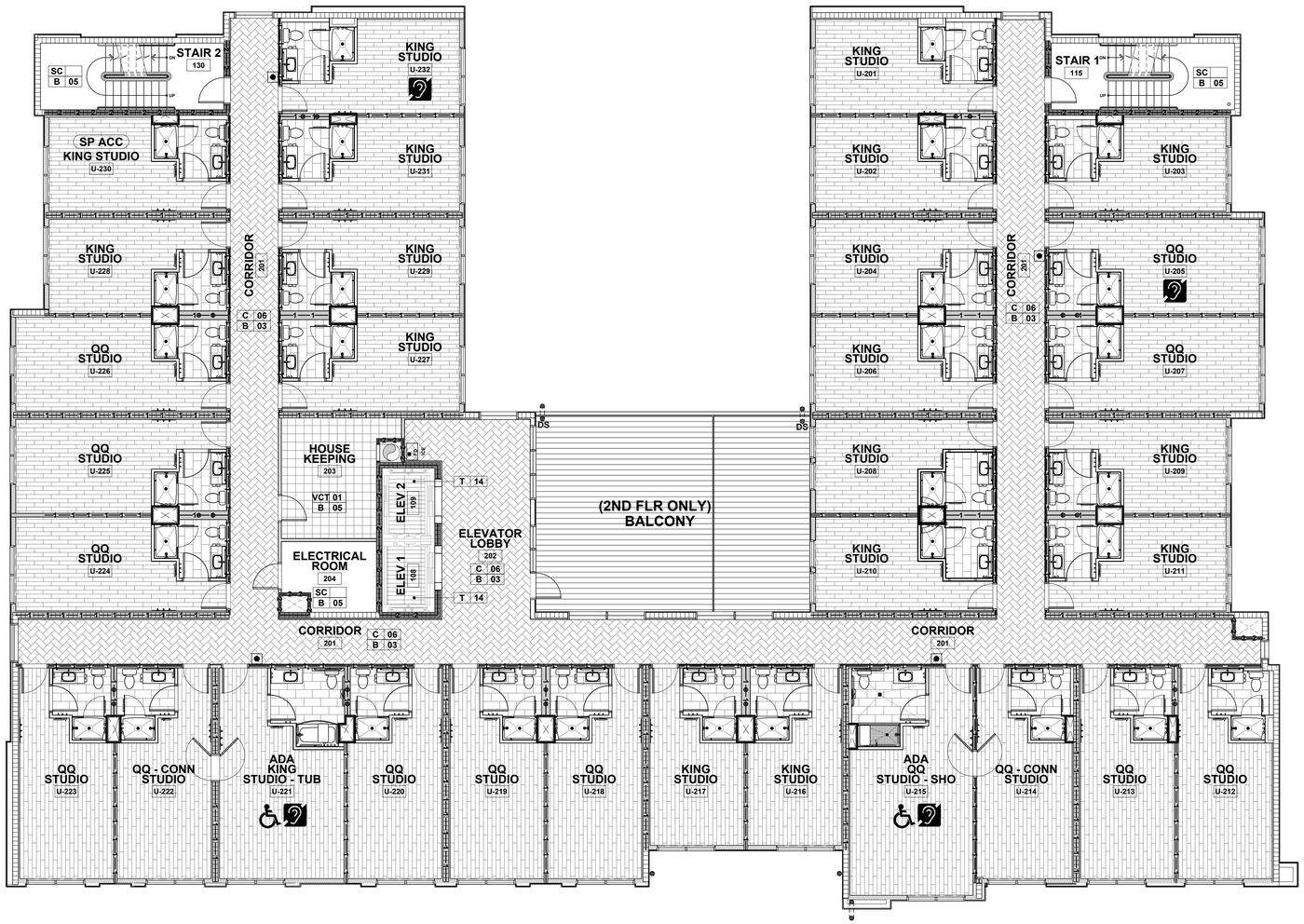
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STUART, FLORIDA

Construction Manager

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DATE	07-11-2024
SHEET	A2.10



1 A2.11 TYPICAL FLOOR FINISH PLAN

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

MATERIAL LEGEND

	VCT
	CARPET TILE HERRINGBONE LAYOUT
	VINYL TILE LINEAR LAYOUT
	RUBBER TILE
	PORCELAIN TILE
	WOOD SLATS

FINISH LEGEND

C	CARPET
SC	SEALED CONCRETE
T	TILE
VCT	VINYL COMPOSITE TILE
B	BASE

FINISH NOTES

1. REFER TO TRU BY HILTON ARCHITECTURAL FINISHES AND FIXTURES PACKAGE FOR SPECIFICATIONS.
2. USE LOW PROFILE METAL SCHLUTER-SCHEINE (OR EQUIVALENT) AT TRANSITION BETWEEN CARPET ADN TILE. RUBBER OR THICK PROFILE TRANSITIONS ARE NOT ACCEPTABLE.
3. G.C. SHALL TREAT SLAB AS REQUIRED TO ACCOMMODATE VARIANCES IN FLOOR FINISH HEIGHTS.

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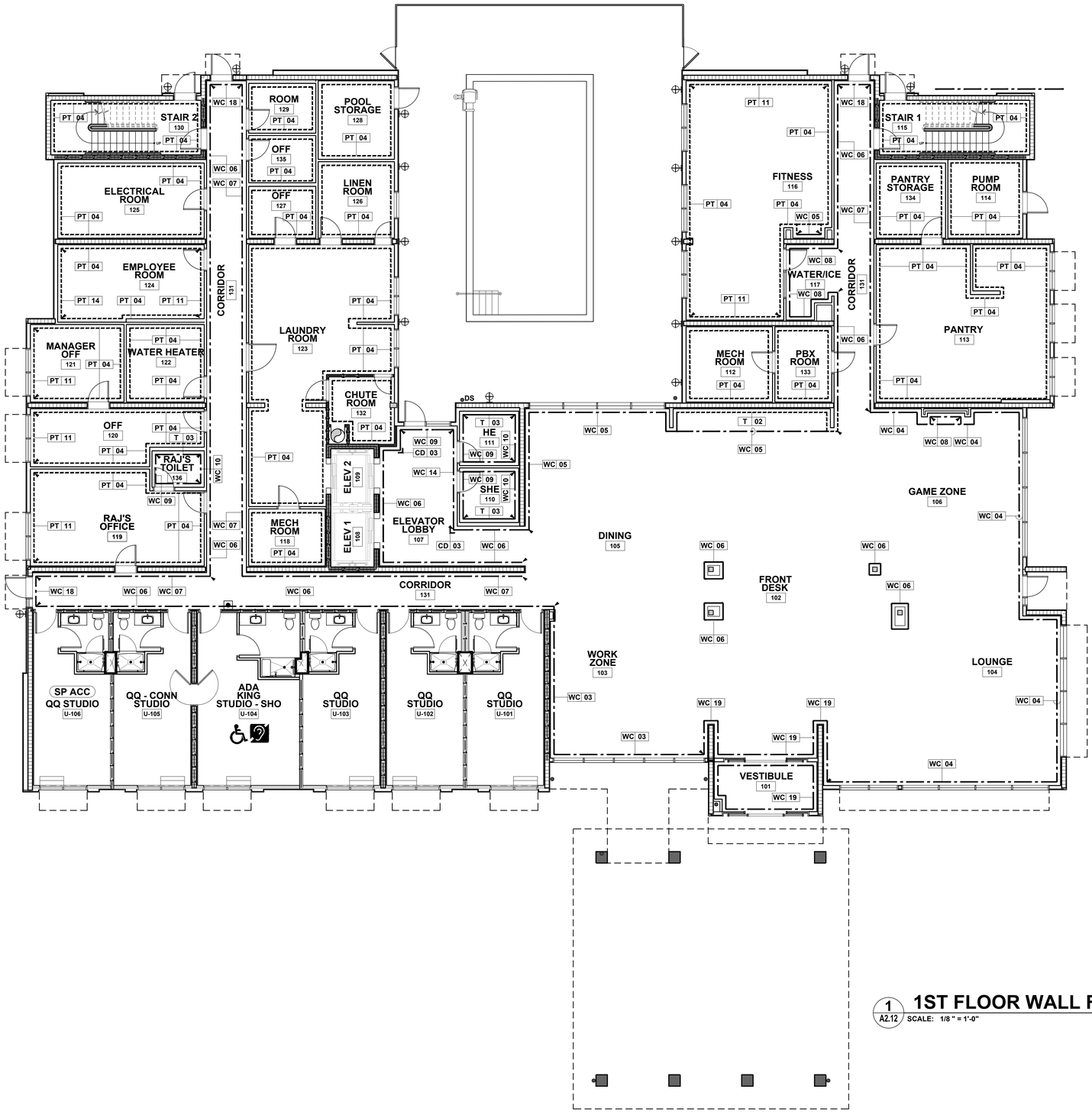
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Construction Manager

JOB NO. 22039

DATE 07-11-2024

SHEET A2.11



1 A2.12 **1ST FLOOR WALL FINISH PLAN**

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

NOTES

1. REFER TO TRU BY HILTON BRAND STANDARDS FOR ADDITIONAL REQUIREMENTS FOR PASSENGER ELEVATORS, ELEVATOR LOBBIES & CORRIDORS.

2. REFER TO TRU BY HILTON BRAND STANDARDS FOR ADDITIONAL REQUIREMENTS FOR BACK OF HOUSE AREAS.

NOTE:
REFER TO TRU BY HILTON ARCHITECTURAL FINISHES AND FIXTURES PACKAGE FOR SPECIFICATIONS

WALL SCHEDULE

	PAINT FINISH
	WALL COVERING
	TILE
	TRANSITION / STOP POINT
	WALL FINISH PLAN IS FOR WALL FINISH STOP AND STARTING REFERENCE ONLY. DRAWING DOES NOT INDICATE DOORS, CASINGS, GRILLS, BASE TRIM, ETC. THAT MAY ALSO RECEIVE A SEPARATE FINISH SPECIFICATION. REFER ALSO TO INTERIOR SPECIFICATIONS AND ELEVATIONS.
	CORNER GUARD LOCATION - SPECIFICATIONS ALIGN WITH ADJACENT WALL COVERING SPECIFICATION

FINISH LEGEND

CD-03	LIGHT GRAY CORNER GUARDS @ GUEST
	CORRIDORS & ELEVATOR LOBBIES
CD-04	DARK GRAY CORNER GUARDS @ GAME AREA COLUMN
WC-03	WALLCOVERING @ WORK AREA
WC-04	WOOD LOOK WALLCOVERING @ DINING, LOUNGE
	AND GAME AREA
WC-05	DARK WALLCOVERING @ BREAKFAST BUFFET &
	FITNESS CENTER MILLWORK WALL
WC-06	OVERALL WALLCOVERING @ PUBLIC AREAS AND
	GUEST CORRIDORS
WC-07	ACCENT WALLCOVERING @ CORRIDORS
WC-08	ACCENT WALLCOVERING @ LOBBY, WATER/ICE
	AND TRULY LOCAL WALL
WC-09	OVERALL WALLCOVERING @ PUBLIC RESTROOMS
WC-10	CUSTOM GRAPHIC WALLCOVERING @ RESTROOM
WC-11	CUSTOM GRAPHIC WALLCOVERING @ RESTROOM
WC-14	CUSTOM GRAPHIC WALLCOVERING @ 1ST FLOOR
WC-15	CUSTOM GRAPHIC WALLCOVERING @ 2ND FLOOR
WC-16	CUSTOM GRAPHIC WALLCOVERING @ 3RD FLOOR
WC-17	CUSTOM GRAPHIC WALLCOVERING @ 4TH FLOOR
WC-18	ACCENT WALLCOVERING @ CORRIDOR ENDS &
	ELEVATOR LOBBY WALL
WC-19	WALLCOVERING @LOBBY VESTIBULE & GAME AREA
	AND TRULY LOCAL WALL

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Construction Manager

JOB NO.
22039

DATE
07-11-2024

SHEET
A2.12



1 A2.13 TYPICAL FLOOR WALL FINISH PLAN

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

NOTES

1. REFER TO TRU BY HILTON BRAND STANDARDS FOR ADDITIONAL REQUIREMENTS FOR PASSENGER ELEVATORS, ELEVATOR LOBBIES & CORRIDORS.

2. REFER TO TRU BY HILTON BRAND STANDARDS FOR ADDITIONAL REQUIREMENTS FOR BACK OF HOUSE AREAS.

NOTE:
REFER TO TRU BY HILTON ARCHITECTURAL FINISHES AND FIXTURES PACKAGE FOR SPECIFICATIONS

WALL SCHEDULE

	PAINT FINISH
	WALL COVERING
	TILE
	TRANSITION / STOP POINT
	WALL FINISH PLAN IS FOR WALL FINISH STOP AND STARTING REFERENCE ONLY. DRAWING DOES NOT INDICATE DOORS, CASINGS, GRILLS, BASE TRIM, ETC. THAT MAY ALSO RECEIVE A SEPARATE FINISH SPECIFICATION. REFER ALSO TO INTERIOR SPECIFICATIONS AND ELEVATIONS.
	CORNER GUARD LOCATION - SPECIFICATIONS ALIGN WITH ADJACENT WALL COVERING SPECIFICATION

FINISH LEGEND

CD-03	LIGHT GRAY CORNER GUARDS @ GUEST
	CORRIDORS & ELEVATOR LOBBIES
CD-04	DARK GRAY CORNER GUARDS @ GAME AREA COLUMN
WC-03	WALLCOVERING @ WORK AREA
WC-04	WOOD LOOK WALLCOVERING @ DINING, LOUNGE
	AND GAME AREA
WC-05	DARK WALLCOVERING @ BREAKFAST BUFFET &
	FITNESS CENTER MILLWORK WALL
WC-06	OVERALL WALLCOVERING @ PUBLIC AREAS AND
	GUEST CORRIDORS
WC-07	ACCENT WALLCOVERING @ CORRIDORS
WC-08	ACCENT WALLCOVERING @ LOBBY, WATER/ICE
	AND TRULY LOCAL WALL
WC-09	OVERALL WALLCOVERING @ PUBLIC RESTROOMS
WC-10	CUSTOM GRAPHIC WALLCOVERING @ RESTROOM
WC-11	CUSTOM GRAPHIC WALLCOVERING @ RESTROOM
WC-14	CUSTOM GRAPHIC WALLCOVERING @ 1ST FLOOR
WC-15	CUSTOM GRAPHIC WALLCOVERING @ 2ND FLOOR
WC-16	CUSTOM GRAPHIC WALLCOVERING @ 3RD FLOOR
WC-17	CUSTOM GRAPHIC WALLCOVERING @ 4TH FLOOR
WC-18	ACCENT WALLCOVERING @ CORRIDOR ENDS &
	ELEVATOR LOBBY WALL
WC-19	WALLCOVERING @LOBBY VESTIBULE & GAME AREA
	AND TRULY LOCAL WALL

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07-11-2024

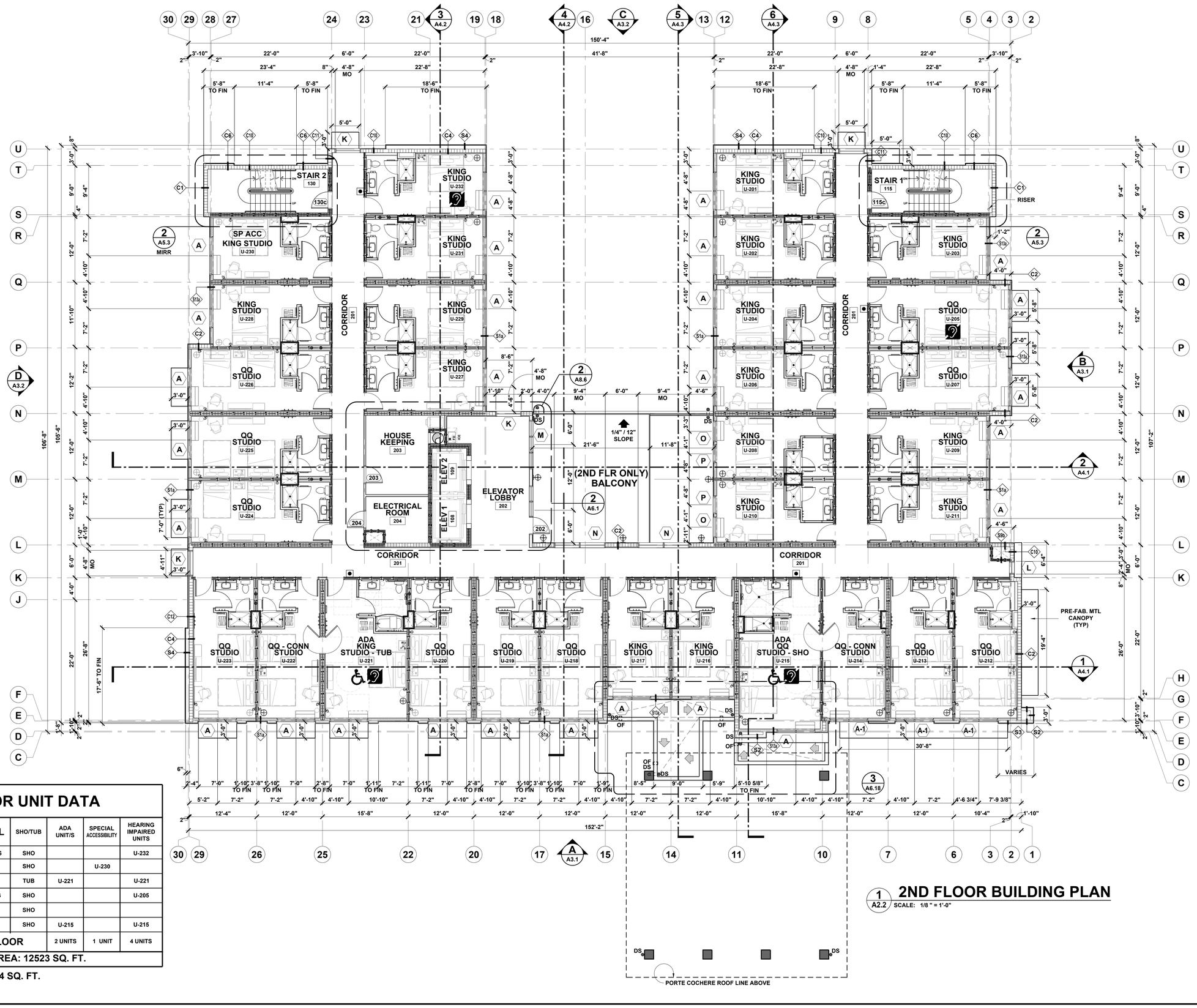
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Construction Manager

JOB NO.	22039
DATE	07-11-2024
SHEET	A2.13



2ND FLOOR UNIT DATA

UNIT TYPE	TOTAL	SHO/TUB	ADA UNIT/S	SPECIAL ACCESSIBILITY	HEARING IMPAIRED UNITS
KING - STUDIO	16 UNITS	SHO			U-232
KING STUDIO (SP ACC)	1 UNIT	SHO		U-230	
KING - STUDIO ADA	1 UNIT	TUB	U-221		U-221
QQ - STUDIO	11 UNITS	SHO			U-205
QQ - STUDIO CONNECTING	2 UNITS	SHO			
QQ - STUDIO ADA	1 UNIT	SHO	U-215		U-215
TOTAL UNITS: 32 UNITS / FLOOR			2 UNITS	1 UNIT	4 UNITS
TOTAL FLOOR BUILDING AREA: 12523 SQ. FT.					

TOTAL BALCONY AREA: 514 SQ. FT.

1 A2.2 2ND FLOOR BUILDING PLAN

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

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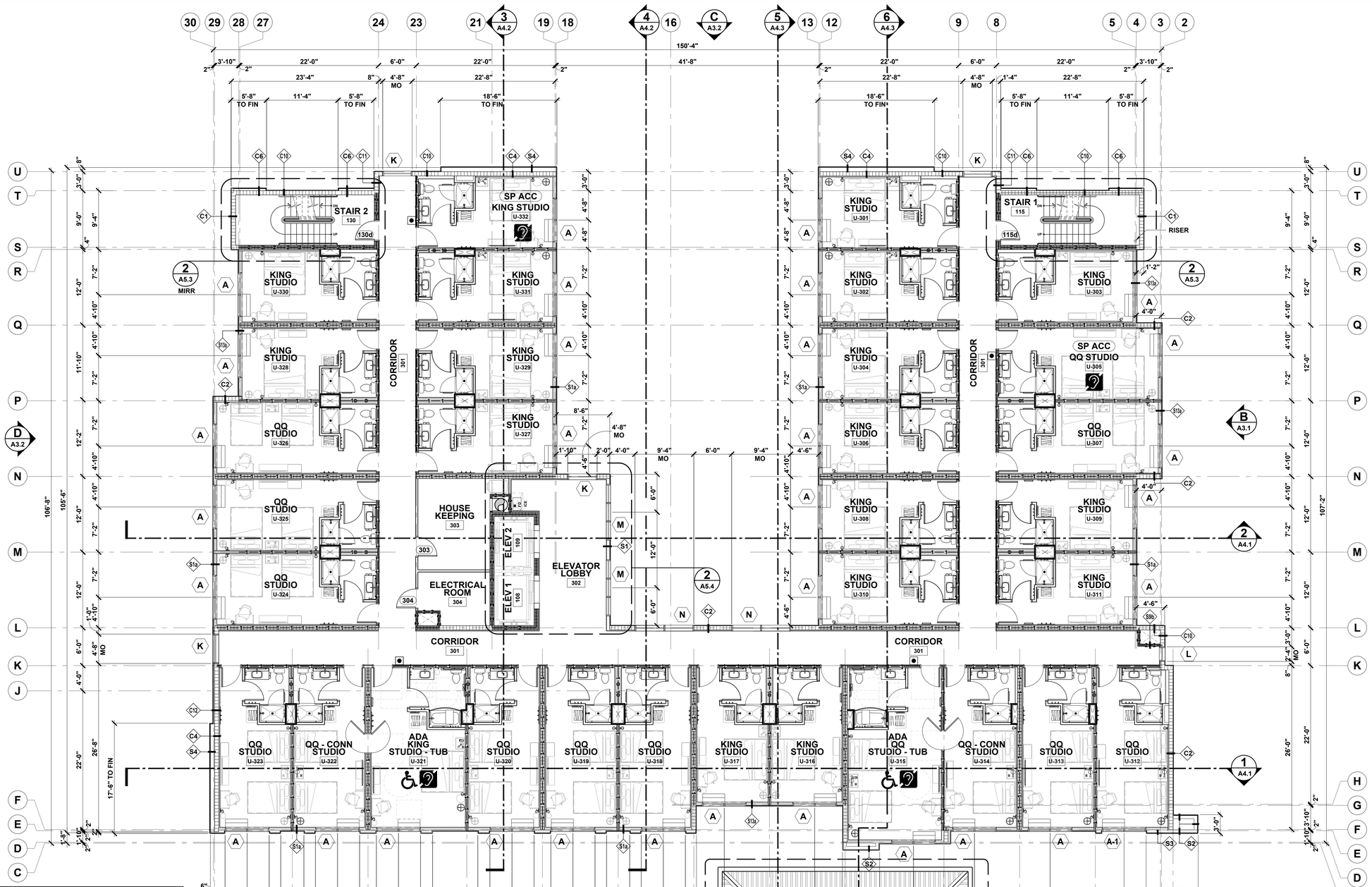
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Construction Manager

JOB NO. 22039
DATE 07-11-2024
SHEET A2.2



3RD FLOOR UNIT DATA

UNIT TYPE	TOTAL	SHO/TUB	ADA UNIT/S	SPECIAL ACCESSIBILITY	HEARING IMPAIRED UNITS
KING - STUDIO	16 UNITS	SHO			
KING STUDIO (SP ACC)	1 UNIT	SHO		U-332	U-332
KING - STUDIO ADA	1 UNIT	TUB	U-321		U-321
QQ - STUDIO	10 UNITS	SHO			
QQ STUDIO (SP ACC)	1 UNIT	SHO		U-305	U-305
QQ - STUDIO CONNECTING	2 UNITS	SHO			
QQ - STUDIO ADA	1 UNIT	TUB	U-315		U-315
TOTAL UNITS: 32 UNITS / FLOOR			2 UNITS	2 UNITS	4 UNITS
TOTAL FLOOR BUILDING AREA: 12523 SQ. FT.					

1 A2.3 3RD FLOOR BUILDING PLAN

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

PERMIT SET

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HARTER - ADAMS P.A.

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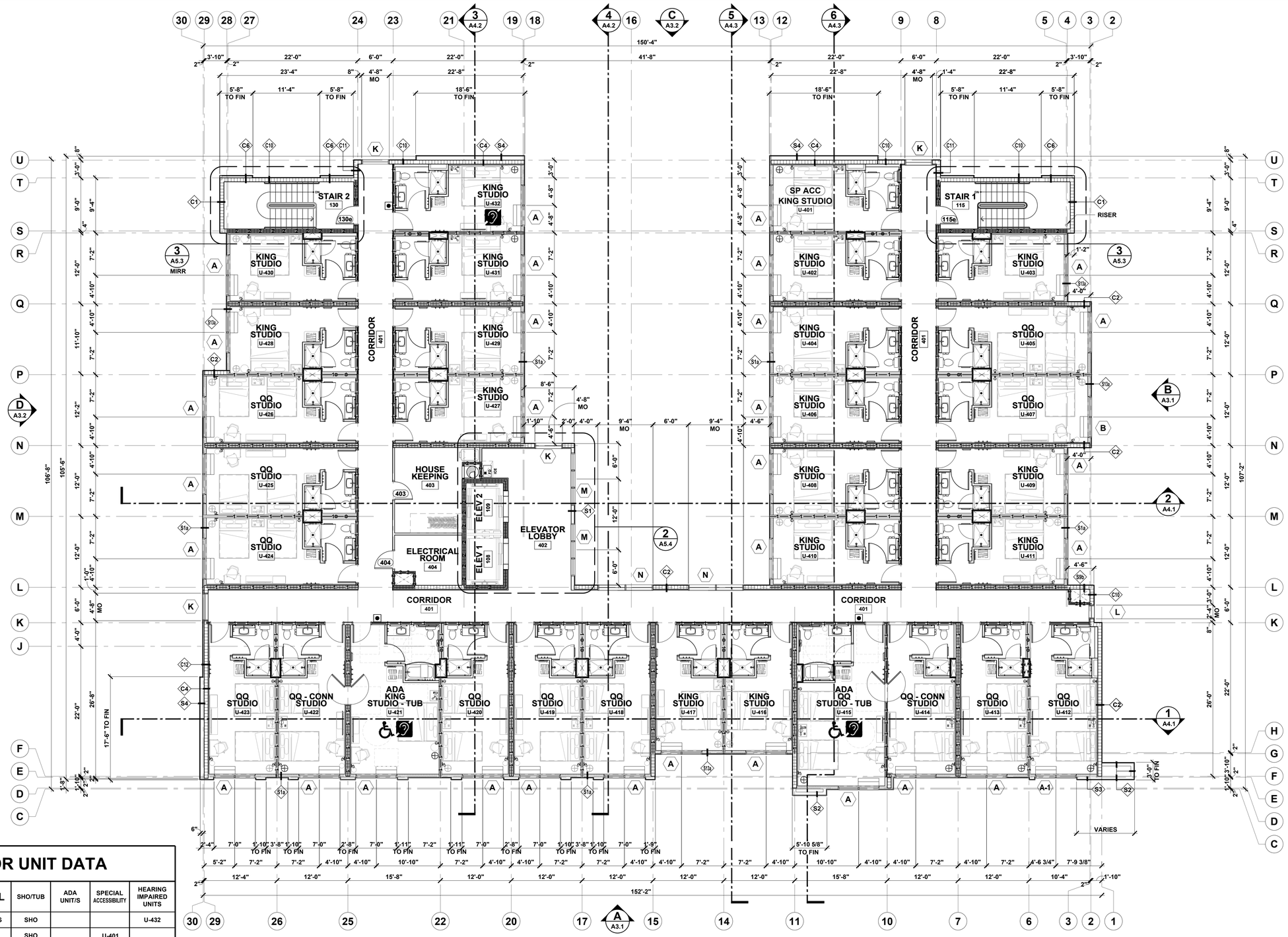
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DATE 07-11-2024

SHEET A2.3



4TH FLOOR UNIT DATA

UNIT TYPE	TOTAL	SHO/TUB	ADA UNIT/S	SPECIAL ACCESSIBILITY	HEARING IMPAIRED UNITS
KING - STUDIO	17 UNITS	SHO			U-432
KING STUDIO (SP ACC)	1 UNIT	SHO		U-401	
KING - STUDIO ADA	1 UNIT	TUB	U-421		U-421
QQ - STUDIO	11 UNITS	SHO			
QQ - STUDIO CONNECTING	2 UNITS	SHO			
QQ - STUDIO ADA	1 UNIT	TUB	U-415		U-415
TOTAL UNITS: 32 UNITS / FLOOR			2 UNITS	1 UNIT	3 UNITS
TOTAL FLOOR BUILDING AREA: 12523 SQ. FT.					

1 A2.4 4TH FLOOR BUILDING PLAN

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

PERMIT SET
07-11-2024

AA C000606

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TRU HOTEL BY HILTON
RAJ PATEL
STUART, FLORIDA

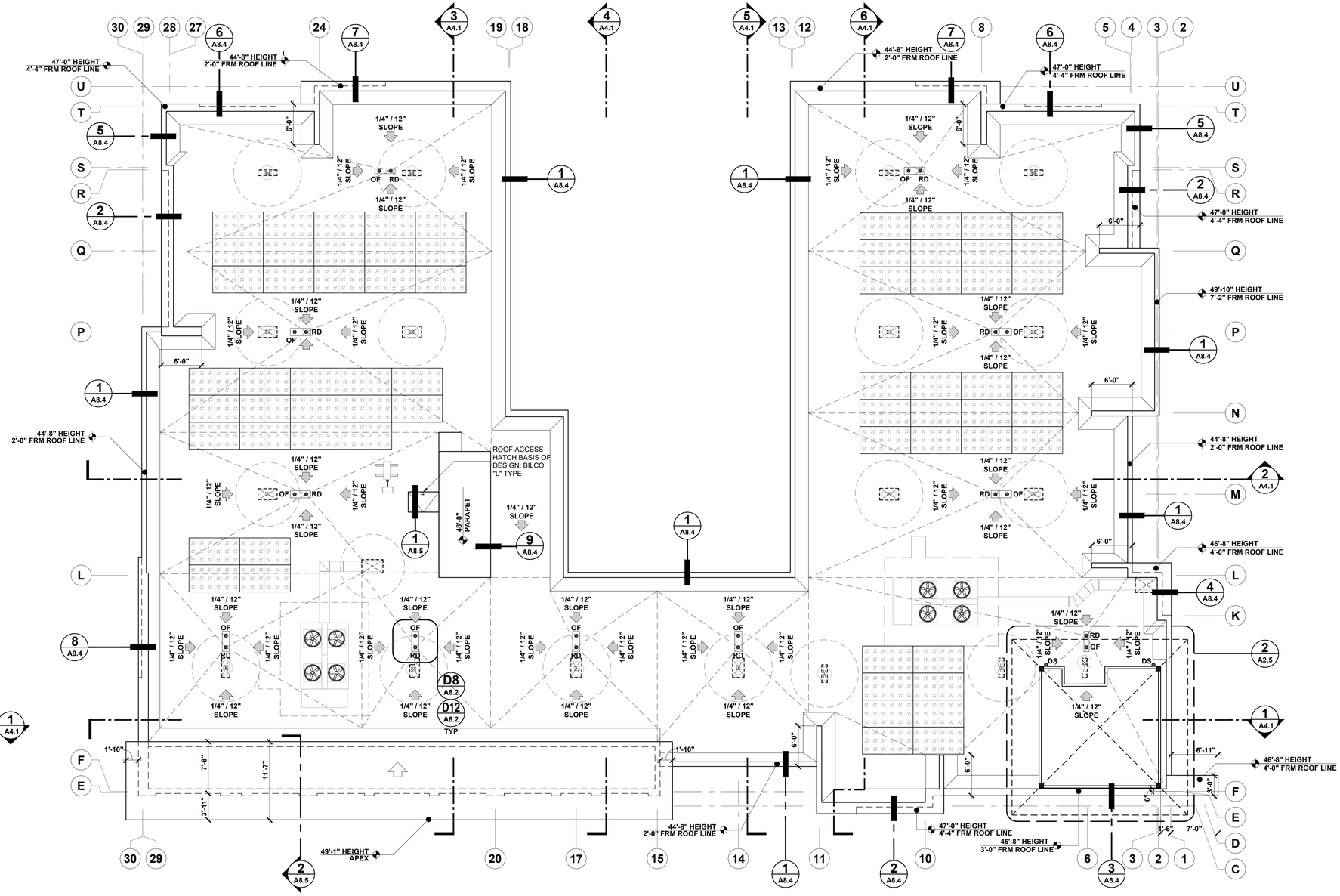
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SHEET A2.4



2 A2.5 ROOF TOWER

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



1 A2.5 ROOF PLAN

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

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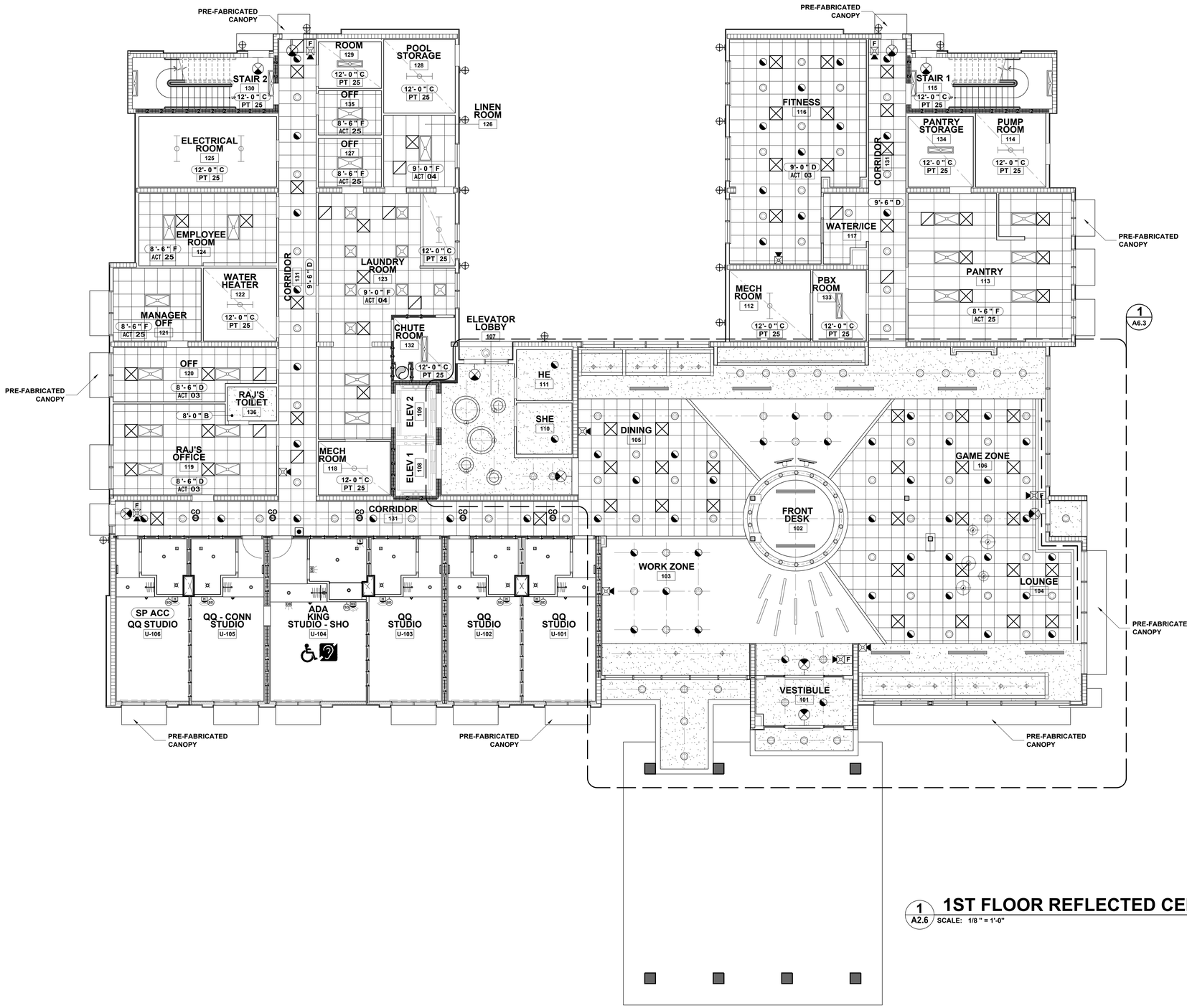
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1 A2.6 1ST FLOOR REFLECTED CEILING PLAN

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

CEILING SCHEDULE

	CEILING HEIGHT (9'-6") / CEILING FINISH (A)
A	PRIMED & PAINTED GYPSUM BOARD
B	PRIMED & PAINTED GYPSUM BOARD - MOISTURE RESISTANT
C	PAINTED EXPOSED UNDERSIDE STRUCTURE
D	2x2 LAY-IN ACOUSTICAL CEIL TILE SUSPENDED FROM STRUCT
E	2x4 LAY-IN ACOUSTICAL CEIL TILE SUSPENDED FROM STRUCT
F	2x4 LAY-IN ACOUSTICAL CEIL TILE SUSPENDED FROM STRUCT INFILLED W/ 1/2" VINYL FACED GYPSUM BOARD PANELS
G	LARGE FORMAT ACOUSTIC TILE W/ EDGE TRIM (ACT-01)
H	LARGE FORMAT ACOUSTIC TILE W/ EDGE TRIM (ACT-02)

CEILING SCHEDULE

	EMERGENCY EXIT LIGHT PER ELECTRICAL PLAN
	2X4 LED LIGHT WITH CASING LIGHT FIXTURE
	4X1 LED LIGHT WITH CASING LIGHT FIXTURE
	2X2 LED LIGHT WITH CASING LIGHT FIXTURE
	DECORATIVE LINEAR FIXTURE REFER TO FF&E PACKAGE
	WALL MOUNTED STRIP LIGHT WITH CASING
	SURFACE MOUNTED FLUORESCENT FIXTURE
	LINEAR SUPPLY DIFFUSER
	DECORATIVE ROUND LIGHT FIXTURE REFER TO FF&E PACKAGE
	DECORATIVE ROUND SUSPENDED LIGHT FIXTURE REFER TO FF&E PACKAGE
	RECESSED DOWNLIGHT
	SURFACE MOUNTED CAN DOWNLIGHT
	TRACK HEAD ON MONORAIL SYSTEM
	LINEAR LED WALL GRAZER
	DECORATIVE WALL MOUNTED SCONCE
	RECESSED DOWNLIGHT WITH EMERGENCY BACKUP
F	MANUAL PULL STATION
F	WALL MOUNTED HORN
J	JUNCTION BOX
S	SPEAKER
T T	REMOTE THERMOSTAT
	SUPPLY AIR GRILLE
	RETURN AIR GRILLE
	EXHAUST FAN
	DOORBELL - (HEARING IMPAIRED GUESTROOM ENTRANCE DOOR ONLY) MOUNT AT 46" AFF TO CENTER OF BUTTON
DB D	DOORBELL LIGHT (HEARING IMPAIRED ROOMS ONLY)
S S	STROBE (HEARING IMPAIRED ROOMS ONLY)
HS HS	FIRE HORN/STROBE (IN HEARING IMPAIRED ROOMS ONLY)
H H	FIRE HORN
SD SD	SMOKE DETECTOR
	SIDE WALL SPRINKLER HEAD

CEIL DIMENSION LEGEND

CENTER FIXTURE IN SPACE
- CENTER THE FIXTURE IN SPACE IDENTIFIED BY DIAGONAL LINE.

ALIGN FIXTURES
- ALIGN FIXTURES ALONG CENTERLINE SHOWN

CENTER OVER
- CENTER FIXTURE OVER CENTERLINE OF ADJACENT CONSTRUCTION

PERMIT SET
07-11-2024

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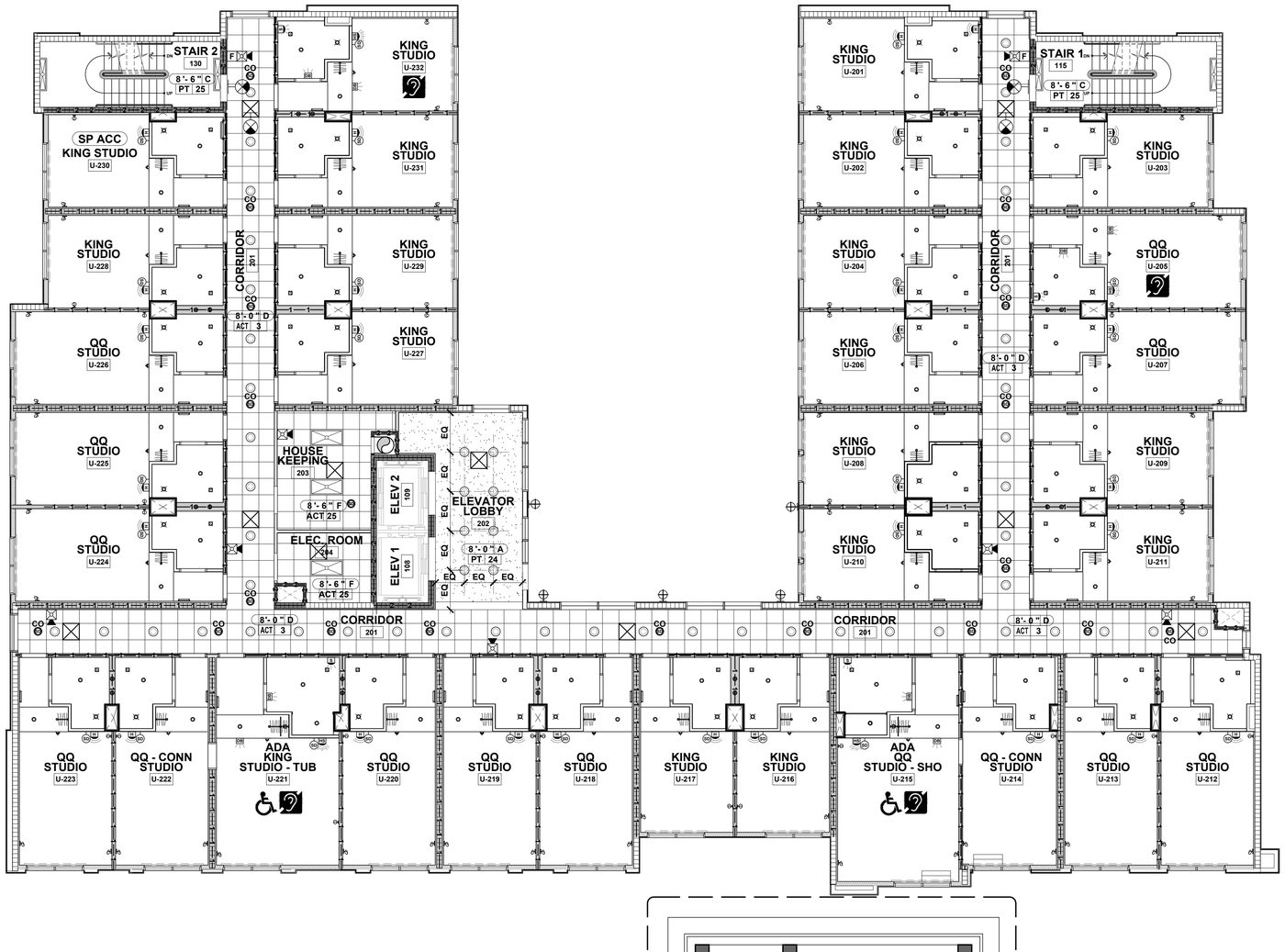
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RAJ PATEL
STUART, FLORIDA

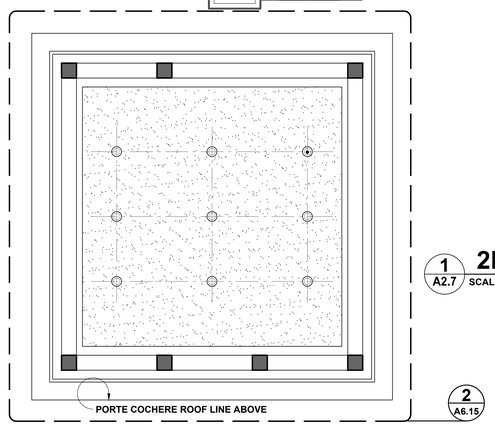
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A2.6





2 A6.15

1 A2.7 2RD FLOOR REFLECTED CEILING PLAN

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

CEILING SCHEDULE

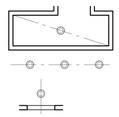
CEILING HEIGHT
9'-6" A CEILING FINISH

A	PRIMED & PAINTED GYPSUM BOARD
B	PRIMED & PAINTED GYPSUM BOARD - MOISTURE RESISTANT
C	PAINTED EXPOSED UNDERSIDE STRUCTURE
D	2x2 LAY-IN ACOUSTICAL CEIL TILE SUSPENDED FROM STRUCT
E	2x4 LAY-IN ACOUSTICAL CEIL TILE SUSPENDED FROM STRUCT
F	2x4 LAY-IN ACOUSTICAL CEIL TILE SUSPENDED FROM STRUCT INFILLED W/ 1/2" VINYL FACED GYPSUM BOARD PANELS
G	LARGE FORMAT ACOUSTIC TILE W/ EDGE TRIM (ACT-01)
H	LARGE FORMAT ACOUSTIC TILE W/ EDGE TRIM (ACT-02)

CEILING SCHEDULE

	EMERGENCY EXIT LIGHT PER ELECTRICAL PLAN
	2X4 LED LIGHT WITH CASING LIGHT FIXTURE
	4X1 LED LIGHT WITH CASING LIGHT FIXTURE
	2X2 LED LIGHT WITH CASING LIGHT FIXTURE
	DECORATIVE LINEAR FIXTURE REFER TO FF&E PACKAGE
	WALL MOUNTED STRIP LIGHT WITH CASING
	SURFACE MOUNTED FLUORESCENT FIXTURE
	LINEAR SUPPLY DIFFUSER
	DECORATIVE ROUND LIGHT FIXTURE REFER TO FF&E PACKAGE
	DECORATIVE ROUND SUSPENDED LIGHT FIXTURE REFER TO FF&E PACKAGE
	RECESSED DOWNLIGHT
	SURFACE MOUNTED CAN DOWNLIGHT
	TRACK HEAD ON MONORAIL SYSTEM
	LINEAR LED WALL GRAZER
	DECORATIVE WALL MOUNTED SCONCE
	RECESSED DOWNLIGHT WITH EMERGENCY BACKUP
F	MANUAL PULL STATION
	WALL MOUNTED HORN
J	JUNCTION BOX
S	SPEAKER
T T	REMOTE THERMOSTAT
	SUPPLY AIR GRILLE
	RETURN AIR GRILLE
	EXHAUST FAN
	DOORBELL - (HEARING IMPAIRED GUESTROOM ENTRANCE DOOR ONLY) MOUNT AT 46" AFF TO CENTER OF BUTTON
DB D	DOORBELL LIGHT (HEARING IMPAIRED ROOMS ONLY)
S S	STROBE (HEARING IMPAIRED ROOMS ONLY)
HS HS	FIRE HORN/STROBE (IN HEARING IMPAIRED ROOMS ONLY)
H H	FIRE HORN
SD SD	SMOKE DETECTOR
	SIDE WALL SPRINKLER HEAD

CEIL DIMENSION LEGEND



CENTER FIXTURE IN SPACE
- CENTER THE FIXTURE IN SPACE IDENTIFIED BY DIAGONAL LINE.

ALIGN FIXTURES
- ALIGN FIXTURES ALONG CENTERLINE SHOWN

CENTER OVER
- CENTER FIXTURE OVER CENTERLINE OF ADJACENT CONSTRUCTION

PERMIT SET
07-11-2024

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07-11-2024

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A2.7



1 A2.8 3RD FLOOR REFLECTED CEILING PLAN

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

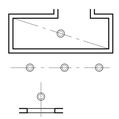
CEILING SCHEDULE

	CEILING HEIGHT (9'-6") / CEILING FINISH (A)
A	PRIMED & PAINTED GYPSUM BOARD
B	PRIMED & PAINTED GYPSUM BOARD - MOISTURE RESISTANT
C	PAINTED EXPOSED UNDERSIDE STRUCTURE
D	2x2 LAY-IN ACOUSTICAL CEIL TILE SUSPENDED FROM STRUCT
E	2x4 LAY-IN ACOUSTICAL CEIL TILE SUSPENDED FROM STRUCT
F	2x4 LAY-IN ACOUSTICAL CEIL TILE SUSPENDED FROM STRUCT INFILLED W/ 1/2" VINYL FACED GYPSUM BOARD PANELS
G	LARGE FORMAT ACOUSTIC TILE W/ EDGE TRIM (ACT-01)
H	LARGE FORMAT ACOUSTIC TILE W/ EDGE TRIM (ACT-02)

CEILING SCHEDULE

	EMERGENCY EXIT LIGHT PER ELECTRICAL PLAN
	2X4 LED LIGHT WITH CASING LIGHT FIXTURE
	4X1 LED LIGHT WITH CASING LIGHT FIXTURE
	2X2 LED LIGHT WITH CASING LIGHT FIXTURE
	DECORATIVE LINEAR FIXTURE REFER TO FF&E PACKAGE
	WALL MOUNTED STRIP LIGHT WITH CASING
	SURFACE MOUNTED FLUORESCENT FIXTURE
	LINEAR SUPPLY DIFFUSER
	DECORATIVE ROUND LIGHT FIXTURE REFER TO FF&E PACKAGE
	DECORATIVE ROUND SUSPENDED LIGHT FIXTURE REFER TO FF&E PACKAGE
	RECESSED DOWNLIGHT
	SURFACE MOUNTED CAN DOWNLIGHT
	TRACK HEAD ON MONORAIL SYSTEM
	LINEAR LED WALL GRAZER
	DECORATIVE WALL MOUNTED SCONCE
	RECESSED DOWNLIGHT WITH EMERGENCY BACKUP
F	MANUAL PULL STATION
	WALL MOUNTED HORN
J	JUNCTION BOX
S	SPEAKER
T T	REMOTE THERMOSTAT
	SUPPLY AIR GRILLE
	RETURN AIR GRILLE
	EXHAUST FAN
	DOORBELL - (HEARING IMPAIRED GUESTROOM ENTRANCE DOOR ONLY) MOUNT AT 46" AFF TO CENTER OF BUTTON
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S S	STROBE (HEARING IMPAIRED ROOMS ONLY)
HS HS	FIRE HORN/STROBE (IN HEARING IMPAIRED ROOMS ONLY)
H H	FIRE HORN
SD SD	SMOKE DETECTOR
	SIDE WALL SPRINKLER HEAD

CEIL DIMENSION LEGEND



CENTER FIXTURE IN SPACE
- CENTER THE FIXTURE IN SPACE IDENTIFIED BY DIAGONAL LINE.

ALIGN FIXTURES
- ALIGN FIXTURES ALONG CENTERLINE SHOWN

CENTER OVER
- CENTER FIXTURE OVER CENTERLINE OF ADJACENT CONSTRUCTION

PERMIT SET
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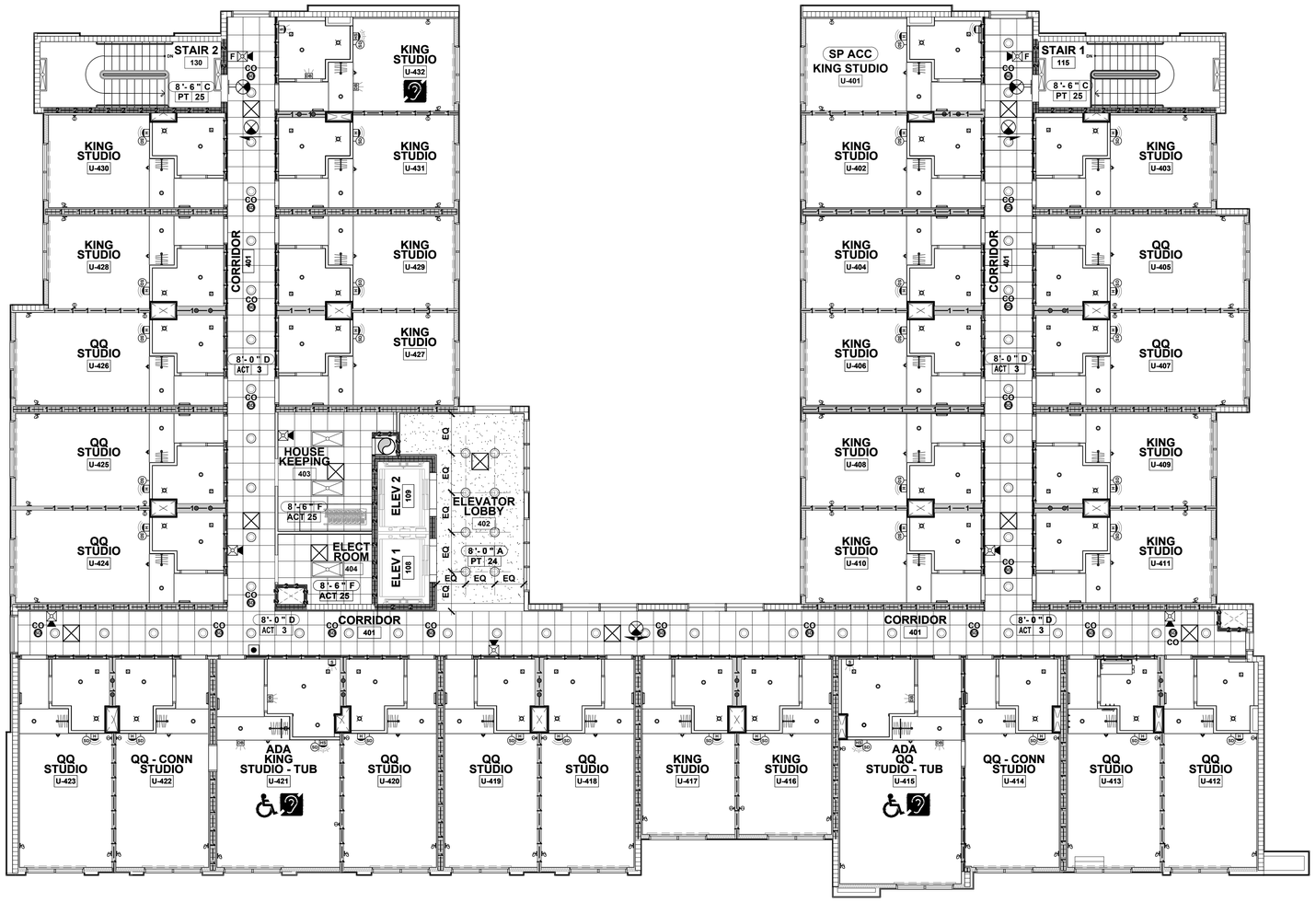
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STUART, FLORIDA

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22039

DATE
07-11-2024

SHEET
A2.8



1 A2.9 4TH FLOOR REFLECTED CEILING PLAN

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

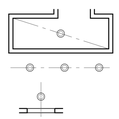
CEILING SCHEDULE

	CEILING HEIGHT / CEILING FINISH (e.g. 9'-6" A)
A	PRIMED & PAINTED GYPSUM BOARD
B	PRIMED & PAINTED GYPSUM BOARD - MOISTURE RESISTANT
C	PAINTED EXPOSED UNDERSIDE STRUCTURE
D	2x2 LAY-IN ACOUSTICAL CEIL TILE SUSPENDED FROM STRUCT
E	2x4 LAY-IN ACOUSTICAL CEIL TILE SUSPENDED FROM STRUCT
F	2x4 LAY-IN ACOUSTICAL CEIL TILE SUSPENDED FROM STRUCT INFILLED W/ 1/2" VINYL FACED GYPSUM BOARD PANELS
G	LARGE FORMAT ACOUSTIC TILE W/ EDGE TRIM (ACT-01)
H	LARGE FORMAT ACOUSTIC TILE W/ EDGE TRIM (ACT-02)

CEILING SCHEDULE

	EMERGENCY EXIT LIGHT PER ELECTRICAL PLAN
	2X4 LED LIGHT WITH CASING LIGHT FIXTURE
	4X1 LED LIGHT WITH CASING LIGHT FIXTURE
	2X2 LED LIGHT WITH CASING LIGHT FIXTURE
	DECORATIVE LINEAR FIXTURE REFER TO FF&E PACKAGE
	WALL MOUNTED STRIP LIGHT WITH CASING
	SURFACE MOUNTED FLUORESCENT FIXTURE
	LINEAR SUPPLY DIFFUSER
	DECORATIVE ROUND LIGHT FIXTURE REFER TO FF&E PACKAGE
	DECORATIVE ROUND SUSPENDED LIGHT FIXTURE REFER TO FF&E PACKAGE
	RECESSED DOWNLIGHT
	SURFACE MOUNTED CAN DOWNLIGHT
	TRACK HEAD ON MONORAIL SYSTEM
	LINEAR LED WALL GRAZER
	DECORATIVE WALL MOUNTED SCONCE
	RECESSED DOWNLIGHT WITH EMERGENCY BACKUP
F	MANUAL PULL STATION
	WALL MOUNTED HORN
J	JUNCTION BOX
S	SPEAKER
T T	REMOTE THERMOSTAT
	SUPPLY AIR GRILLE
	RETURN AIR GRILLE
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S S	STROBE (HEARING IMPAIRED ROOMS ONLY)
HS HS	FIRE HORN/STROBE (IN HEARING IMPAIRED ROOMS ONLY)
H H	FIRE HORN
SD SD	SMOKE DETECTOR
	SIDE WALL SPRINKLER HEAD

CEIL DIMENSION LEGEND



CENTER FIXTURE IN SPACE
- CENTER THE FIXTURE IN SPACE IDENTIFIED BY DIAGONAL LINE.

ALIGN FIXTURES
- ALIGN FIXTURES ALONG CENTERLINE SHOWN

CENTER OVER
- CENTER FIXTURE OVER CENTERLINE OF ADJACENT CONSTRUCTION

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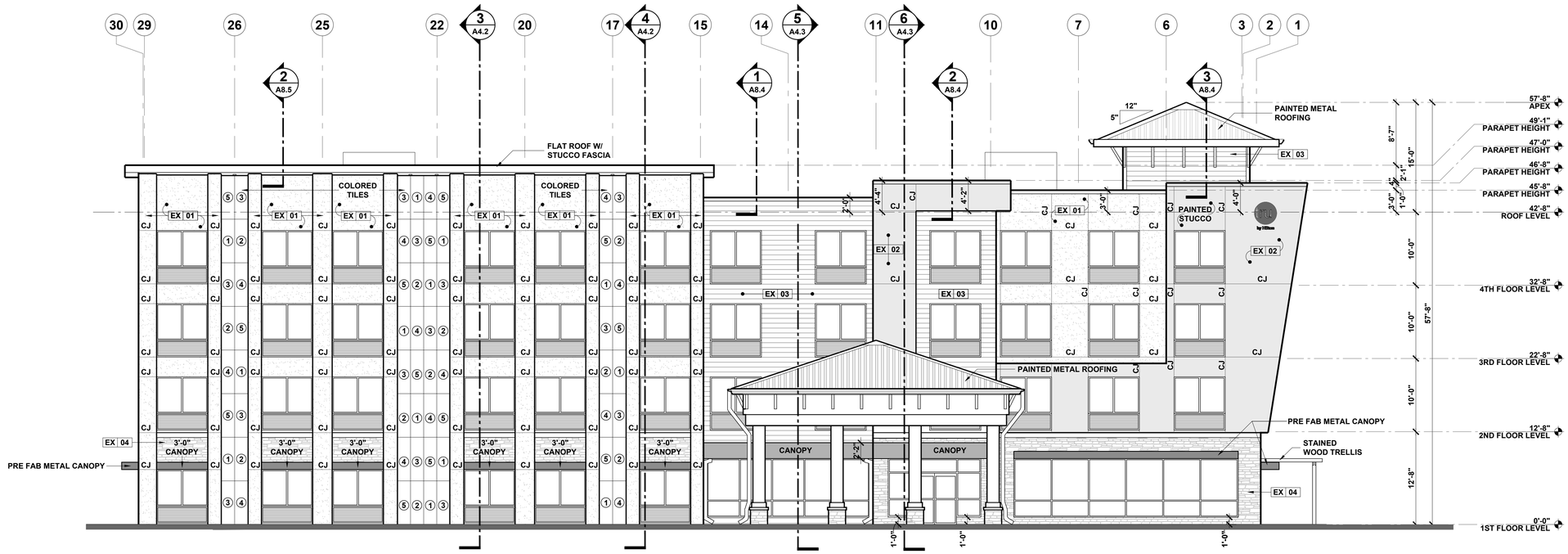
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A2.9



A A3.1 **SOUTH SIDE ELEVATION**

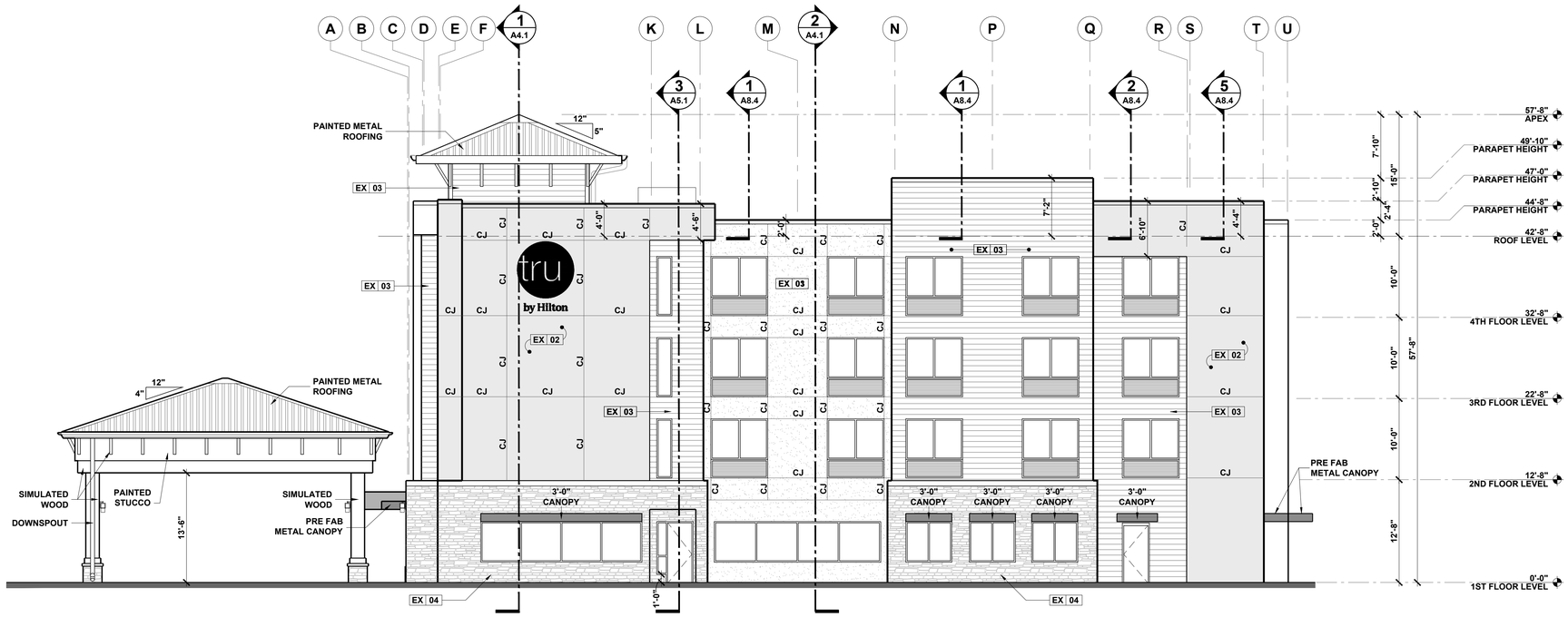
SCALE: 1/8 " = 1'-0"

FINISH SCHEDULE

SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION
EX 01	LIGHT TEXTURED STUCCO FINISH WITH REVEALS	①	PANTONE PMS PROCESS YELLOW C
EX 02	DARK PAINTED STUCCO FINISH WITH REVEALS	②	PANTONE PMS PROCESS CYAN
EX 03	SIMULATED WOOD LAP SIDING FINISH	③	PANTONE PMS 317C
EX 04	STONE VENEER	④	PANTONE PMS 2955C
		⑤	PANTONE PMS 2685C

ELEVATION NOTES

1) ALL PRE-FABRICATED CANOPY PROVISIONS TO BE 3'-0" WIDTH. REFER TO PLAN FOR LENGTH.
2) ALL SOFFIT AND FASCIA PROVISIONS ARE TO BE NON-ALUMINUM.
3) GROUND FLOOR GLAZING (DOOR AND WINDOWS) TO BE CLEAR/TRANSPARENT WITH MINIMUM VISIBLE LIGHT TRANSMISSION (VLT) OF 50%.
4) ALL ROOF RTU MECHANICAL EQUIPMENTS ARE LOCATED WHERE IT CAN BE COVERED WITH A PARAPET WITH A MINIMUM HEIGHT OF 30" PLUS THE RIGID INSULATION. REFER TO ROOF PLAN FOR ACTUAL LOCATION.
5) SIGNAGE - REFER TO TRU BY HILTON EXTERIOR SIGNAGE SPECIFICATIONS
6) KYNAR FINISH ALUMINUM COPING/ GRAVEL STOP SYSTEM -- COLOR TO MATCH ADJACENT MATERIAL
7) EXPANSION JOINT @ FLOOR LINE W/ BACKER ROD AND SEALANT
8) BUILDING HEIGHT DIMENSIONS ARE BASED ON TOP OF COPING CONSTRUCTION
9) STUCCO TO BE HIGH IMPACT MESH ASSEMBLY FOR LOWER 8'-0" OF WALL AREAS AT GRADE: BASIS OF DESIGN - DRYVIT "STANDARD" MESH OVER "PANZER 20 OZ." HIGH IMPACT MESH
10) LOUVERS SHALL BE KYNAR PAINTED ALUMINUM WITH STORM PROOF AND DRAINABLE BLADES. COLOR TO COORDINATE WITH EXTERIOR COLOR SCHEME. VENTS AND LOUVERS TO MATCH THE ADJACENT STUCCO COLOR.



B A3.1 **EAST SIDE ELEVATION**

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

PERMIT SET
07-11-2024

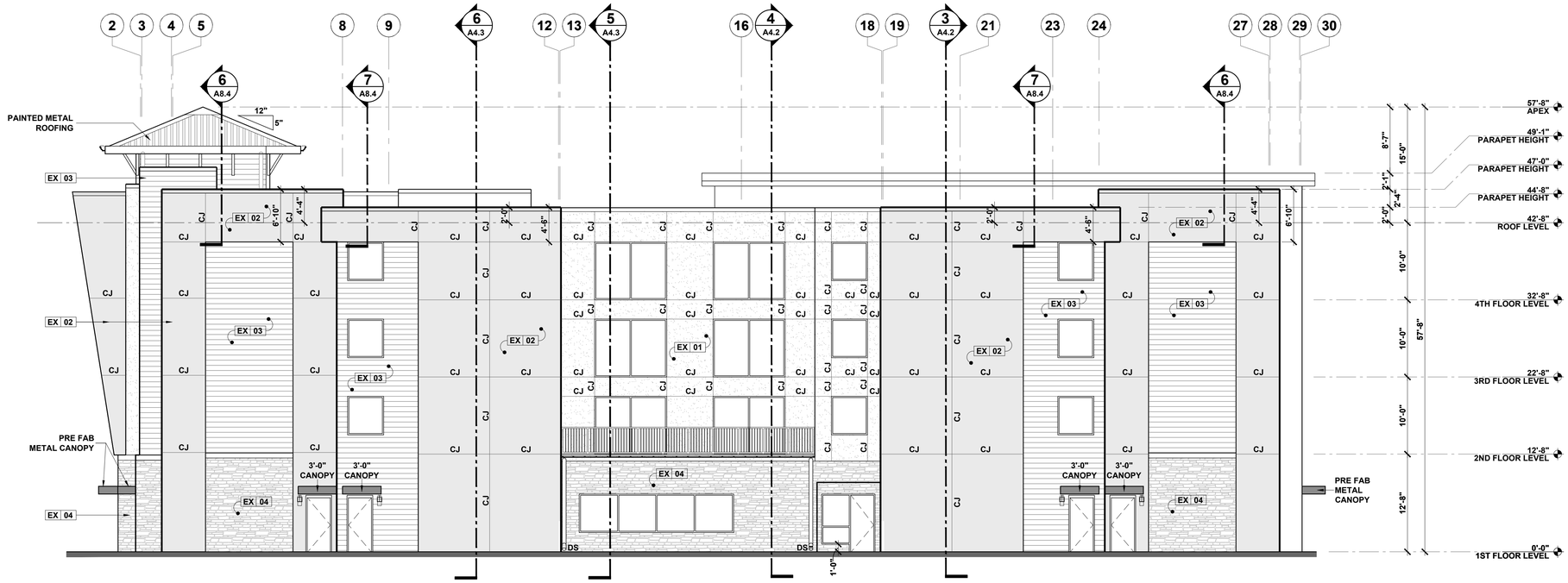
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STUART, FLORIDA

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SHEET A3.1



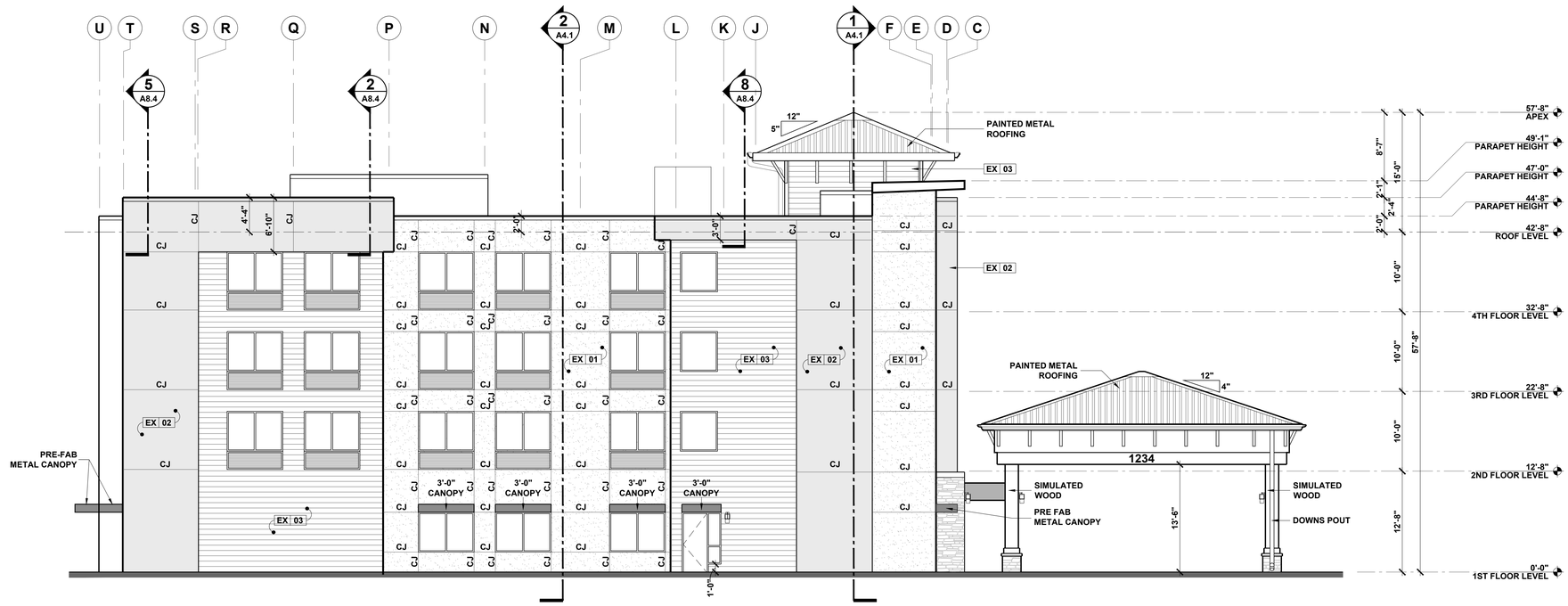
C A3.2 NORTH SIDE ELEVATION
SCALE: 1/8 " = 1'-0"

FINISH SCHEDULE

SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION
EX 01	LIGHT TEXTURED STUCCO FINISH WITH REVEALS	①	PANTONE PMS PROCESS YELLOW C
EX 02	DARK PAINTED STUCCO FINISH WITH REVEALS	②	PANTONE PMS PROCESS CYAN
EX 03	SIMULATED WOOD LAP SIDING FINISH	③	PANTONE PMS 317C
EX 04	STONE VENEER	④	PANTONE PMS 2955C
		⑤	PANTONE PMS 2685C

ELEVATION NOTES

1) ALL PRE-FABRICATED CANOPY PROVISIONS TO BE 3'-0" WIDTH. REFER TO PLAN FOR LENGTH.
2) ALL SOFFIT AND FASCIA PROVISIONS ARE TO BE NON-ALUMINUM.
3) GROUND FLOOR GLAZING (DOOR AND WINDOWS) TO BE CLEAR/TRANSPARENT WITH MINIMUM VISIBLE LIGHT TRANSMISSION (VLT) OF 50%.
4) ALL ROOF RTU MECHANICAL EQUIPMENTS ARE LOCATED WHERE IT CAN BE COVERED WITH A PARAPET WITH A MINIMUM HEIGHT OF 30" PLUS THE RIGID INSULATION. REFER TO ROOF PLAN FOR ACTUAL LOCATION.
5) SIGNAGE - REFER TO TRU BY HILTON EXTERIOR SIGNAGE SPECIFICATIONS
6) KYNAR FINISH ALUMINUM COPING/ GRAVEL STOP SYSTEM -- COLOR TO MATCH ADJACENT MATERIAL
7) EXPANSION JOINT @ FLOOR LINE W/ BACKER ROD AND SEALANT
8) BUILDING HEIGHT DIMENSIONS ARE BASED ON TOP OF COPING CONSTRUCTION
9) STUCCO TO BE HIGH IMPACT MESH ASSEMBLY FOR LOWER 8'-0" OF WALL AREAS AT GRADE: BASIS OF DESIGN - DRYVIT "STANDARD" MESH OVER "PANZER 20 OZ." HIGH IMPACT MESH
10) LOUVERS SHALL BE KYNAR PAINTED ALUMINUM WITH STORM PROOF AND DRAINABLE BLADES. COLOR TO COORDINATE WITH EXTERIOR COLOR SCHEME. VENTS AND LOUVERS TO MATCH THE ADJACENT STUCCO COLOR.



D A3.2 WEST SIDE ELEVATION
SCALE: 1/8 " = 1'-0"

PERMIT SET
07-11-2024

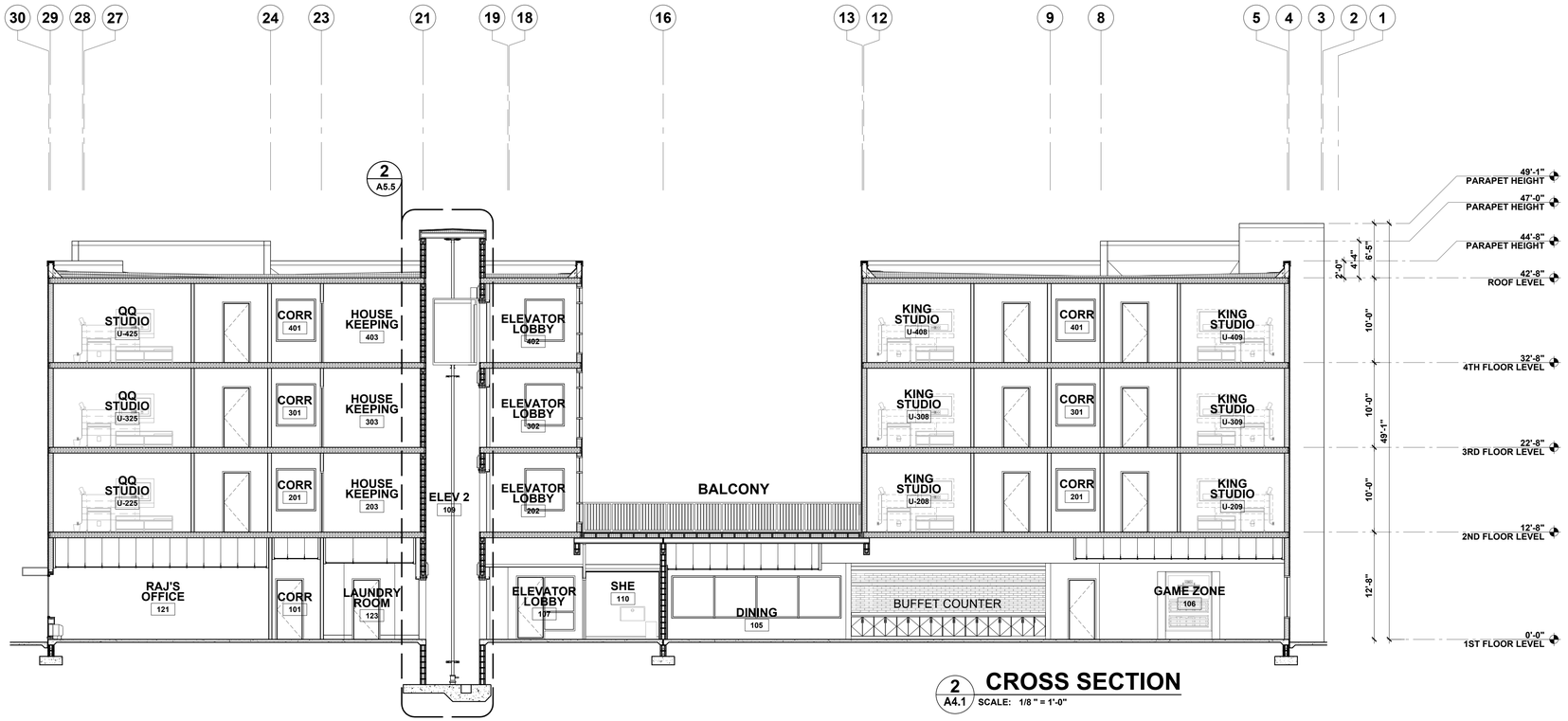
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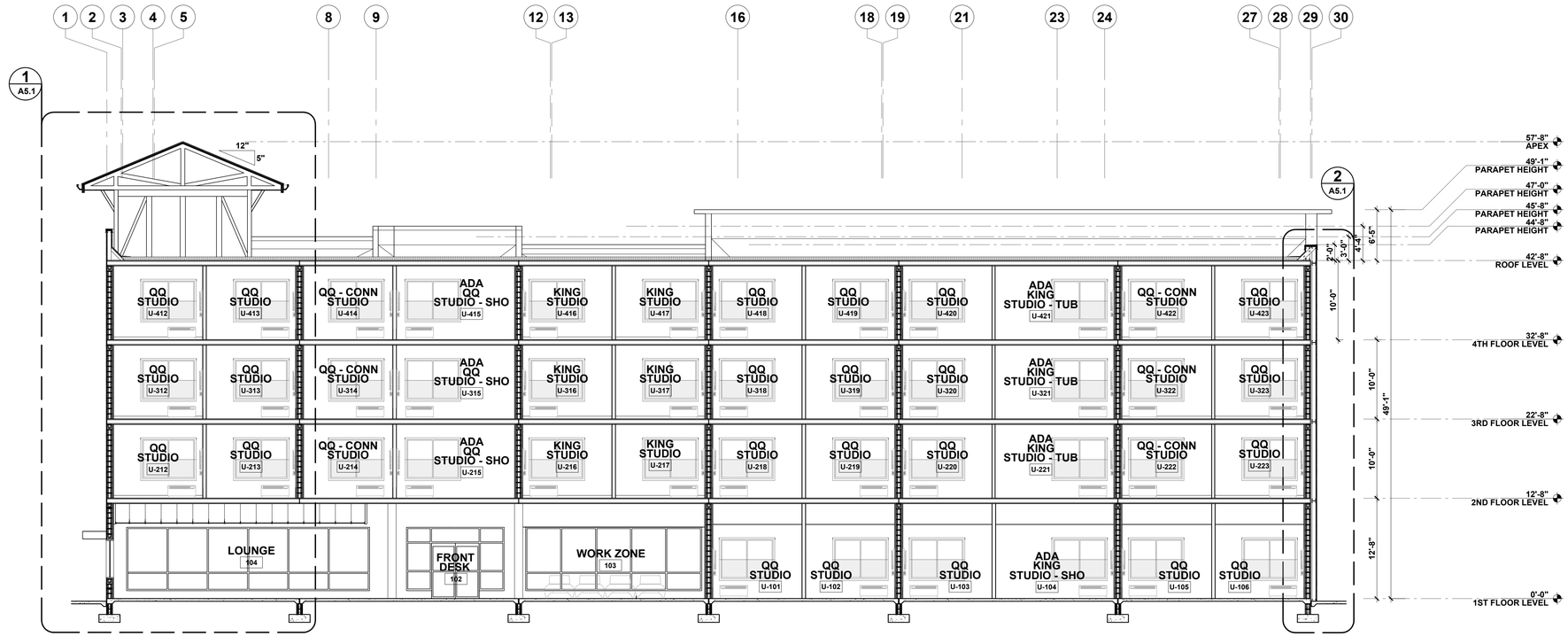
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DATE 07-11-2024
SHEET A3.2



2 A4.1 **CROSS SECTION** SCALE: 1/8 " = 1'-0"



1 A4.1 **LONGITUDINAL SECTION** SCALE: 1/8 " = 1'-0"

PERMIT SET
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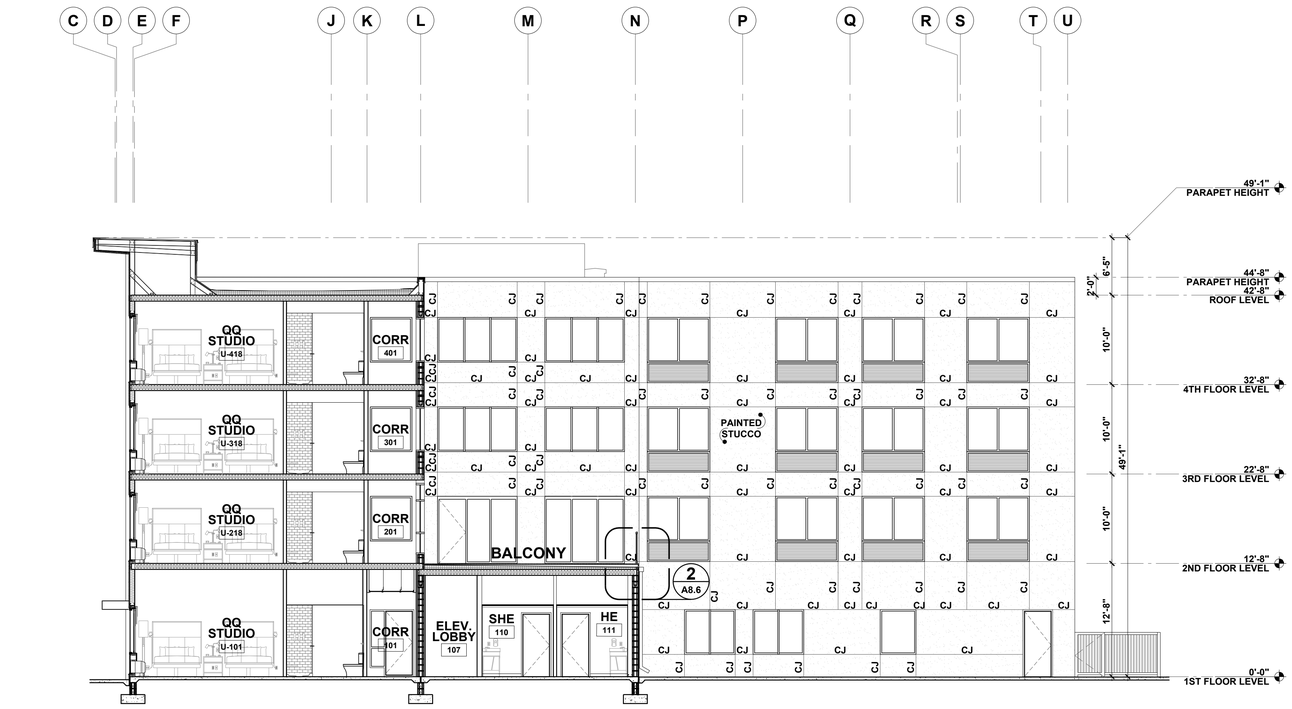
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STUART, FLORIDA

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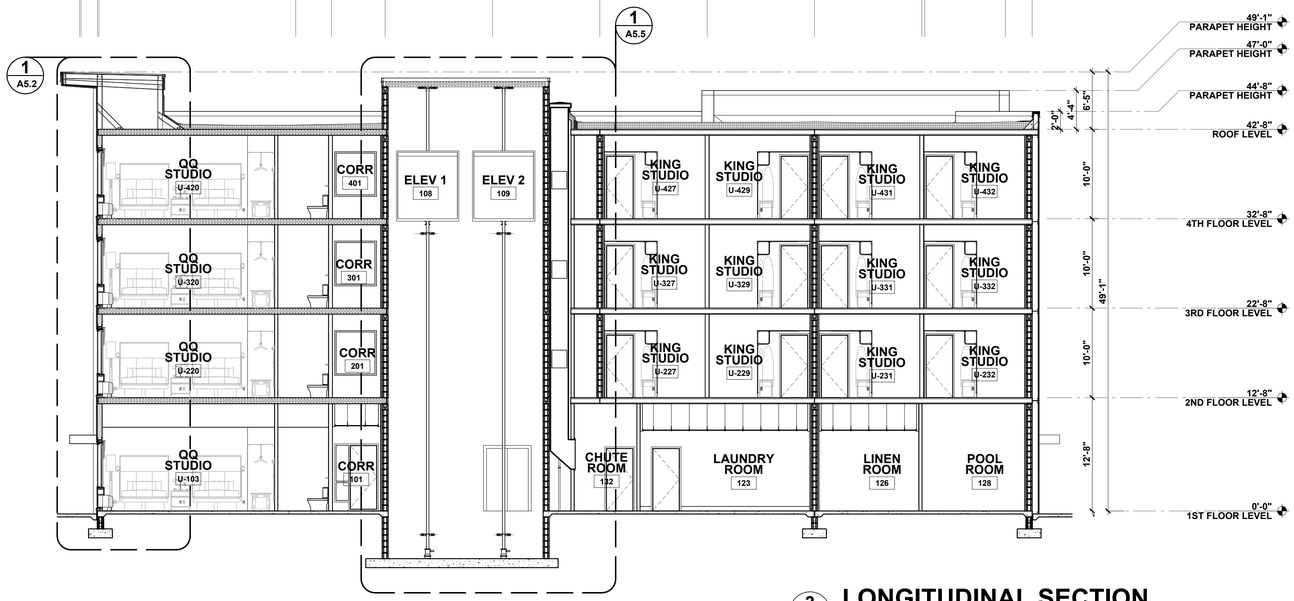
JOB NO.
22039

DATE
07-11-2024

SHEET
A4.1



4 A4.2 **CROSS SECTION**
SCALE: 1/8 " = 1'-0"



3 A4.2 **LONGITUDINAL SECTION**
SCALE: 1/8 " = 1'-0"

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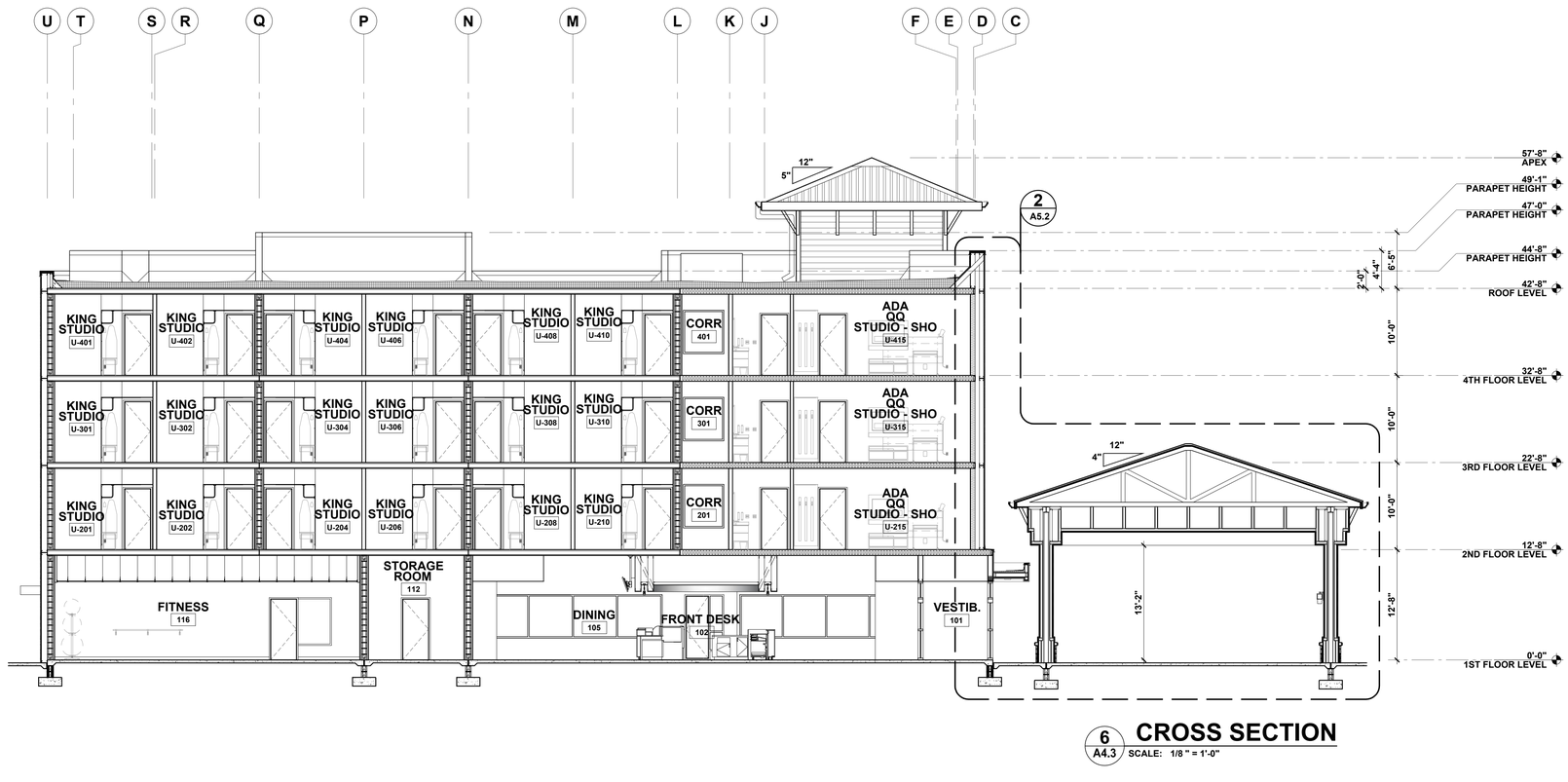
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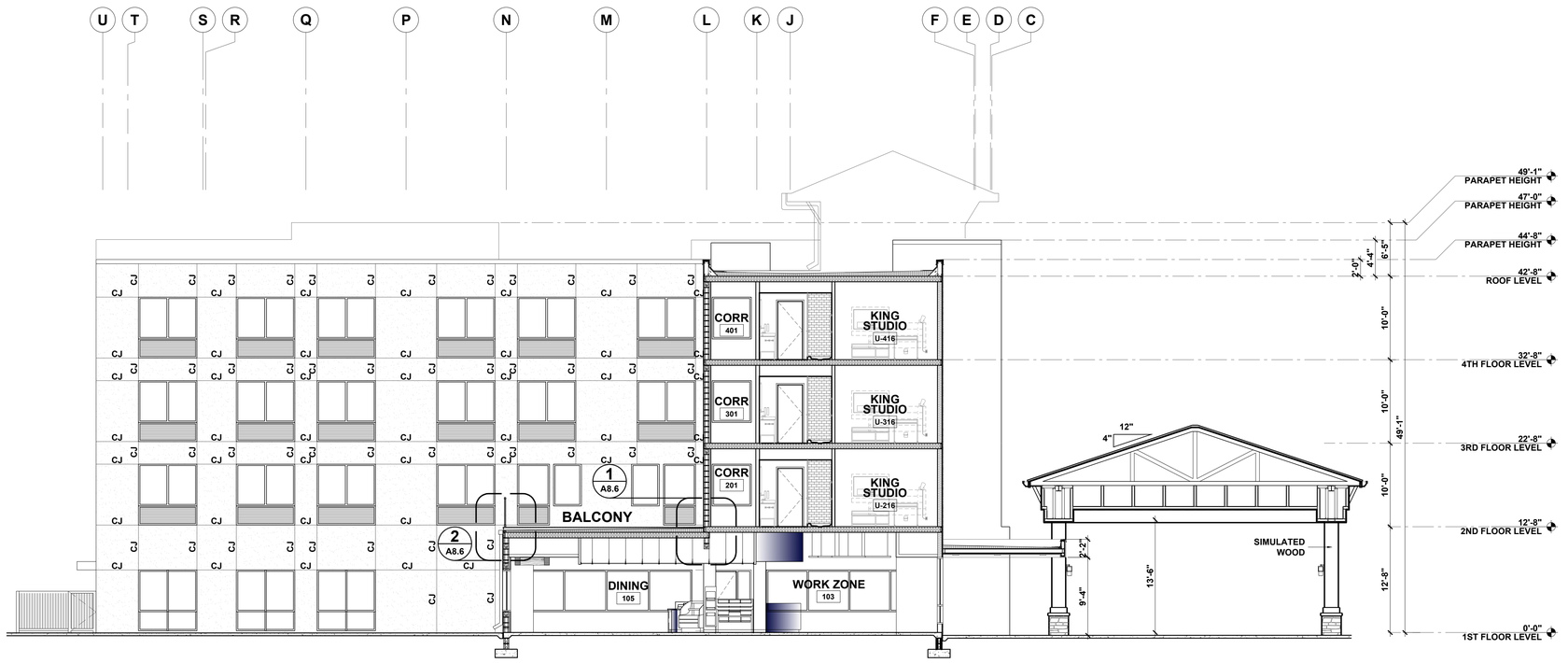
DATE
07-11-2024

SHEET
A4.2



6 A4.3 **CROSS SECTION**

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



5 A4.3 **LONGITUDINAL SECTION**

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

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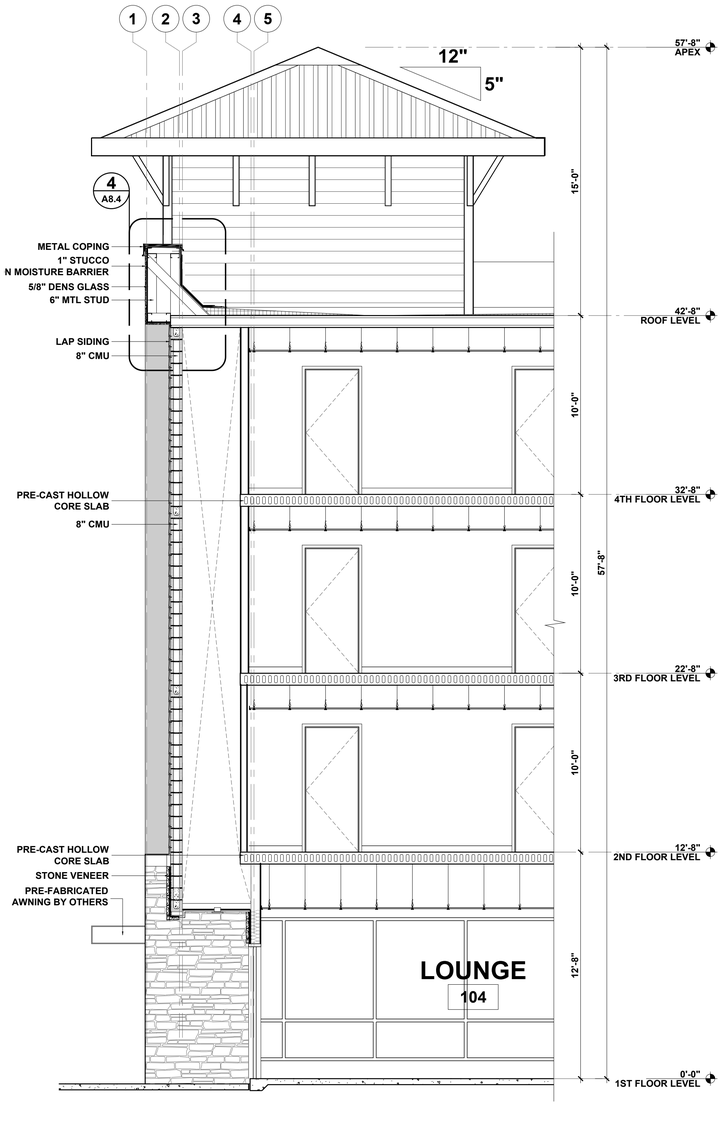
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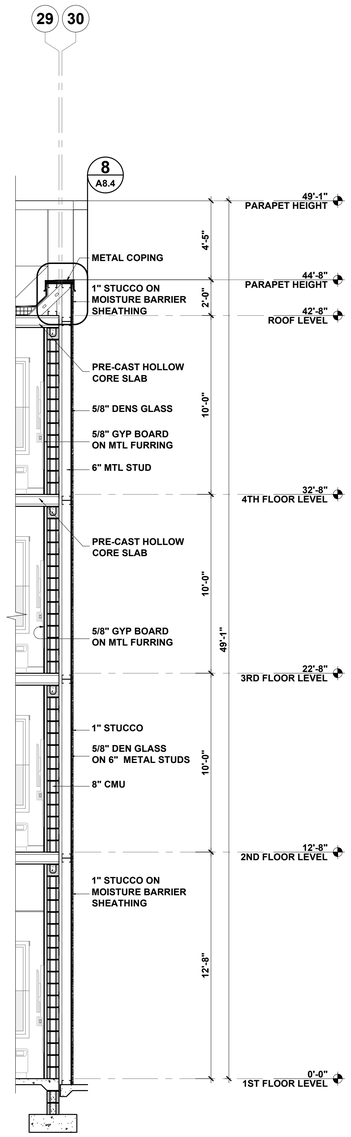
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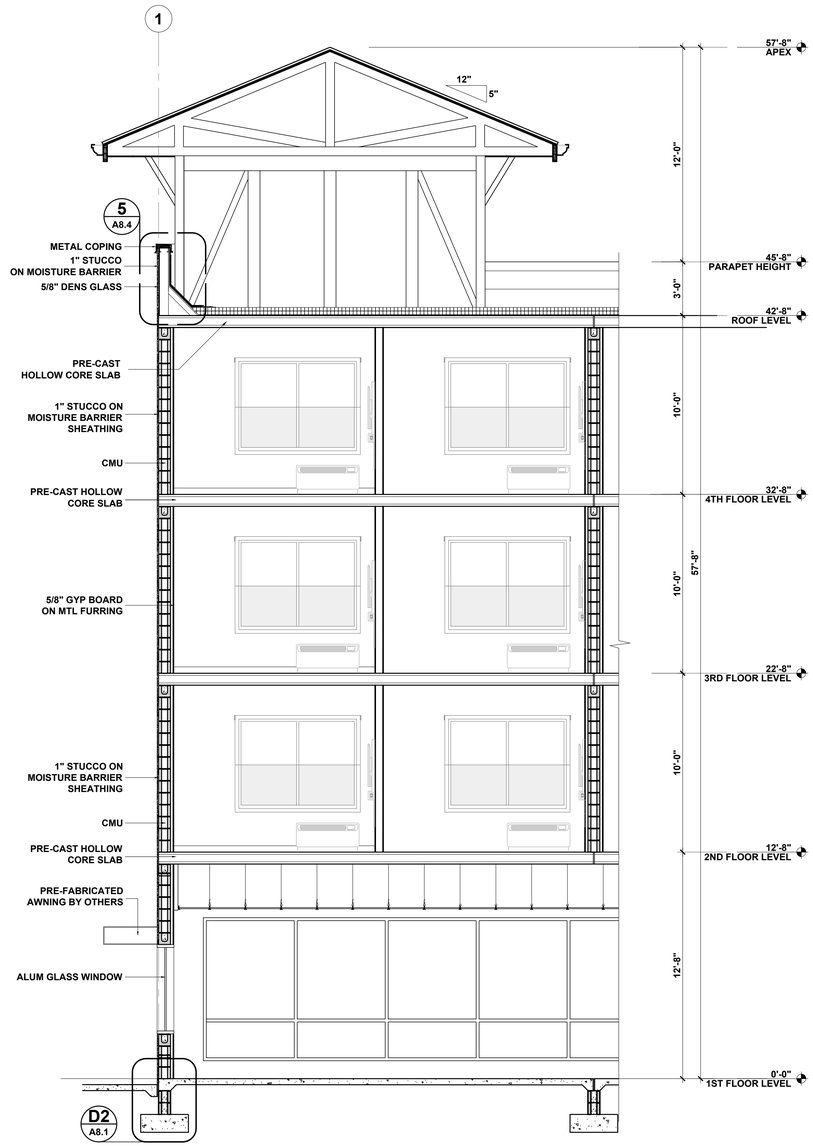
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3 A5.1 **WALL SECTION**
SCALE: 1/4 " = 1'-0"



2 A5.1 **WALL SECTION**
SCALE: 1/4 " = 1'-0"



1 A5.1 **WALL SECTION**
SCALE: 1/4 " = 1'-0"

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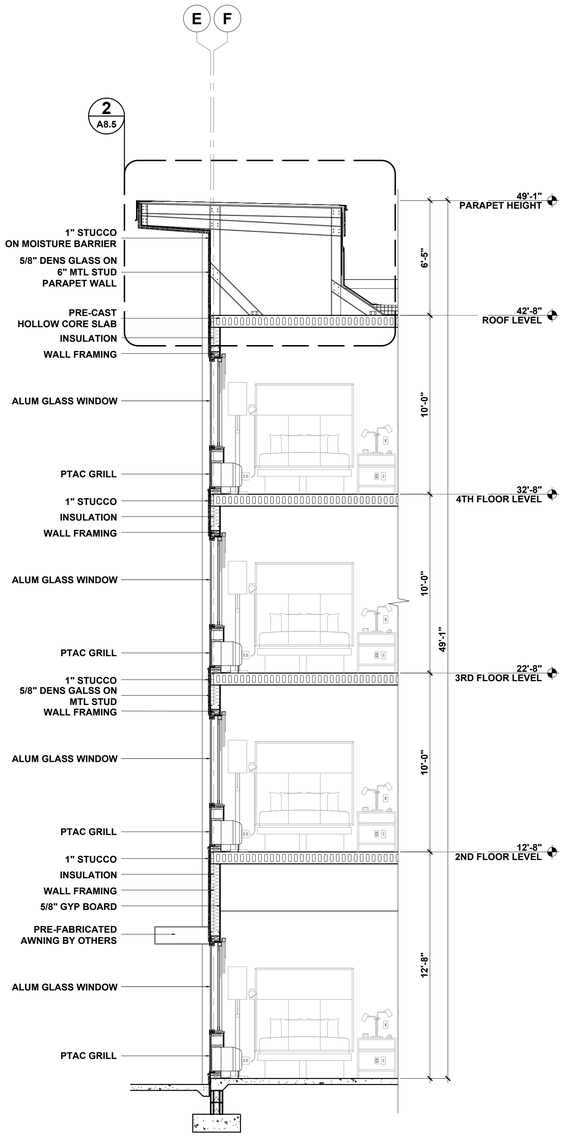
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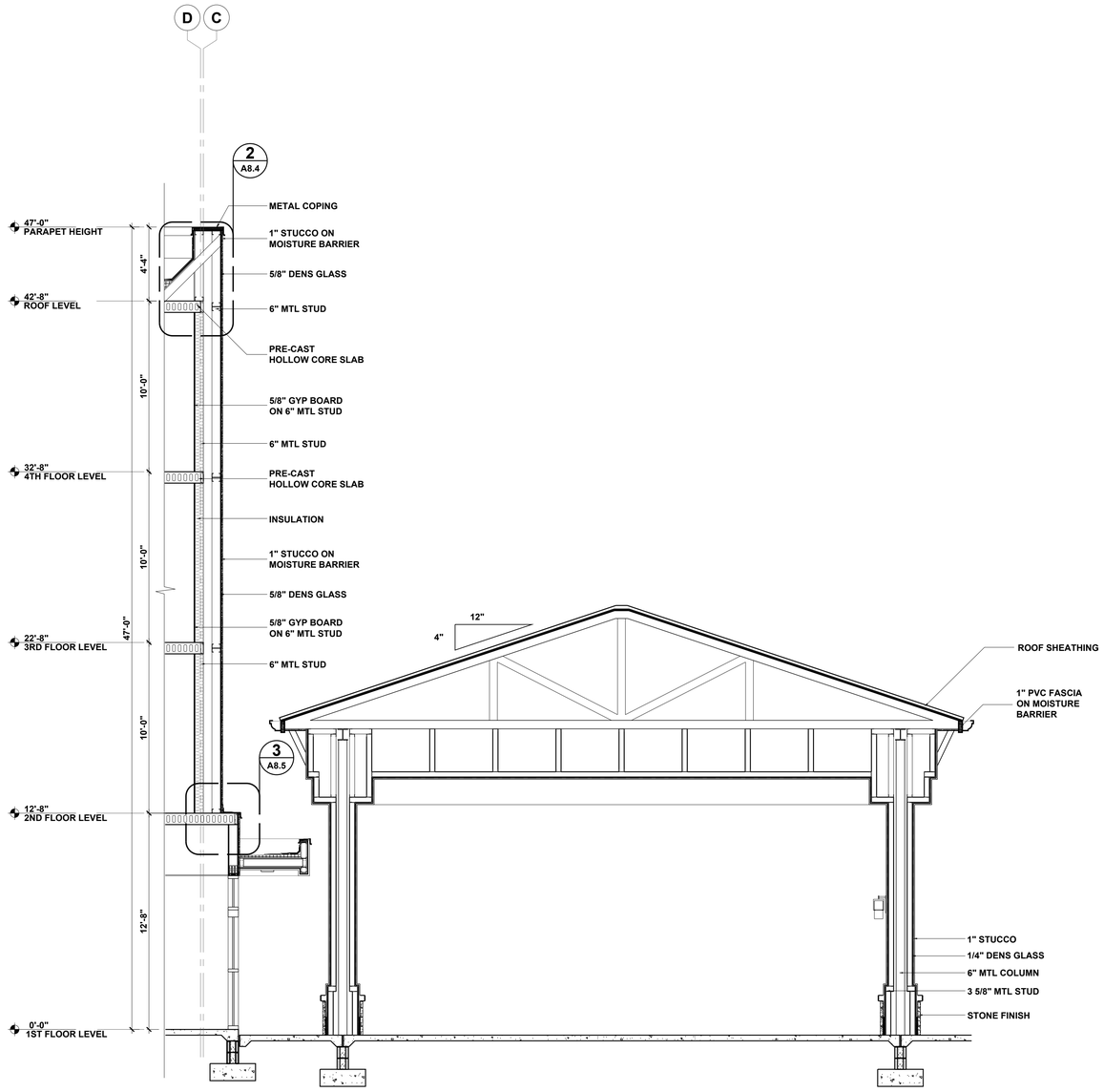
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SHEET
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1 A5.2 WALL SECTION

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



2 A5.2 WALL SECTION

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

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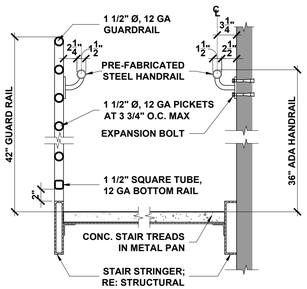
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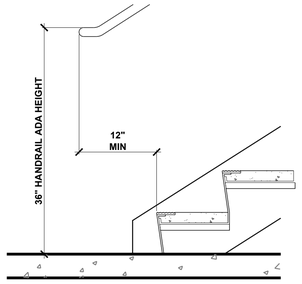
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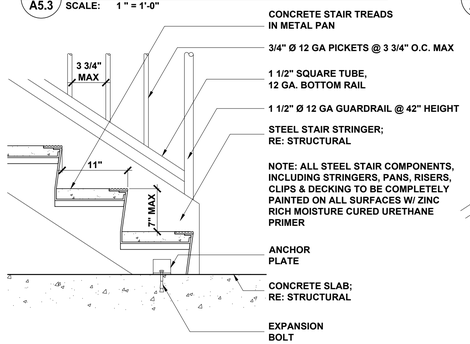
8 A5.3 STAIR @ SECTION DETAIL

SCALE: 1 " = 1'-0"



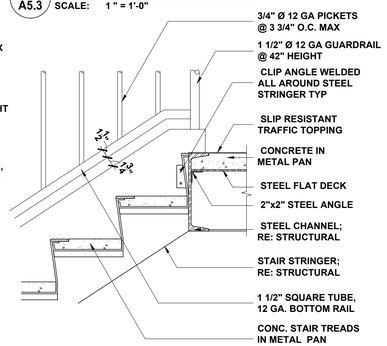
7 A5.3 HANDRAIL REQ

SCALE: 1 " = 1'-0"



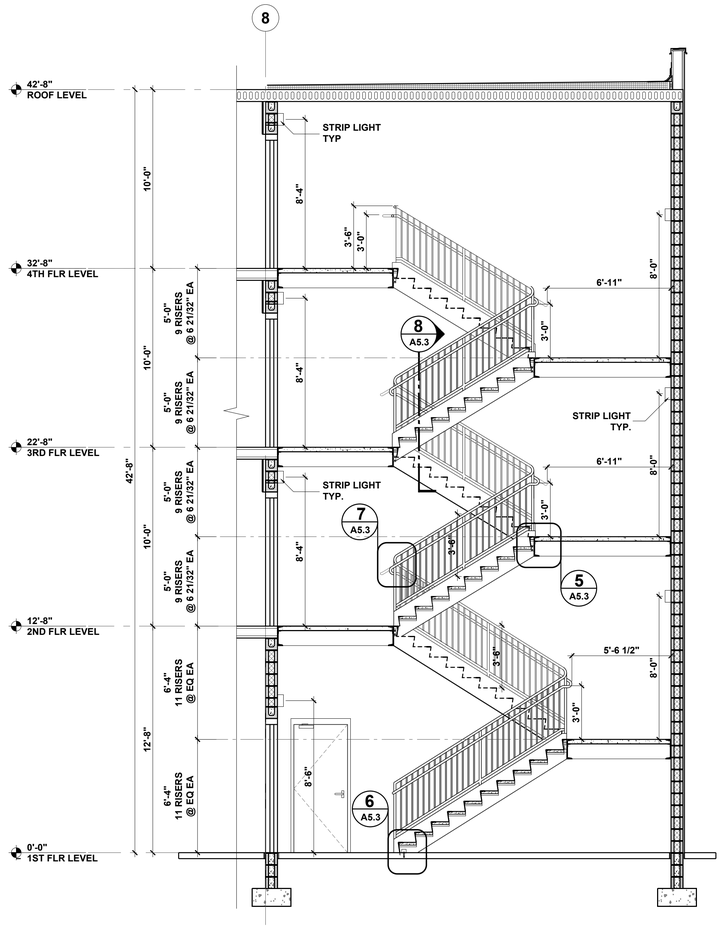
6 A5.3 STAIR @ GROUND DETAIL

SCALE: 1 " = 1'-0"



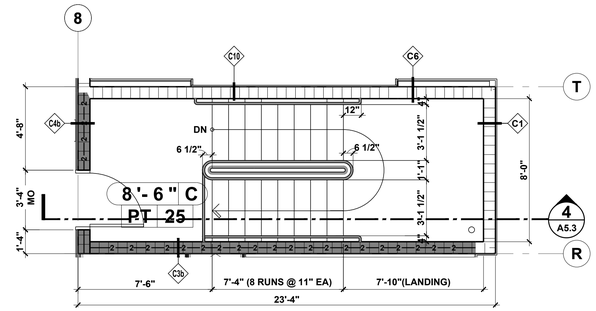
5 A5.3 STAIR @ LANDING DETAIL

SCALE: 1 " = 1'-0"



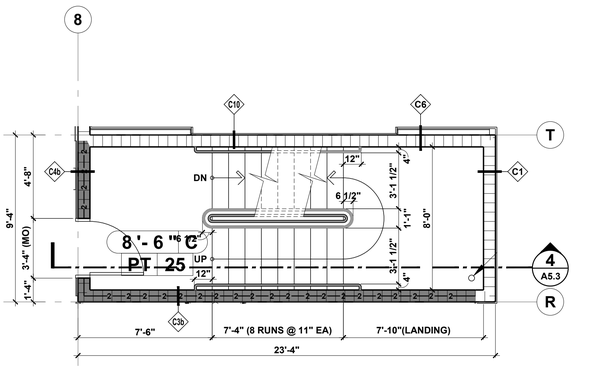
4 A5.3 STAIR 1 & 2 - SECTION

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



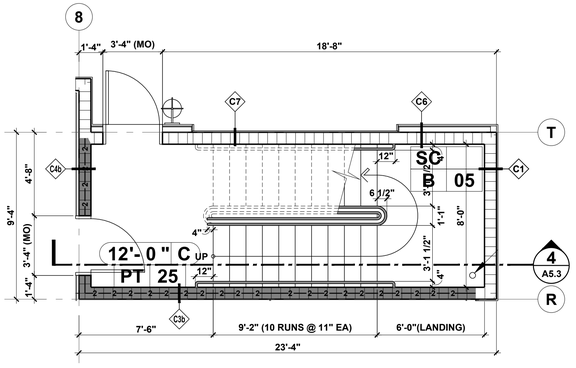
3 A5.3 STAIR 1 & 2 - 4TH FLOOR PLAN

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



2 A5.3 STAIR 1 & 2 - TYP 2ND-3TH FLRS

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



1 A5.3 STAIR 1 & 2 - 1ST FLOOR PLAN

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

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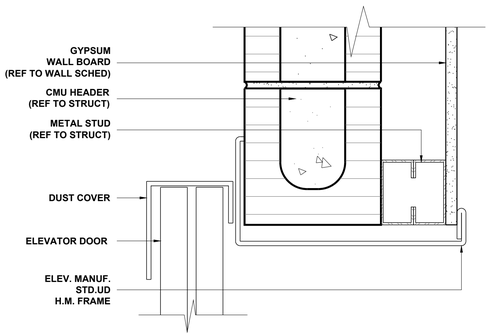
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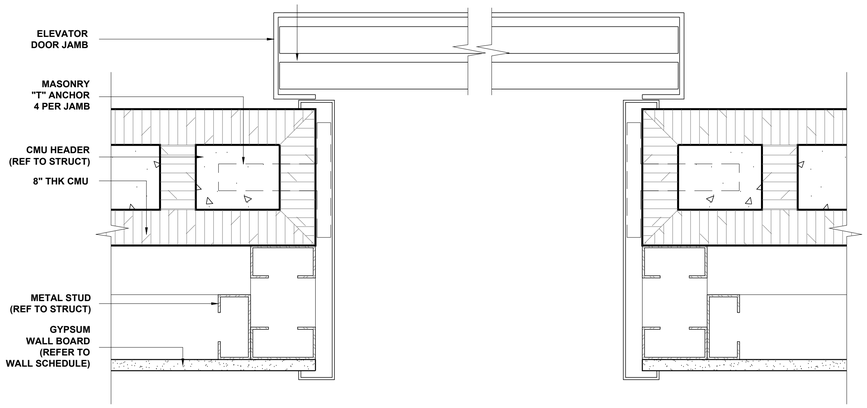
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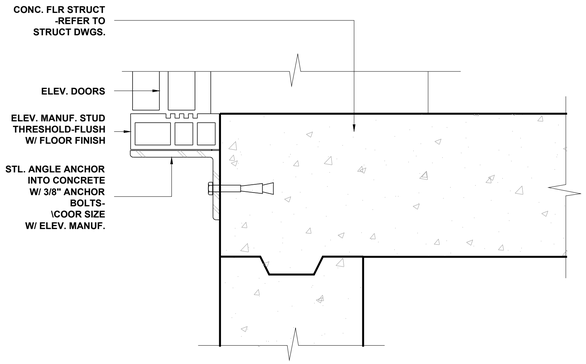
5 A5.4 ELEVATOR HEAD DETAIL

SCALE: 3 " = 1'-0"



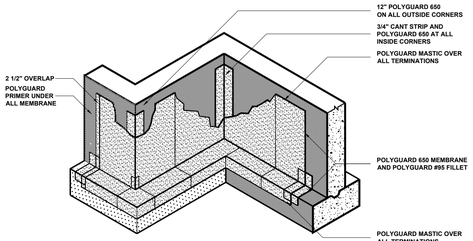
4 A5.4 ELEVATOR JAMB DETAIL

SCALE: 3 " = 1'-0"



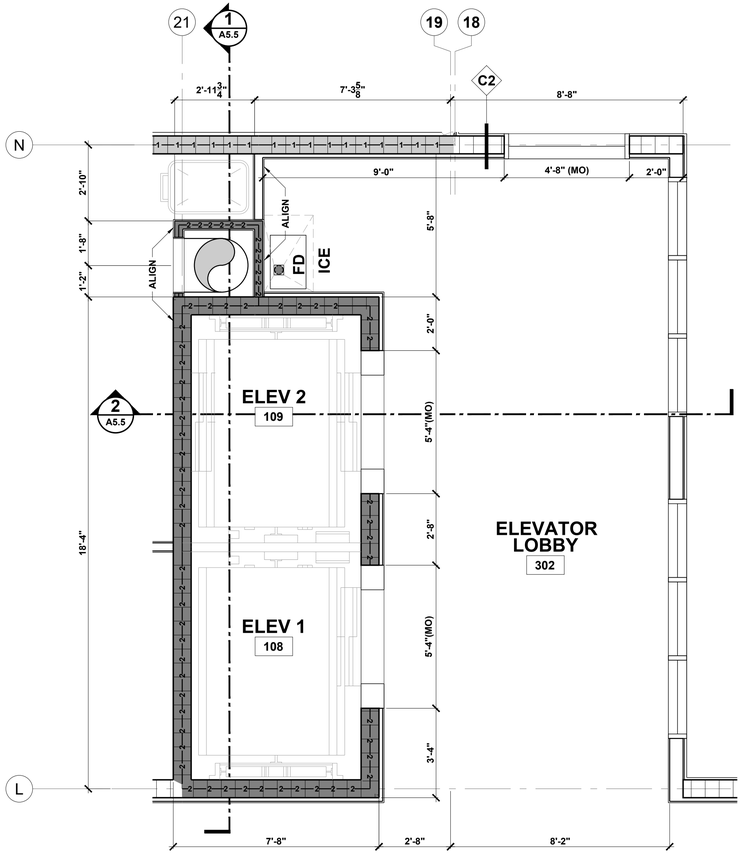
3 A5.4 ELEVATOR SILL DETAIL

SCALE: 3 " = 1'-0"



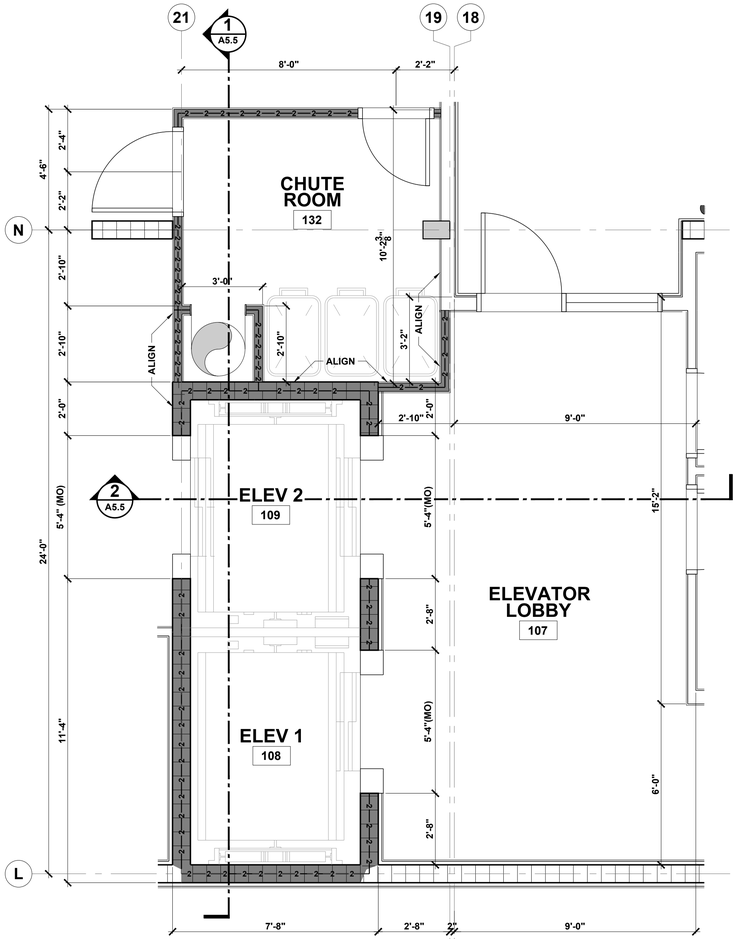
6 A5.4 WATERPROOFING DETAIL

SCALE: NTS " = 1'-0"



2 A5.4 TYP ENLARGED 2ND - 4TH FLOORS ELEVATOR PLAN

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



1 A5.4 ENLARGED ELEVATOR PLAN AT 1ST FLOOR

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

GENERAL REQUIREMENTS

1. PROPERLY FRAMED AND ENCLOSED LEGAL HOISTWAY INCLUDING VENTING AS REQUIRED BY THE GOVERNING CODE AND HOISTING BEAM AS SHOWN.
2. ADEQUATE SUPPORT FOR GUIDE RAIL FASTENINGS NOT TO EXCEED THE VERTICAL SPACING SHOWN ON THE RAIL BRACKET CHART. SEPARATOR BEAMS WHERE REQUIRED.
3. PROVISIONS FOR GUARDING AND PROTECTING THE HOISTWAY DURING CONSTRUCTION TO BE ERECTED, MAINTAINED, AND REMOVED BY OTHERS.
4. ALL CUTTING OR PATCHING TO ACCOMMODATE ELEVATOR INSTALLATION.
5. HOISTWAY WALLS ARE TO BE DESIGNED AND CONSTRUCTED IN ACCORDANCE W/ THE REQUIRED FIRE RATING (2 HOUR), INCLUDING WHERE PENETRATED BY ELEVATOR FIXTURE BOXES, AND TO INCLUDE ADEQUATE FASTENINGS TO HOISTWAY ASSEMBLIES. A HORIZONTAL SUPPORT MUST BE PROVIDED 12" ABOVE THE CLEAR OPENING AT EACH LANDING TO SUPPORT THE DOOR FRAME ASSEMBLY. THE ENTRANCE WALL AND THE FINISHED FLOOR MUST NOT BE CONSTRUCTED UNTIL THE FRAMES AND SILLS ARE SET.
6. FOR PRECAST OR POURED CONCRETE WALLS, PROVIDE THE ROUGH OPENING FOR HOISTWAY AS SHOWN ON LAYOUT, AND ANY GROUTING AROUND ENTRANCE FRAMES IF REQUIRED.
7. WHERE HOISTWAY CONTAINS ELEVATOR CONTROL EQUIPMENT AND ARE PROTECTED WITH AUTOMATIC SPRINKLER SYSTEM A MEANS SHALL BE INSTALLED IN ACCORDANCE WITH NFPA 72, SECTION 21.4 TO DISCONNECT AUTOMATICALLY THE MAIN LINE POWER SUPPLY TO THE AFFECTED ELEVATOR PRIOR TO THE APPLICATION OF WATER. THIS MEANS SHALL NOT BE SELF RE-SETTING. THE ACTIVATION OF AUTOMATIC SPRINKLERS OUTSIDE THE HOISTWAY SHALL NOT DISCONNECT THE MAIN LINE POWER SUPPLY.
8. WHERE STANDBY POWER IS REQUIRED OR FURNISHED TO OPERATE THE ELEVATOR, THE OPERATION SHALL BE IN ACCORDANCE WITH FBC SECTIONS 3003.1.1 THRU 3003.1.4
9. STANDBY POWER SHALL BE MANUALLY TRANSFERABLE TO ALL ELEVATORS IN EACH BANK
9. FOR EACH ELEVATOR, A THREE PHASE ELECTRICAL FEEDER SYSTEM WITH A SEPARATE EQUIP GROUNDING CONDUCTOR AND A SINGLE PHASE 120 VOLT LIGHTING SUPPLY. EACH WITH A FUSED DISCONNECT SWITCH OR CIRCUIT BREAKER, LOCATED IN THE MACHINE ROOM & WIRED TO EACH CONTROLLER.
10. IN THE PIT, A SEPARATE BRANCH CIRCUIT FOR CONVENIENCE G.F.C.I. OUTLET & LIGHT FIXTURE WITH LIGHT SWITCH ADJACENT TO THE PIT LADDER.
11. ALL ELECTRIC POWER FOR TOOLS, LIGHT, HOIST, ETC., DURING ERECTION AS WELL AS ELECTRIC CURRENT FOR STARTING & ADJUSTING THE ELEVATOR.
12. DRY PIT REINFORCED TO SUSTAIN VERTICAL FORCES OF UP TO: 11,393/51 LBS/KN AT EACH BUFFER AND 25,232/113 LBS/KN AT THE CYLINDER HEAD THE ACCUMULATION OF WATER MUST BE PREVENTED.
13. A FIXED VERTICAL STEEL LADDER TO PIT EXTENDING 3' 6" ABOVE THE SILL OF THE BOTTOM ENTRANCE AS LOCATED IN THE PLAN VIEW. LADDER WIDTH AND PROJECTION FROM WALL PER LOCAL CODE.
14. IF PIT FLOOR IS TO BE POURED BEFORE WELL HOLE OR CASING IS INSTALLED, A 30" X 30" CUTOUT IN PIT FLOOR SHALL BE PROVIDED. CUTOUT AND PATCHING OF FLOOR NOT BY ELEVATOR MFGR. WHEN THE WELL HOLE IS NOT THE RESPONSIBILITY OF MFGR., THE DRILLING CONTRACTOR SHALL DRILL A WELL HOLE AND INSTALL CASING W/ PLUG AND END CAP. CLEAR HOLE TO BE OF ADEQUATE DEPTH AND Ø FOR MFGR. TO INSTALL A _____ Ø ASSEMBLY PERFECTLY PLUMB AT THE LOCATION INDICATED ON THIS DRAWING.
15. ELEVATOR CAB FLOORING MUST NOT EXCEED A THICKNESS OF 5/16".
16. TELEPHONE CONNECTION TO EACH CONTROLLER. TELEPHONE INSTRUMENT ALSO BY OTHERS.
17. ALL 125 VOLT, 15 OR 20 AMP, SINGLE PHASE DUPLEX RECEPTACLES INSTALLED IN PITS, MACHINE ROOMS OR MACHINERY SPACES, SHALL BE OF THE GROUND-FAULT- CIRCUIT-INTERRUPTER TYPE.
18. ELEVATOR LOBBY SMOKE DETECTORS, LOCATED AS REQUIRED, WITH WIRING FROM THE SENSING DEVICES TO A CONTROLLER DESIGNATED BY MANUFACTURER FOR EACH GROUP OF ELEVATORS, A NORMALLY CLOSED CONTACT FROM THE SMOKE DETECTOR AT THE DESIGNATED RETURN LANDING. ALSO A NORMALLY CLOSED CONTACT REPRESENTING ALL OTHER SMOKE DETECTORS AT LOBBIES, MACHINE ROOMS, AND HOISTWAY SMOKE DETECTORS. IF A SMOKE DETECTOR IS LOCATED IN THE HOISTWAY AT OR BELOW THE LOWER OF THE TWO DESIGNATED RETURN LANDINGS, IT SHALL BE WIRED TO ACTIVATE THE SAME NORMALLY CLOSED CONTACT AS THE SMOKE DETECTOR LOCATED IN THE LOBBY AT THE LOWER OF THE TWO DESIGNATED RETURN LANDINGS.
19. SMOKE DETECTORS SHALL NOT BE USED TO ACTIVATE SPRINKLERS IN HOISTWAYS, MACHINE ROOMS OR MACHINERY SPACES OR TO DISCONNECT THE MAIN LINE POWER SUPPLY.
20. ELEVATOR CAR DESIGNATED FOR EMERGENCY OPERATIONS SHALL BE IDENTIFIED BY THE INTERNATIONAL SYMBOL FOR EMERGENCY MEDICAL SERVICES. THE SYMBOL SHALL BE A MIN. OF 3" AND LOCATED INSIDE THE CAR ON BOTH SIDES OF THE DOOR JAMB.
21. ELEVATOR DOORS: INSTALLATION OF SMOKE DOORS SHALL BE IN ACCORDANCE WITH NFPA 10 PER FBC SECTION 716.5.3.1

ELEVATOR REQUIREMENTS

MODEL: SCHINDLER 3300 MRL
GENERAL PURPOSE
TRACTION
- ELEV. #1 3000 LBS. ; 150 F.P.M.
- ELEV. #2 2500 LBS. ; 150 F.P.M.

THE TOP OF ELEVATOR/LIFT CONTROLS ARE MOUNTED NO MORE THAN 48"/1.2 M ABOVE THE FINISHED FLOOR.

EACH ELEVATOR CONTROL PANEL MUST BE EQUIPPED WITH A "DOOR OPEN" BUTTON

ELEVATOR/LIFT WALLS HAVE A HANDRAIL MOUNTED 32"/810 MM ABOVE THE FINISHED FLOOR ON THE BACK WALL OR HAVE HANDRAILS ON BOTH SIDE WALLS.

ELEV PIT REQUIREMENTS

1. CONSTRUCTION LOCATION: UNITED STATES
2. SUMP OR DRAIN REQUIRED IN PIT (BY OTHERS). LOCATION TO BE COORDINATED WITH SCHINDLER TO AVOID ELEVATOR COMPONENTS AND ACCESS AREA.

HOISTWAY VENTILATION

1. VENTS SHALL BE LOCATED NEAR THE TOP OF THE HOISTWAY AND OPEN DIRECTLY TO THE OUTSIDE.
2. AREA OF VENT SHALL BE NOT LESS THAN 6 SQ. FT.

COMMUNICATION

1. EACH ELEVATOR LANDING SHALL BE PROVIDED WITH A TWO-WAY COMMUNICATION SYSTEM FOR COMMUNICATION BETWEEN THE ELEVATOR LANDING AND THE FIRE COMMAND CENTER OR A CENTRAL CONTROL POINT APPROVED BY THE AUTHORITY HAVING JURISDICTION
2. DIRECTIONS FOR THE USE OF THE TWO-WAY COMMUNICATION SYSTEM, INSTRUCTIONS FOR SUMMONING ASSISTANCE VIA THE TWO-WAY COMMUNICATION SYSTEM AND WRITTEN IDENTIFICATION OF THE LOCATION SHALL BE POSTED ADJACENT TO THE TWO-WAY COMMUNICATION SYSTEM
3. THE TWO-WAY COMMUNICATION SYSTEM SHALL INCLUDE BOTH AUDIBLE AND VISIBLE SIGNALS

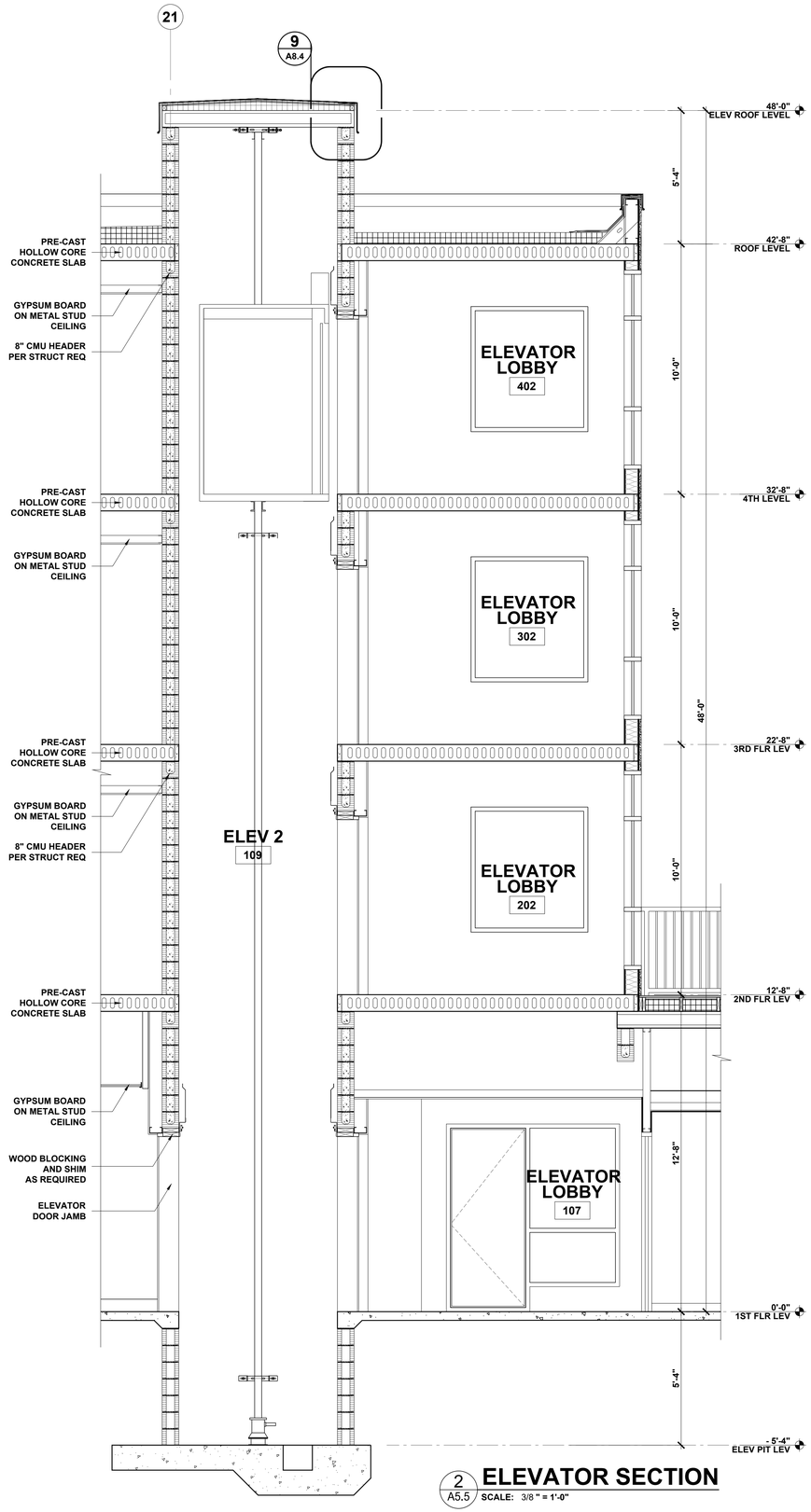
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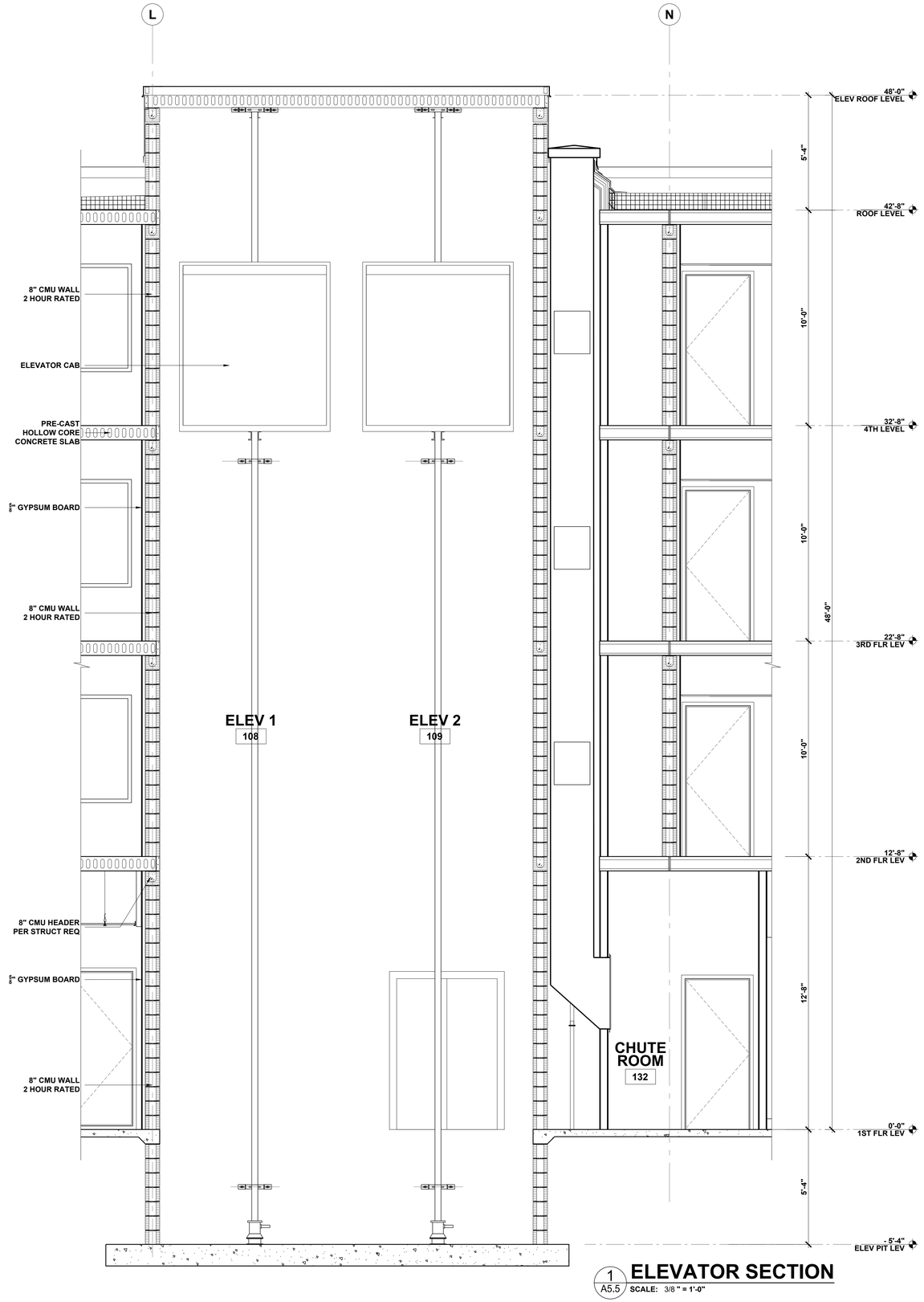
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DATE	07-11-2024
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2 A5.5 **ELEVATOR SECTION**
SCALE: 3/8 " = 1'-0"



1 A5.5 **ELEVATOR SECTION**
SCALE: 3/8 " = 1'-0"

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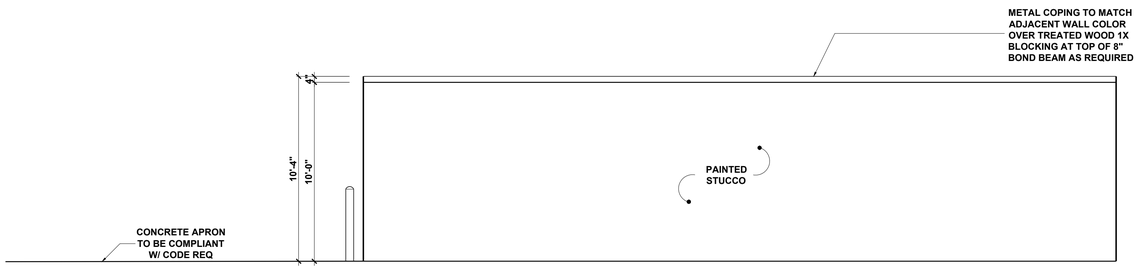
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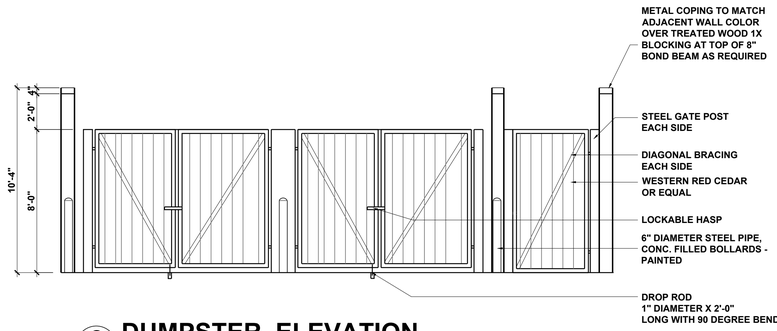
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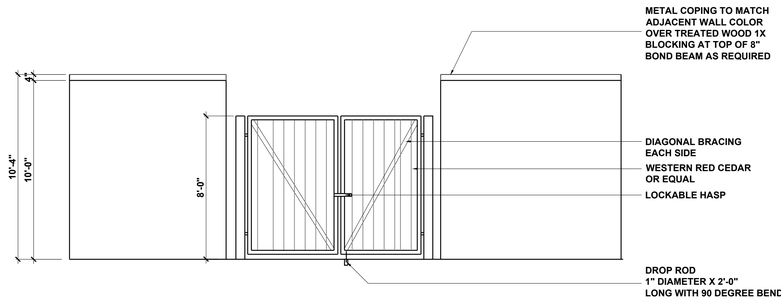
E DUMPSTER SECTION
A5.6 SCALE: 1/4 " = 1'-0"



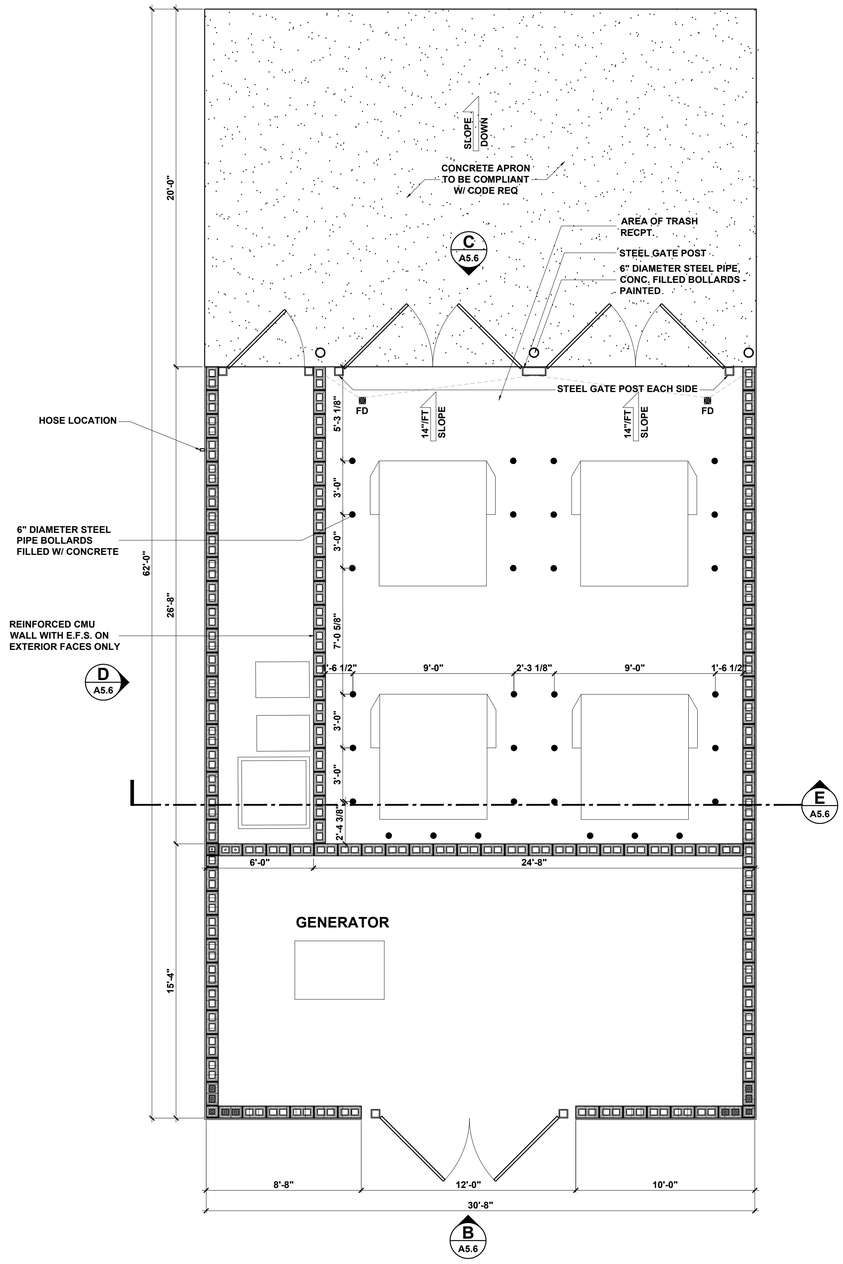
D DUMPSTER ELEVATION
A5.6 SCALE: 1/4 " = 1'-0"



C DUMPSTER ELEVATION
A5.6 SCALE: 1/4 " = 1'-0"



B DUMPSTER ELEVATION
A5.6 SCALE: 1/4 " = 1'-0"



A DUMPSTER FLOOR PLAN
A5.6 SCALE: 1/4 " = 1'-0"

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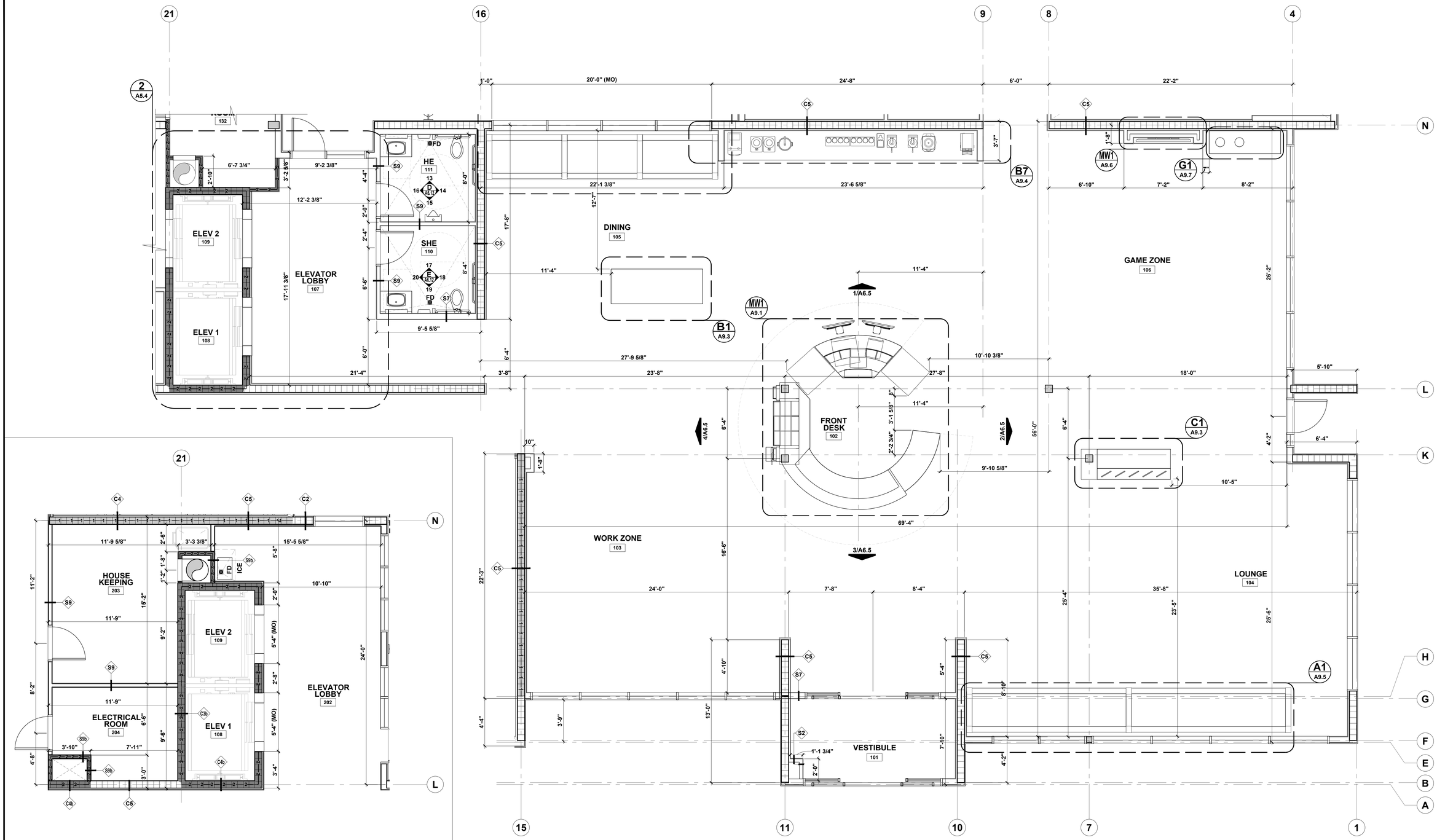
TRU HOTEL BY HILTON
RAJ PATEL
STUART, FLORIDA

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JOB NO.
22039

DATE
07-11-2024

SHEET
A5.6



2 2ND FLOOR ENLARGED FLOOR PLAN

2 A6.1 SCALE: 1/4 " = 1'-0"

1 1ST FLOOR ENLARGED FLOOR PLAN

1 A6.1 SCALE: 1/4 " = 1'-0"

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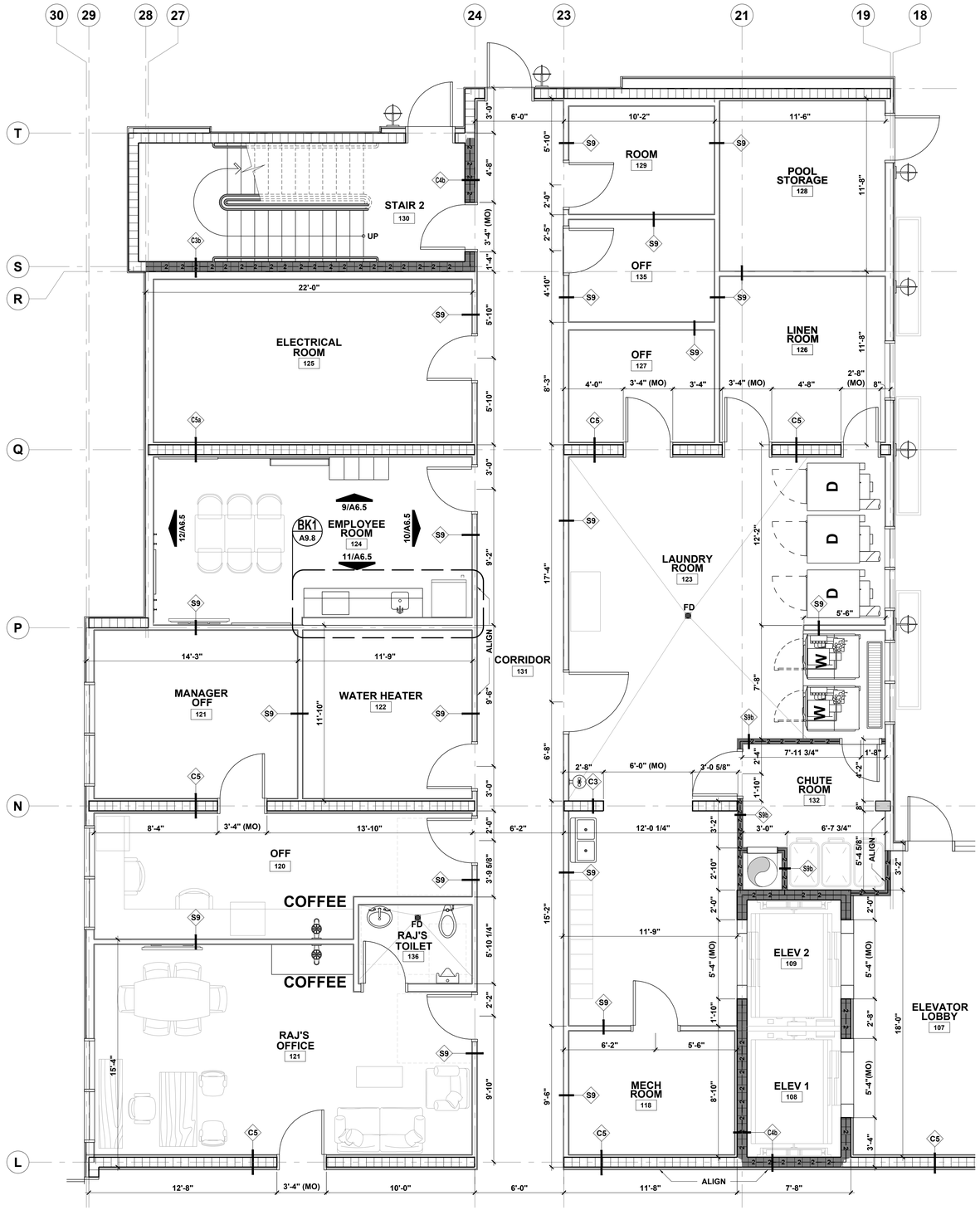
AA C000606

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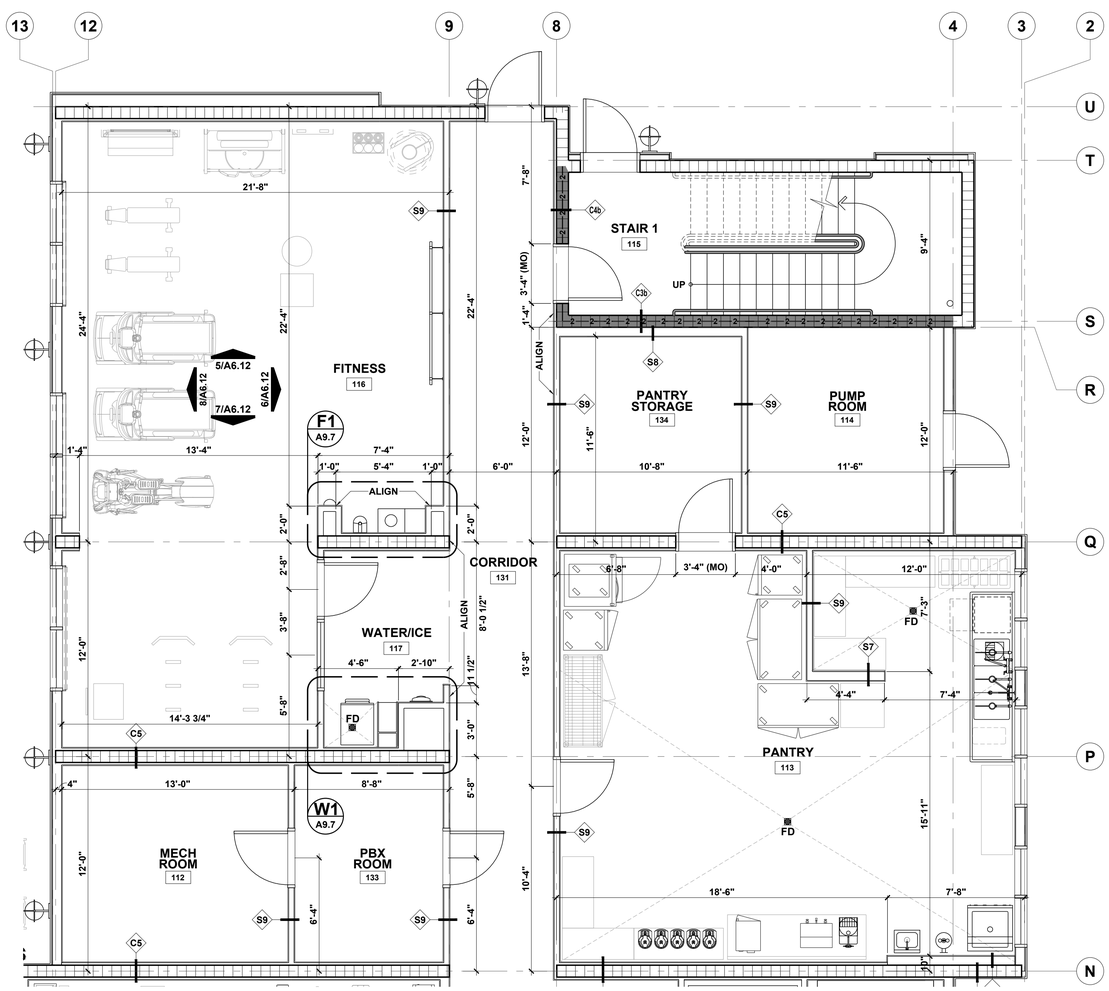
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DATE 07-11-2024
SHEET A6.1



2 A6.2 1ST FLOOR ENLARGED FLOOR PLAN

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



1 A6.2 1ST FLOOR ENLARGED FLOOR PLAN

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

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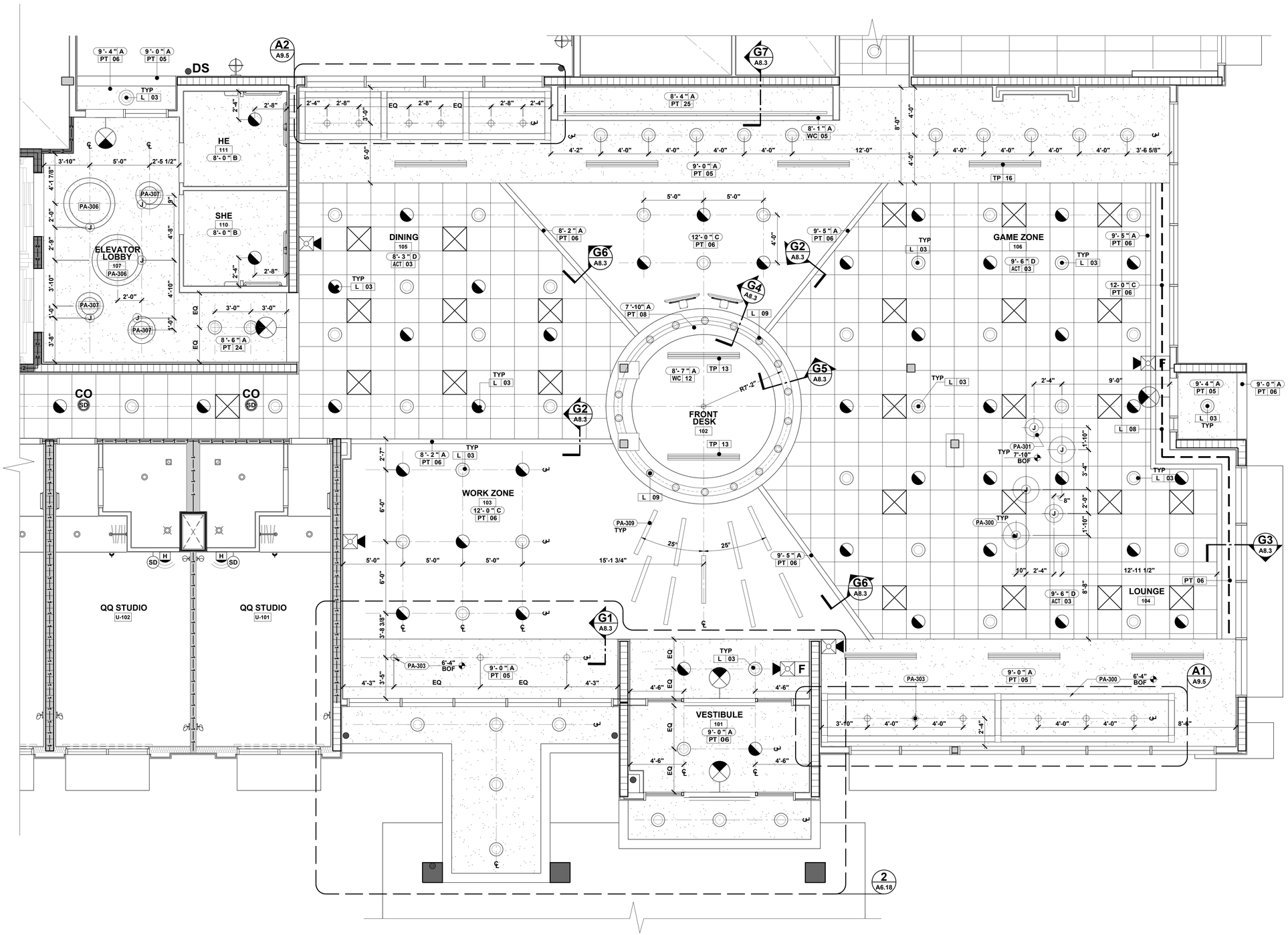
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RAJ PATEL
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DATE
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SHEET
A6.2



1 A6.3 1ST FLOOR ENLARGED REFLECTED CEILING PLAN

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

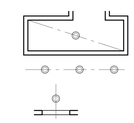
CEILING SCHEDULE

	CEILING HEIGHT / CEILING FINISH (9'-6" A)
A	PRIMED & PAINTED GYPSUM BOARD
B	PRIMED & PAINTED GYPSUM BOARD - MOISTURE RESISTANT
C	PAINTED EXPOSED UNDERSIDE STRUCTURE
D	2x2 LAY-IN ACOUSTICAL CEIL TILE SUSPENDED FROM STRUCT
E	2x4 LAY-IN ACOUSTICAL CEIL TILE SUSPENDED FROM STRUCT
F	2x4 LAY-IN ACOUSTICAL CEIL TILE SUSPENDED FROM STRUCT INFILLED W/ 1/2" VINYL FACED GYPSUM BOARD PANELS
G	LARGE FORMAT ACOUSTIC TILE W/ EDGE TRIM (ACT-01)
H	LARGE FORMAT ACOUSTIC TILE W/ EDGE TRIM (ACT-02)

CEILING SCHEDULE

	L 03	RECESSED DOWNLIGHT
	L 08	LINEAR LED WALL GRAZER
	L 09	TRACK HEAD ON MONORAIL SYSTEM
	TP 16	LINEAR SUPPLY DIFFUSER
	PA-300 / PA-301	SURFACE MOUNTED CAN DOWNLIGHT (SMALL & LARGE)
	PA-303	DECORATIVE ROUND SUSPENDED LIGHT FIXTURE REFER TO FF&E PACKAGE
	PA-306 / PA-307	DECORATIVE ROUND LIGHT FIXTURE REFER TO FF&E PACKAGE (SMALL & LARGE)
	PA-309	DECORATIVE LINEAR FIXTURE REFER TO FF&E PACKAGE
		EMERGENCY EXIT LIGHT PER ELECTRICAL PLAN
		2X4 LED LIGHT WITH CASING LIGHT FIXTURE
		4X1 LED LIGHT WITH CASING LIGHT FIXTURE
		2X2 LED LIGHT WITH CASING LIGHT FIXTURE
		WALL MOUNTED STRIP LIGHT WITH CASING
		SURFACE MOUNTED FLUORESCENT FIXTURE
		DECORATIVE WALL MOUNTED SCONCE
		RECESSED DOWNLIGHT WITH EMERGENCY BACKUP
	F	MANUAL PULL STATION
		WALL MOUNTED HORN
	J	JUNCTION BOX
	S	SPEAKER
T	T	REMOTE THERMOSTAT
		SUPPLY AIR GRILLE
		RETURN AIR GRILLE
		EXHAUST FAN
		DOORBELL - (HEARING IMPAIRED GUESTROOM ENTRANCE DOOR ONLY) MOUNT AT 46" AFF TO CENTER OF BUTTON
DB	D	DOORBELL LIGHT (HEARING IMPAIRED ROOMS ONLY)
S	S	STROBE (HEARING IMPAIRED ROOMS ONLY)
HS	HS	FIRE HORN/STROBE (IN HEARING IMPAIRED ROOMS ONLY)
H	H	FIRE HORN
SD	SD	SMOKE DETECTOR
		SIDE WALL SPRINKLER HEAD

CEIL DIMENSION LEGEND



CENTER FIXTURE IN SPACE
- CENTER THE FIXTURE IN SPACE IDENTIFIED BY DIAGONAL LINE.

ALIGN FIXTURES
- ALIGN FIXTURES ALONG CENTERLINE SHOWN

CENTER OVER
- CENTER FIXTURE OVER CENTERLINE OF ADJACENT CONSTRUCTION

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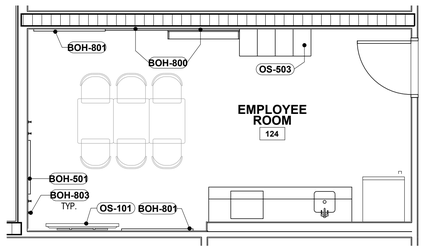
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RAJ PATEL
STUART, FLORIDA

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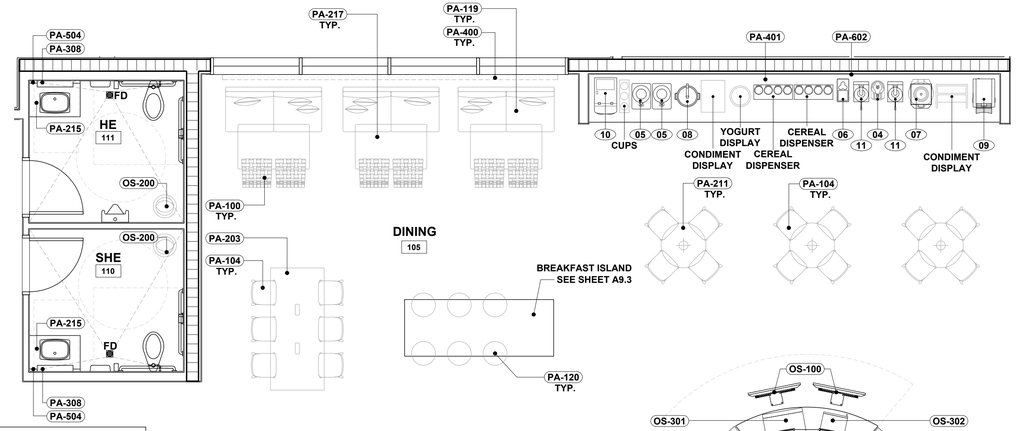
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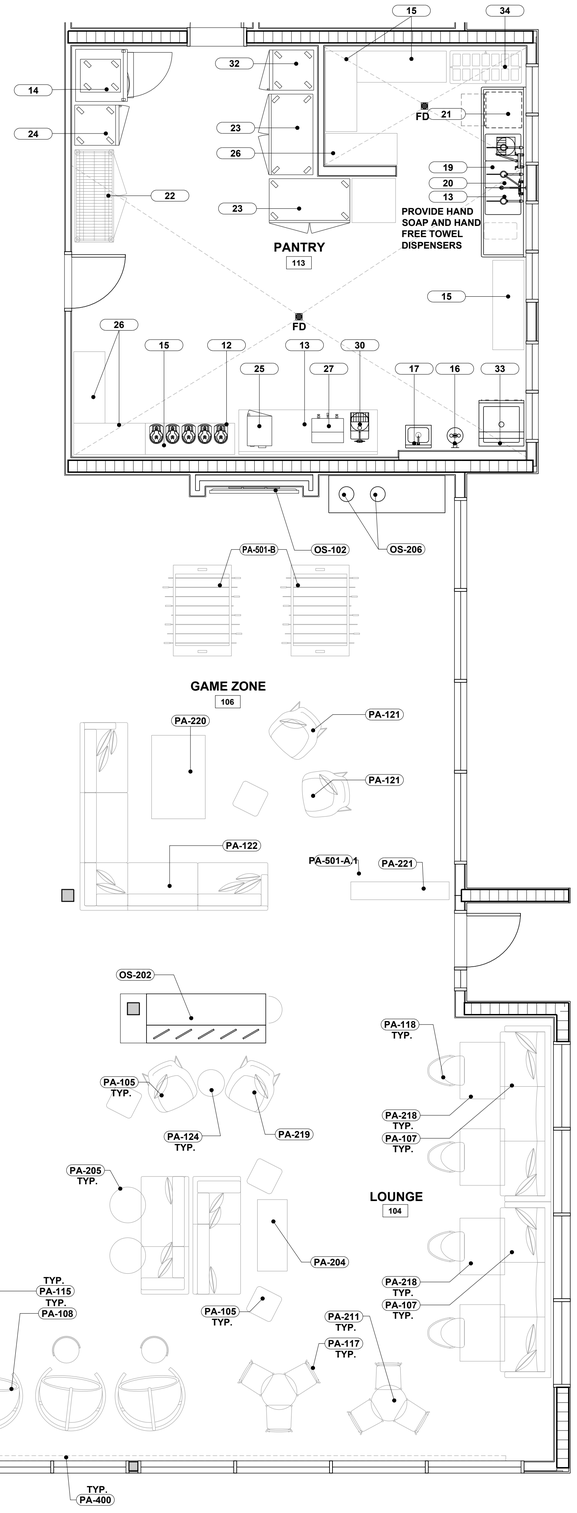
SHEET A6.3

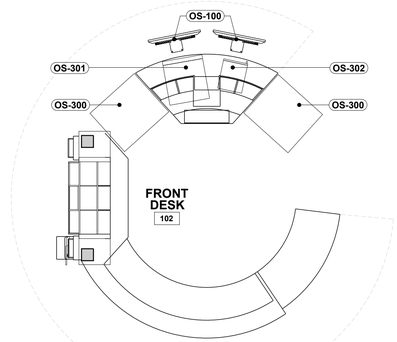


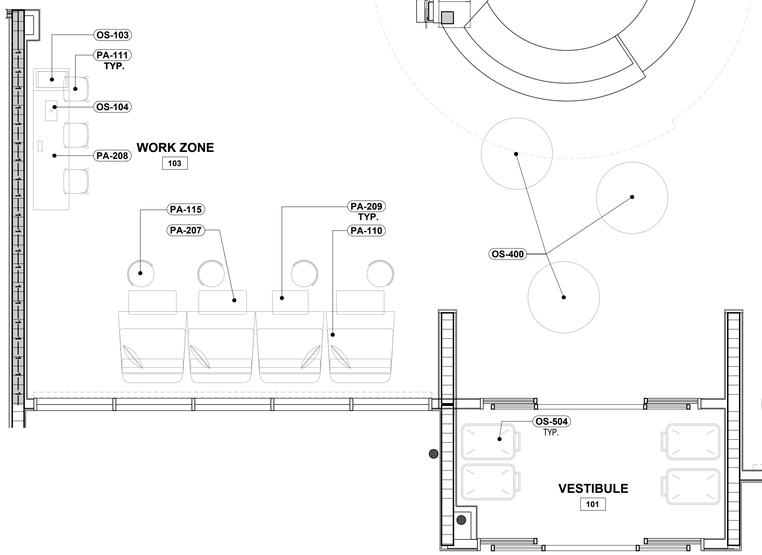
3 A6.4 EMPLOYEE ROOM FURNITURE PLAN

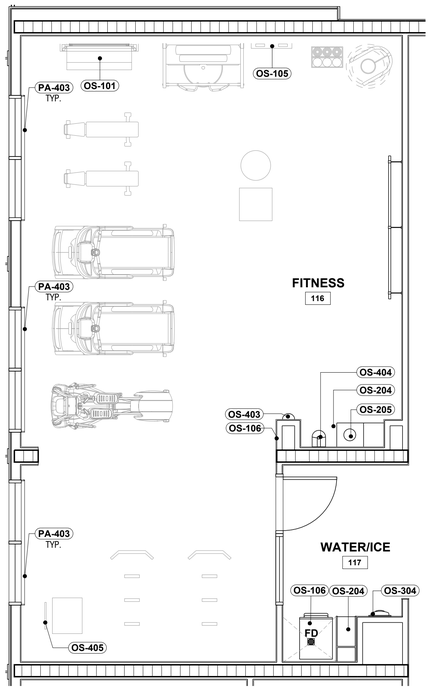
SCALE: 1/4 " = 1'-0"











2 A6.4 FITNESS FURNITURE PLAN

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

1 A6.4 1ST ENLARGED FLOOR FURNITURE PLAN

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

FURNISHINGS LEGEND

	COMMON / SERVICE AREA
PA-100	DINING CHAIR @ BANQUETTE SEATING
PA-104	BARSTOOLS @ POWERED COMMUNITY TABLE
PA-105	OTTOMAN @ LOUNGE CHAIR AND GAME AREA
PA-107	HIGH BACK SOFA @ LOUNGE AREA
PA-108	HANGING CHAIR @ LOUNGE SEATING
PA-110	HUBS @ WORK AREA
PA-111	COUNTER STOOL @ WORK AREA
PA-115	OTTOMAN W/ HANDLE @ WORK AND LOUNGE AREA
PA-117	BARSTOOLS @ LOUNGE SEATING
PA-118	UPHOLSTERED DINING CHAIR @ HIGH BACK SOFA
PA-119	BANQUETTE SEATING @ DINING
PA -120	COUNTER HEIGHT STOOL 2 BREAKFAST ISLAND
PA-121	LOUNGE CHAIR @ GAME AREA
PA-122	SECTIONAL SOFA @ GAME AREA
PA-124	ACCENT LOUNGE @ LOUNGE AREA
PA-203	POWERED COMMUNITY TABLE
PA-204	COCKTAIL TABLE @ LOUNGE AREA
PA-205	CAFE TABLE @ LOUNGE SEATING
PA-207	LARGE WORK TABLE @ WORK AREA HUBS
PA -208	COUNTER LEDGE AND PRINT STATION @ WORK AREA
PA-209	SMALL WORK TABLE @ WORK AREA HUBS
PA-211	BAR HEIGHT TABLE @ LOUNGE AND GAME AREAS
PA-215	ACCESSIBLE VANITY @ PUBLIC RESTROOMS
PA-217	48"X 30" DINING TABLE @ BANQUETTE SEATING
PA-218	ACCESSIBLE DINING TABLE @ LOUNGE AREA
PA-219	ACCENT SIDE TABLE @ LOUNGE AREA
PA-220	LARGE COCKTAIL TABLE @ GAME AREA
PA-221	DRINK LEDGE @ GAME AREA
PA -308	WALL SCONCE @ PUBLIC RESTROOMS
PA-400	SHEER ROLLER SHADES @ LOBBY
PA-401	ROLLER SHADES @ BREAKFAST BUFFET
PA-403	SHEER ROLLER SHADES @ FITNESS, GYM AND OFC
PA-501-A.1	PULL CUE WALL RACK @GAME AREA
PA-501-B	FOOSBALL TABLE @ GAME AREA
PA-504	FRAMELESS MIRROR @ PUBLIC RESTROOMS
PA -402	GRAPHIC SIGNAGE RAIL @ BREAKFAST
BOH-501	ROUND FRAMED MIRROR @ EMP BREAKROOM
BOH-800	WHITE BOARD AND SHELF
BOH-801	CORK BOARD
BOH-803	COAT HOOKS @ ENTRY
	OWNER SUPPLIED ITEMS
OS-100	TELEVISION @ MARKET
OS-101	TELEVISION @ FITNESS, EMP BRKRM & ELEV LOBBY
OS-102	TELEVISION@ LOBBY AND MEDIA WALL
OS-103	PRINTER @ WORK AREA
OS-104	TABLET STATION @ WORK AREA
OS-105	KIOSK STATION @ FITNESS
OS-106	HOUSE PHONE @ FITNESS ROOM & EMP BRKROOM
OS-200	TRASH RECEPTACLE @ EMP BRKRM & RESTROOM
OS-202	HALF RD TRASH RECEPTACLE@LOBBY,ELEV LOBBY
OS-204	SMALL TRASH RECEPTACLE @
OS-205	TOWEL RECEPTACLE INSERT @ FITNESS
OS-206	LARGE TRASH RECEPTACLE INSERT @ LOBBY MW
OS-300	OPEN AIR COOLER @ MARKET
OS-301	UNDER COUNTER FREEZER @ MARKET
OS-302	MICROWAVE @ MARKET
OS-304	TABLET STATION @ WORK AREA
OS-400	CIRCULAR WALK OFF MAT @ ENTRY
OS-403	WALL MOUNTED ANTI-BACTERIAL HAND SANITIZER
OS-404	WALL MOUNTED SANITARY WIPE DISPENSER
OS-405	WALL CLOCK @ FITNESS
OS-503	EMPLOYEE LOCKER UNITS
OS-504	LUGGAGE CART

EQUIPTMENT LEGEND

	PANTRY/BREAKFAST AREA	
ITEM NO	QTY	DESCRIPTION
04	1	WAFFLE BATTER DISPENSER (BY OPERATOR)
05	2	MILK DISPENSER
06	1	FOOD PAN & BOTTLE WARMER(COUNTERTOP)
07	1	INDUCTION WARMER (COUNTERTOP)
08	1	OATMEAL WARMING KETTLE (COUNTERTOP)
09	1	CONVEYOR TOASTER
10	1	JUICE DISPENSER (OS)
11	2	WAFFLE MAKER (OPERATOR SUPPLIED)
12	1	COFFEE THERMAL DISPENSER
13	2	STORAGE SHELVING (HIGH MOUNT)
14	1	ROLL-IN REFRIGERATOR
15	4	STORAGE SHELVING
16	1	EYE WASH STATION
17	1	HAND SINK W/ SOAP AND TOWEL DISPENSER
19	1	UTENSIL WASHING SINK
20	1	WALL SHELF
20	21	UNDERCOUNTER DISHWASHER (HIGH TEMP)
22	1	MOBILE SECURITY STORAGE SHELVING
23	2	MOBILE REACH-IN REFRIGERATOR
24	1	MOBILE REACH-IN REFRIGERATOR (RETAIL
25	1	MOBILE REACH-IN FREEZER
26	3	STORAGE SHELVING
27	1	COFFEE MAKER
30	1	WORK TABLE W/ SINK
32	1	MOBILE REACH-IN FREEZER (RETAIL)
33	1	JANITOR PANTRY
34	1	DUNNAGE RACK

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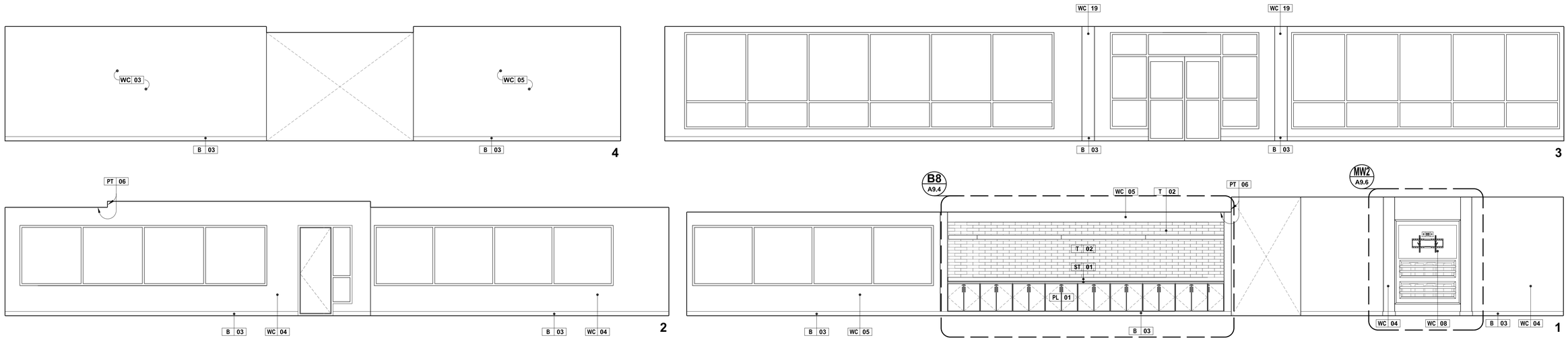
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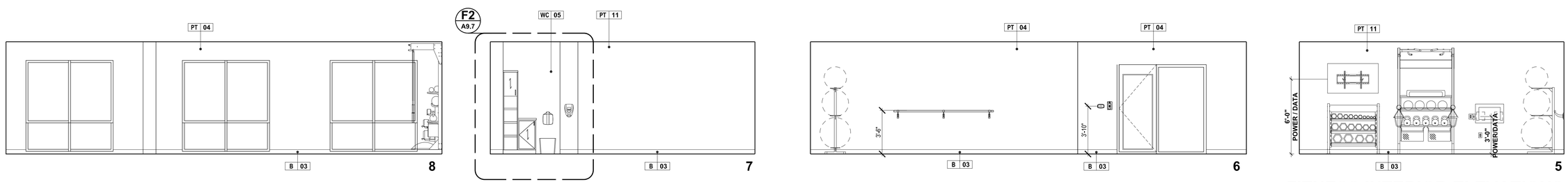
A6.7

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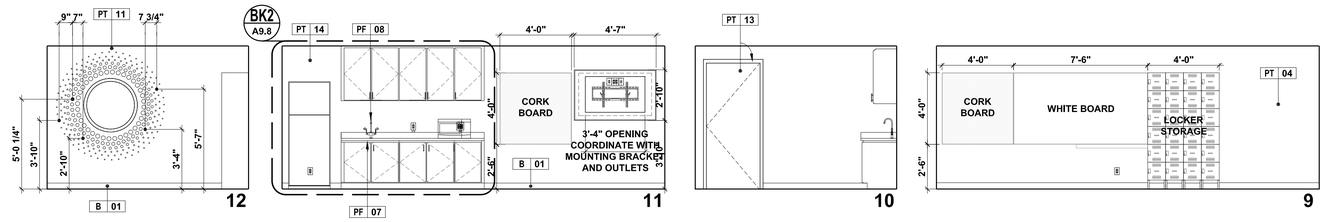
JOB NO. 22039
DATE 07-11-2024
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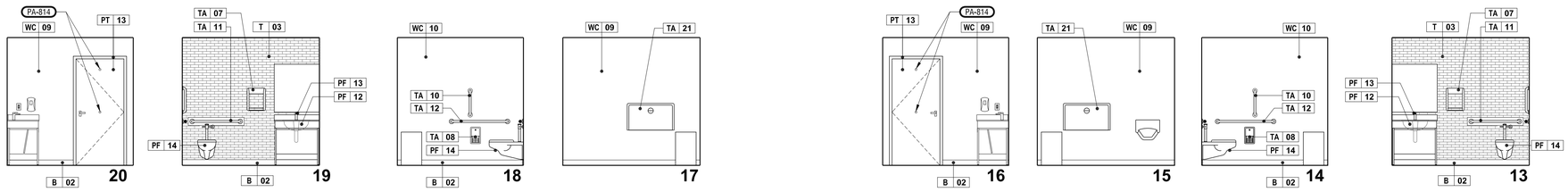
A LOBBY INTERIOR ELEVATIONS
A6.5 SCALE: 1/4 " = 1'-0"



B FITNESS INTERIOR ELEVATIONS
A6.5 SCALE: 1/4 " = 1'-0"



C EMPLOYEE ROOM INTERIOR ELEVATIONS
A6.5 SCALE: 1/4 " = 1'-0"



E WOMEN TOILET - INTERIOR ELEVATIONS
A6.5 SCALE: 1/4 " = 1'-0"

D MEN TOILET - INTERIOR ELEVATIONS
A6.5 SCALE: 1/4 " = 1'-0"

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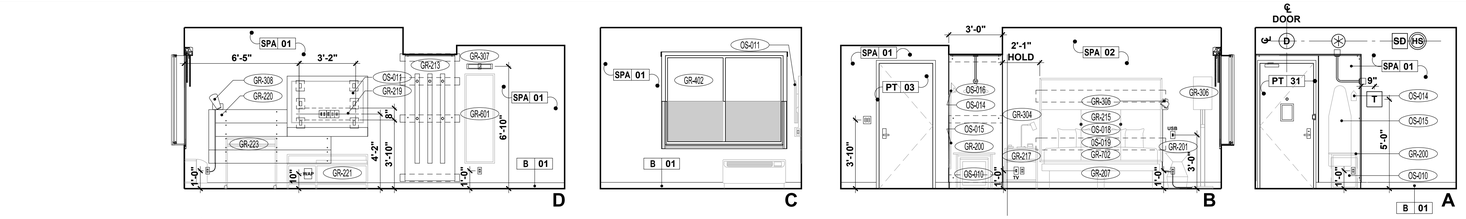
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A6.5

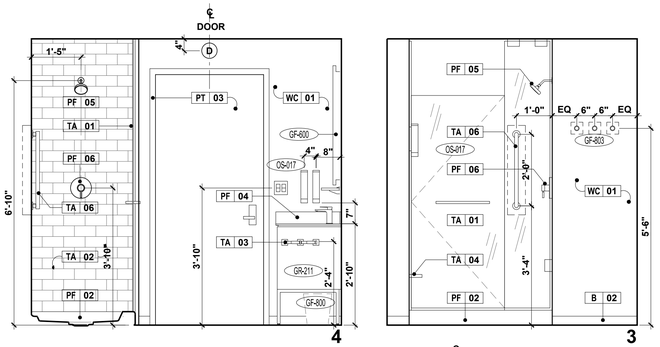


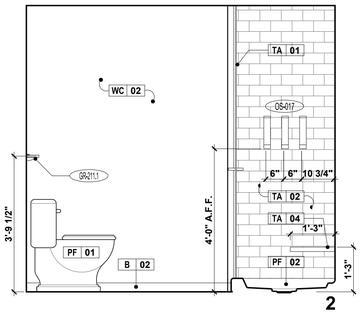
H A6.6 TYP KING STUDIO UNIT INTERIOR ELEVATIONS

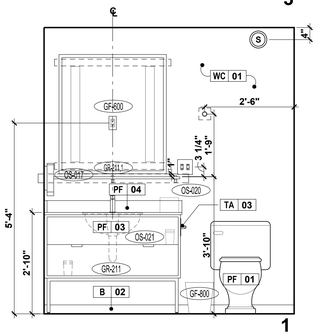
SCALE: 1/4 " = 1'-0"

NOTE:

LIFE SAFETY ALARMS AND STOBES SHOWN FOR HEARING IMPAIRED UNITS. REFER TO BUILDING RCP FOR INDIVIDUAL UNIT PROVISIONS.

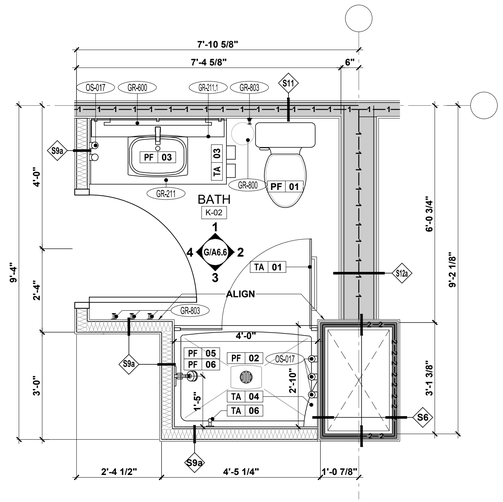






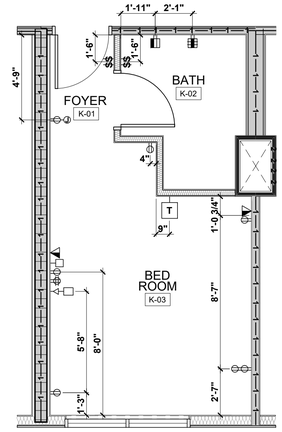
F A6.6 TYP KING STUDIO UNIT BATHROOM PLAN

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



E A6.6 TYP KING STUDIO UNIT OUTLET PLAN

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

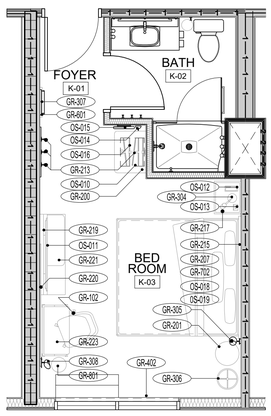


G A6.6 TYP KING STUDIO UNIT BATHROOM ELEVATIONS

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

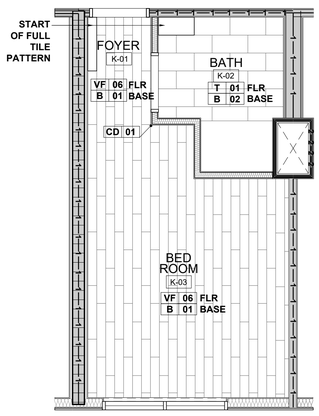
NOTE:

LIFE SAFETY ALARMS AND STOBES SHOWN FOR HEARING IMPAIRED UNITS. REFER TO BUILDING RCP FOR INDIVIDUAL UNIT PROVISIONS.



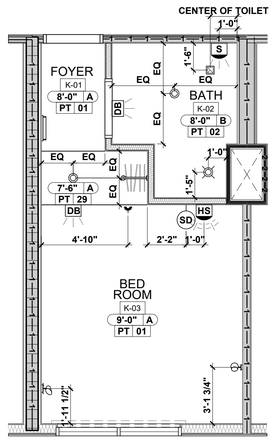
D A6.6 TYP KING STUDIO UNIT FURNITURE PLAN

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



C A6.6 TYP KING STUDIO UNIT FINISH PLAN

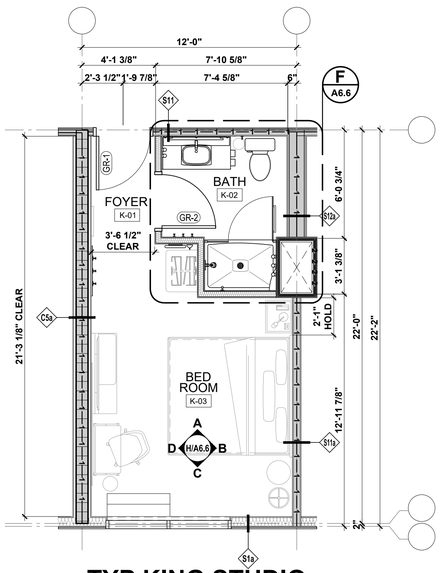
SCALE: 1/4 " = 1'-0"



B A6.6 TYP KING STUDIO UNIT REFLECTED CEILING PLAN

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

NOTE: LIFE SAFETY ALARMS AND STOBES SHOWN FOR HEARING IMPAIRED UNITS. REFER TO BUILDING RCP FOR INDIVIDUAL UNIT PROVISIONS.



A A6.6 TYP KING STUDIO UNIT FLOOR PLAN

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

NOTES

1. CONTRACTOR TO COORDINATE CASEGOODS/ FURNITURE/ MILLWORK WITH INTERIOR DESIGNER AND PLANS AND PROVIDE RESPECTIVE BLOCKINGS.

2. GUEST WINDOWS TO BE PROVIDED WITH DUAL MANUAL ROLLER SHADE TREATMENT MOUNTED IN WINDOW POCKET - BLOCKOUT ROLLER SHADE AND BLACKOUT CHANNELS TO BE INSTALLED AT WINDOW SIDE FLUSH AGAINST WINDOW MULLIONS. SHEER ROLLER SHADE INSTALLED AT ROOM SIDE. SHEER ROLLER SHADE INSTALLED AT ROOM SIDE. SWITCHED OPENING DEVICE IN ADA ROOMS. ALL WIRINGS MUST BE CONCEALED IN ACCESSIBLE GUESTROOM WINDOW TREATMENTS

3. FLOOR FINISH NOT PROVIDED UNDER PRE-MANUFACTURED SHOWER PAN. CONTRACTOR TO COORDINATE

4. GENERAL CONTRACTOR TO COORDINATE POWER/DATA AND TV LOCATIONS WITH FINAL CASE GOOD DRAWINGS

5. ALL OUTSIDE CORNERS WITHIN GUESTROOMS TO RECEIVE CORNER GUARDS

6. ILLUMINATED MIRROR MUST BE INSTALLED 1" ABOVE THE VANITY SHELF AT STANDARD GUESTROOMS.

7. REFER TO TRU BY HILTON INTERIOR SIGNAGE PACKAGE FOR BRAND GRAPHICS/SIGNAGE AT THIS LOCATION.

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14. HAND HELD SHOWER MOUNTING CLIP - MOUNTED SO THAT AT 46" AFF MAXIMUM.

CEILING SCHEDULE

CEILING HEIGHT	CEILING TYPE
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B	PRIMED & PAINTED GYP BD - MOISTURE RESISTANT

CENTER FIXTURE IN SPACE
- CENTER THE FIXTURE IN SPACE IDENTIFIED BY DIAGONAL LINE.

ALIGN FIXTURES
- ALIGN FIXTURES ALONG CENTERLINE SHOWN

CENTER OVER
- CENTER FIXTURE OVER CENTERLINE OF ADJACENT CONSTRUCTION

LIGHTING

L-15	6" LED RECESSED DOWNLIGHT @ GUEST SHOWER
L-16	6" LED RECESSED DOWNLIGHT @ GUEST BATH
L-17	4" LED RECESSED DOWNLIGHT @ GUESTROOM

- RECESSED DOWNLIGHT
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- BATHROOM EXHAUST
- DUPLEX OUTLET
- QUADPLEX OUTLET
- GFI OUTLET
- DATA OUTLET
- TV OUTLET
- SWITCH
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- DOORBELL LIGHT (HEARING IMPAIRED ROOMS ONLY)
- STROBE LIGHT (HEARING IMPAIRED ROOMS ONLY)
- FIRE HORN & STROBE (HEARING IMPAIRED ROOMS ONLY)
- FIRE HORN
- SMOKE DETECTOR
- SIDE WALL SPRINKLER HEAD

OWNER'S SUPPLY ITEMS

OS-010	REFRIGERATOR @ GUESTROOM
OS-011	TELEVISION @ GUESTROOM
OS-012	PHONE @ GUESTROOM
OS-013	ALARM CLOCK @ GUESTROOM
OS-014	IRON @ GUESTROOM
OS-015	IRONING BOARD @ GUESTROOM
OS-016	HANGERS @ GUESTROOM
OS-017	BULK AMENITIES @ GUEST BATH
OS-018	MATTRESSES @ GUESTROOM
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OS-020	TISSUE HOLDER @ GUEST BATH
OS-021	WRAPPED CUPS @ GUEST BATH
OS-022	SHOWER CURTAIN @ ADA GUEST BATH

FINISH SCHEDULE

B	BASE
CD	CORNER GUARD
PT	PAINT
SPA	SPECIAL PAINT
T	TILE
VF	VINYL FLOORING
WC	WALL COVERING

FURNITURE SCHEDULE

BEDROOM

GR-102	TASK CHAIR @ GUESTROOM
GR-200	LUGGAGE BENCH @ LANDING ZONE
GR-201	ACCENT NIGHTSTAND @ KING
GR-206	BED BASE @ DOUBLE QUEEN GUESTROOM
GR-206.ADA	BED FRAME @ ADA DOUBLE QUEEN GUESTROOM
GR-207	BED BASE @ KING GUESTROOM
GR-207.ADA	BED FRAME @ ADA KING GUESTROOM
GR-213	LANDING ZONE FIXTURE**
GR-214	LANDING ZONE FIXTURE @ ADA GUESTROOMS**
GR-215	KING HEADBOARD**
GR-216	QUEEN HEADBOARD**
GR-217	KING NIGHTSTAND
GR-218	DOUBLE QUEEN NIGHTSTAND
GR-219	TV WALL UNIT WITH INTEGRATED POWER**
GR-220	LAMINATE WALL PANELS @ TV WALL
GR-221	STORAGE BENCH @ KING AND CONN GUESTROOMS
GR-222	ELONGATED STORAGE BENCH @ QQ GUESTROOMS
GR-223	MOBILE DESK
GR-702	KING BOX SPRING COVER
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GR-704	KING BEDSKIRT - ACCESIBLE
GR-705	QUEEN BEDSKIRT - ACCESIBLE
GR-801	WASTE BASKET @ GUESTROOMS

APPLIANCES

GR-304	BEDSIDE LAMP @ KING GUESTROOMS
GR-305	HEADBOARD SCONCE @ GUESTROOM
GR-306	FLOOR LAMP @ GUESTROOM
GR-307	WALL SCONCE @ FULL LENGTH MIRROR
GR-308	WALL SCONCE @ DESK
GR-309	BEDSIDE LAMP @ QQ GUESTROOM
GR-310	ACCESSIBLE HEADBOARD SCONCE @ GUESTROOM
GR-311	ACCESSIBLE WALL SCONCE @ DESK
GR-402	MANUAL ROLLER SHADE SET WITH BLACKOUT AND PRINTED SHEER
GR-403	MOTORIZED ROLLER SHADE SET @ ACC GUESTRM @ ACCESSIBLE GUESTROOMS
GR-601	FULL LENGTH MIRROR @ LANDING ZONE

BATHROOM

GR-211	VANITY @ GUEST BATH
GR-211.1	VANITY SHELF @ GUEST BATH**
GR-212	ACCESSIBLE VANITY @ ADA GUEST BATH
GR-212.1	ACCESSIBLE VANITY SHELF @ ADA GUEST BATH**
GR-600	ILLUMINATED MIRROR @ GUEST BATH**
GR-602	ILLUMINATED MIRROR @ ACCESSIBLE GUEST BATH**
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TA-22	TOWEL BAR @ ACCESSIBLE GUEST BATH/SHOWER

**REQUIRES BLOCKING -
REFER TO MILLWORK BLOCKING DIAGRAM**

PERMIT SET
07-11-2024

AA C000606

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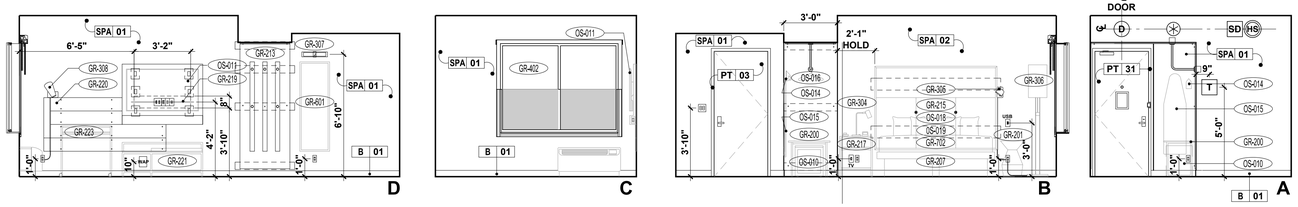
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STUART, FLORIDA

REVISION

JOB NO.
22039

DATE
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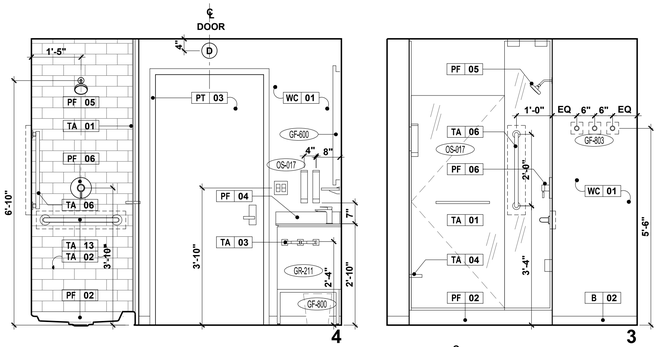
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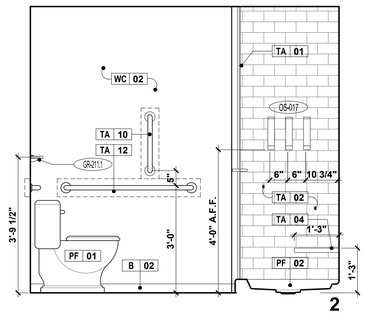


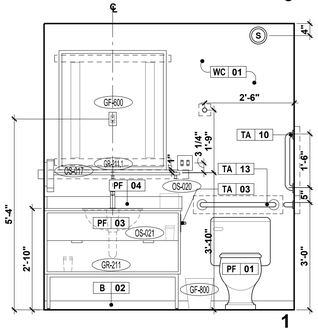
H A6.7 TYP KING STUDIO UNIT INTERIOR ELEVATIONS

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

NOTE:
LIFE SAFETY ALARMS AND STOBES SHOWN FOR HEARING IMPAIRED UNITS. REFER TO BUILDING RCP FOR INDIVIDUAL UNIT PROVISIONS.

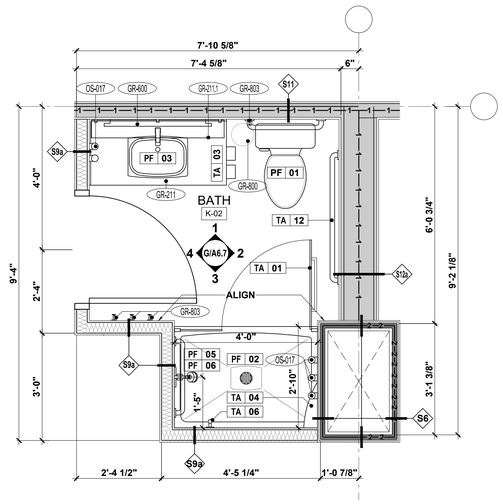






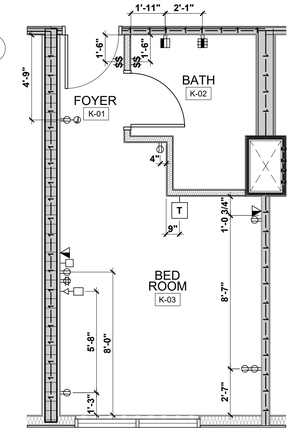
F A6.7 TYP KING STUDIO UNIT BATHROOM PLAN

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



E A6.7 TYP KING STUDIO UNIT OUTLET PLAN

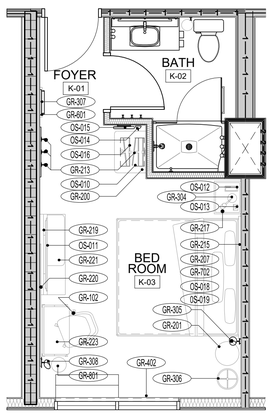
SCALE: 1/4 " = 1'-0"



G A6.7 TYP KING STUDIO UNIT BATHROOM ELEVATIONS

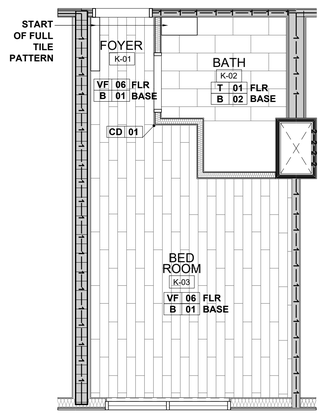
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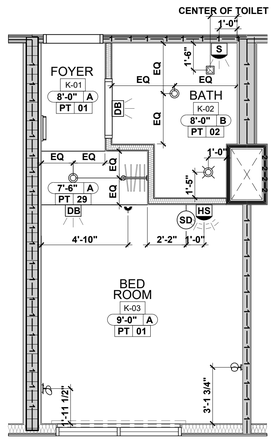
D A6.7 TYP KING STUDIO UNIT FURNITURE PLAN

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



C A6.7 TYP KING STUDIO UNIT FINISH PLAN

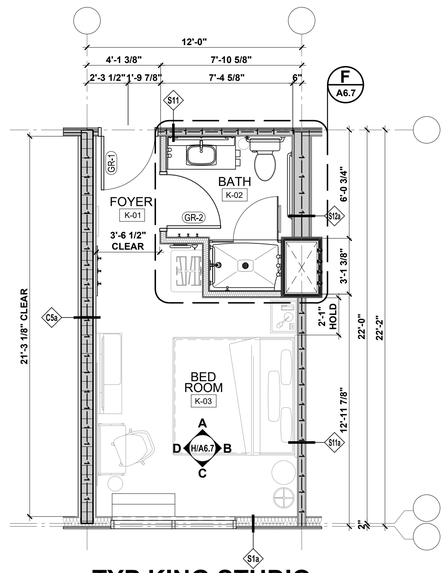
SCALE: 1/4 " = 1'-0"



B A6.7 TYP KING STUDIO UNIT REFLECTED CEILING PLAN

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

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A A6.7 TYP KING STUDIO UNIT FLOOR PLAN

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**REQUIRES BLOCKING -
REFER TO MILLWORK BLOCKING DIAGRAM**

PERMIT SET
07-11-2024

AA C000606

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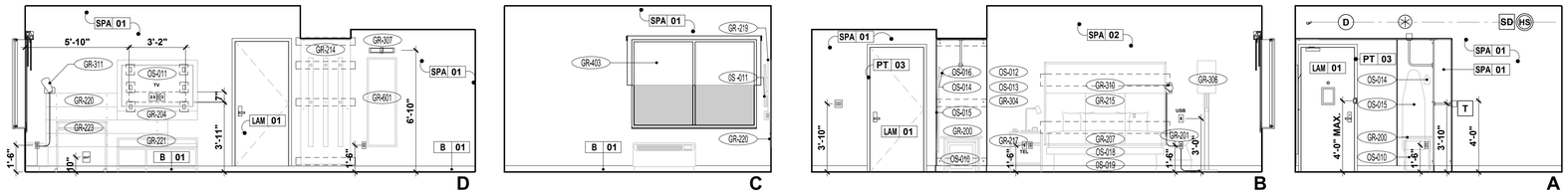
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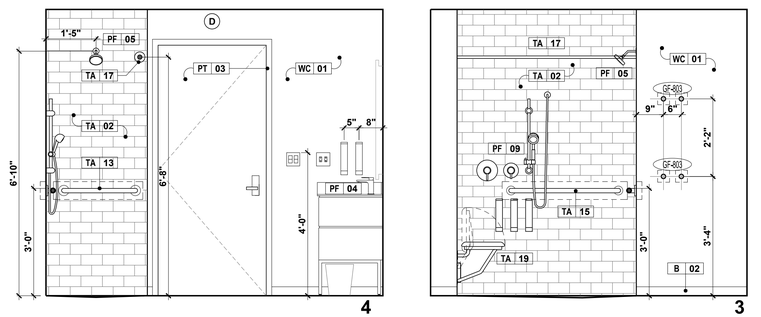
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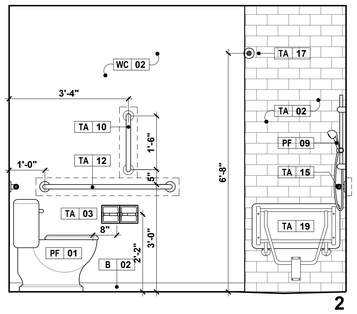


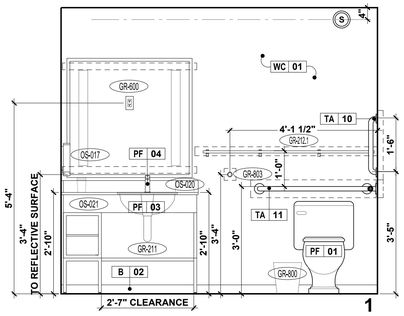
H A6.8 KING STUDIO-ADA-SHO UNIT INTERIOR ELEVATIONS

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

NOTE:
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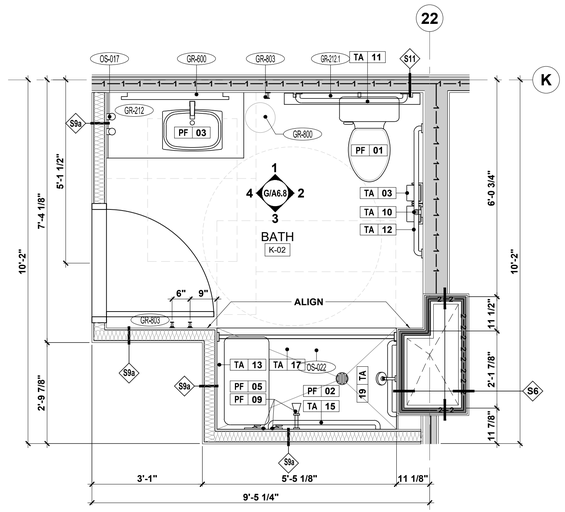




G A6.8 KING STUDIO-ADA-SHO BATHROOM ELEVATIONS

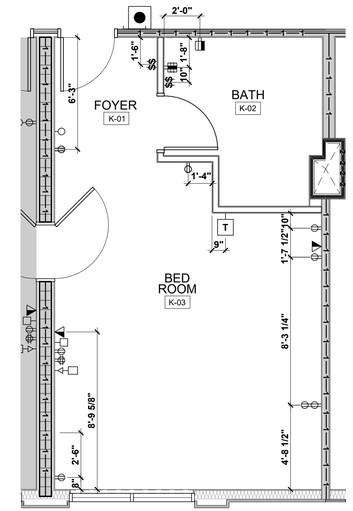
SCALE: 1/4 " = 1'-0"

NOTE:
LIFE SAFETY ALARMS AND STOBES SHOWN FOR HEARING IMPAIRED UNITS. REFER TO BUILDING RCP FOR INDIVIDUAL UNIT PROVISIONS.



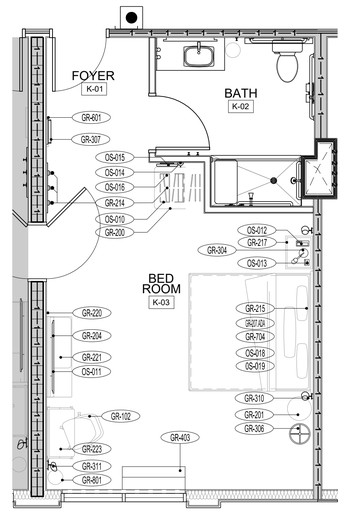
F A6.8 KING STUDIO-ADA-SHO UNIT BATHROOM PLAN

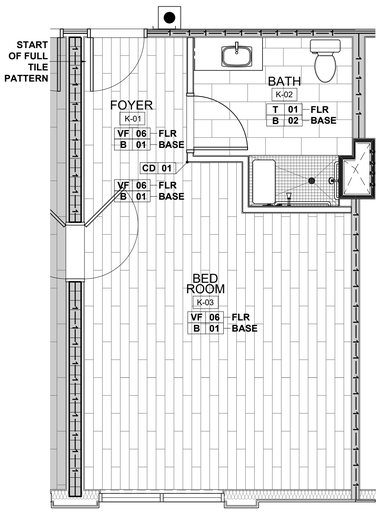
SCALE: 1/2 " = 1'-0"



E A6.8 KING STUDIO-ADA-SHO UNIT OUTLET PLAN

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



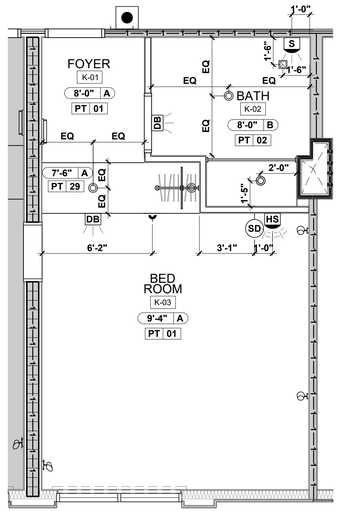


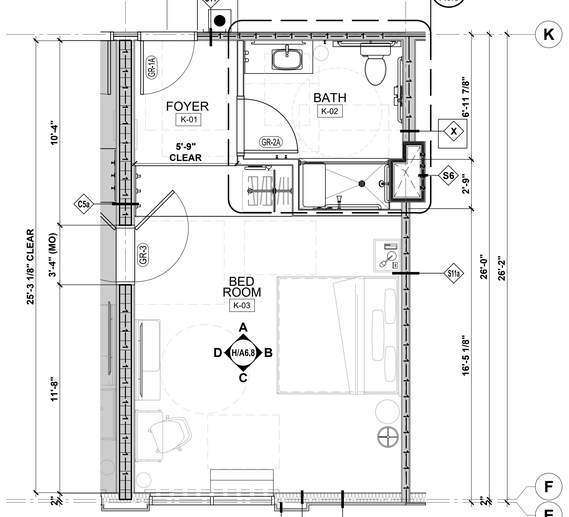
D A6.8 KING STUDIO-ADA-SHO UNIT FURNITURE PLAN

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

C A6.8 KING STUDIO-ADA-SHO UNIT FINISH PLAN

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





B A6.8 KING STUDIO-ADA-SHO UNIT REFLEC CEILING PLAN

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

NOTE:
LIFE SAFETY ALARMS AND STOBES SHOWN FOR HEARING IMPAIRED UNITS.
REFER TO BUILDING RCP FOR INDIVIDUAL UNIT PROVISIONS.

A A6.8 KING STUDIO-ADA-SHO UNIT FLOOR PLAN

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

NOTES

1. CONTRACTOR TO COORDINATE CASEGOODS/ FURNITURE/ MILLWORK WITH INTERIOR DESIGNER AND PLANS AND PROVIDE RESPECTIVE BLOCKINGS.

2. GUEST WINDOWS TO BE PROVIDED WITH DUAL MANUAL ROLLER SHADE TREATMENT MOUNTED IN WINDOW POCKET - BLOCKOUT ROLLER SHADE AND BLACKOUT CHANNELS TO BE INSTALLED AT WINDOW SIDE FLUSH AGAINST WINDOW MULLIONS. SHEER ROLLER SHADE INSTALLED AT ROOM SIDE. SHEER ROLLER SHADE INSTALLED AT ROOM SIDE. SWITCHED OPENING DEVICE IN ADA ROOMS. ALL WIRINGS MUST BE CONCEALED IN ACCESSIBLE GUESTROOM WINDOW TREATMENTS

3. FLOOR FINISH NOT PROVIDED UNDER PRE-MANUFACTURED SHOWER PAN. CONTRACTOR TO COORDINATE

4. GENERAL CONTRACTOR TO COORDINATE POWER/DATA AND TV LOCATIONS WITH FINAL CASE GOOD DRAWINGS

5. ALL OUTSIDE CORNERS WITHIN GUESTROOMS TO RECEIVE CORNER GUARDS

6. ILLUMINATED MIRROR MUST BE INSTALLED 1" ABOVE THE VANITY SHELF AT STANDARD GUESTROOMS.

7. REFER TO TRU BY HILTON INTERIOR SIGNAGE PACKAGE FOR BRAND GRAPHICS/SIGNAGE AT THIS LOCATION.

8. WALL MOUNTED GRAB BARS W/ REQUIRED CLEARANCES - 12" ABOVE AND 1 1/2" BELOW - SHALL COMPLY WITH ADA CODE REQUIREMENTS AND HADG.

9. ACCESSIBLE SHOWER THRESHOLD: TO BE 1/2" MAX HEIGHT; BEVELED 1:2 MAX. AND SHALL BE COMPLIANT WITH ADA CODES AND HADG REQUIREMENTS.

10. ACCESSIBLE REMOVABLE TUB/SHOWER SEAT SHALL BE ADA CODES AND HADG COMPLIANT.

11. ALL FLOOR DRAIN LOCATION SHALL MAINTAIN ADA COMPLIANT SLOPES TO DRAIN.

12. CLEARANCE FOR ADA SINK/VANITY SHALL COMPLY TO ADA CODES.

13. HAND HELD SHOWER HEAD TO HAVE NON-POSITIVE SHUT-OFF THAT REDUCES WATER FLOW TO A TRICKLE.

14. HAND HELD SHOWER MOUNTING CLIP - MOUNTED SO THAT AT 46" AFF MAXIMUM.

CEILING SCHEDULE

CEILING HEIGHT — CEILING TYPE

A	PRIMED & PAINTED GYPSUM BOARD
B	PRIMED & PAINTED GYP BD - MOISTURE RESISTANT

CENTER FIXTURE IN SPACE
- CENTER THE FIXTURE IN SPACE IDENTIFIED BY DIAGONAL LINE.

ALIGN FIXTURES
- ALIGN FIXTURES ALONG CENTERLINE SHOWN

CENTER OVER
- CENTER FIXTURE OVER CENTERLINE OF ADJACENT CONSTRUCTION

LIGHTING

L-15	6" LED RECESSED DOWNLIGHT @ GUEST SHOWER
L-16	6" LED RECESSED DOWNLIGHT @ GUEST BATH
L-17	4" LED RECESSED DOWNLIGHT @ GUESTROOM

RECESSED DOWNLIGHT
RECESSED DOWNLIGHT -UL WET LABELED
BATHROOM EXHAUST
DUPLEX OUTLET
QUADPLEX OUTLET
GFI OUTLET
DATA OUTLET
TV OUTLET
SWITCH
REMOTE THERMOSTAT
DOORBELL LIGHT (HEARING IMPAIRED ROOMS ONLY)
STROBE LIGHT (HEARING IMPAIRED ROOMS ONLY)
FIRE HORN & STROBE (HEARING IMPAIRED ROOMS ONLY)
FIRE HORN
SMOKE DETECTOR
SIDE WALL SPRINKLER HEAD

OWNER'S SUPPLY ITEMS

OS-010	REFRIGERATOR @ GUESTROOM
OS-011	TELEVISION @ GUESTROOM
OS-012	PHONE @ GUESTROOM
OS-013	ALARM CLOCK @ GUESTROOM
OS-014	IRON @ GUESTROOM
OS-015	IRONING BOARD @ GUESTROOM
OS-016	HANGERS @ GUESTROOM
OS-017	BULK AMENITIES @ GUEST BATH
OS-018	MATTRESSES @ GUESTROOM
OS-019	BEDDING @ GUESTROOM
OS-020	TISSUE HOLDER @ GUEST BATH
OS-021	WRAPPED CUPS @ GUEST BATH
OS-022	SHOWER CURTAIN @ ADA GUEST BATH

FINISH SCHEDULE

B	BASE
CD	CORNER GUARD
PT	PAINT
SPA	SPECIAL PAINT
T	TILE
VF	VINYL FLOORING
WC	WALL COVERING

FURNITURE SCHEDULE

BEDROOM

GR-102	TASK CHAIR @ GUESTROOM
GR-200	LUGGAGE BENCH @ LANDING ZONE
GR-201	ACCENT NIGHTSTAND @ KING
GR-206	BED BASE @ DOUBLE QUEEN GUESTROOM
GR-206.ADA	BED FRAME @ ADA DOUBLE QUEEN GUESTROOM
GR-207	BED BASE @ KING GUESTROOM
GR-207.ADA	BED FRAME @ ADA KING GUESTROOM
GR-213	LANDING ZONE FIXTURE**
GR-214	LANDING ZONE FIXTURE @ ADA GUESTROOMS**
GR-215	KING HEADBOARD**
GR-216	QUEEN HEADBOARD**
GR-217	KING NIGHTSTAND
GR-218	DOUBLE QUEEN NIGHTSTAND
GR-219	TV WALL UNIT WITH INTEGRATED POWER**
GR-220	LAMINATE WALL PANELS @ TV WALL
GR-221	STORAGE BENCH @ KING AND CONN GUESTROOMS
GR-222	ELONGATED STORAGE BENCH @ QQ GUESTROOMS
GR-223	MOBILE DESK
GR-702	KING BOX SPRING COVER
GR-703	QUEEN BOX SPRING COVER
GR-704	KING BEDSKIRT - ACCESIBLE
GR-705	QUEEN BEDSKIRT - ACCESIBLE
GR-801	WASTE BASKET @ GUESTROOMS

APPLIANCES

GR-304	BEDSIDE LAMP @ KING GUESTROOMS
GR-305	HEADBOARD SCONCE @ GUESTROOM
GR-306	FLOOR LAMP @ GUESTROOM
GR-307	WALL SCONCE @ FULL LENGTH MIRROR
GR-308	WALL SCONCE @ DESK
GR-309	BEDSIDE LAMP @ QQ GUESTROOM
GR-310	ACCESSIBLE HEADBOARD SCONCE @ GUESTROOM
GR-311	ACCESSIBLE WALL SCONCE @ DESK
GR-402	MANUAL ROLLER SHADE SET WITH BLACKOUT AND PRINTED SHEER
GR-403	MOTORIZED ROLLER SHADE SET @ ACC GUESTRM @ ACCESSIBLE GUESTROOMS
GR-601	FULL LENGTH MIRROR @ LANDING ZONE

BATHROOM

GR-211	VANITY @ GUEST BATH
GR-211.1	VANITY SHELF @ GUEST BATH**
GR-212	ACCESSIBLE VANITY @ ADA GUEST BATH
GR-212.1	ACCESSIBLE VANITY SHELF @ ADA GUEST BATH**
GR-600	ILLUMINATED MIRROR @ GUEST BATH**
GR-602	ILLUMINATED MIRROR @ ACCESSIBLE GUEST BATH**
GR-800	WASTE BASKET @ GUEST BATH
GR-803	WALL HOOK @ GUEST BATH**

BATHROOM FIXTURES & ACCESSORIES

PF-01	TOILET / WATERCLOSET
PF-02	34" X 48" SHOWER PAN
PF-03	SINK BASIN
PF-04	SINK FAUCET
PF-05	SHOWER HEAD
PF-06	SHOWER CONTROLS
PF-09	HAND SHOWER & DIVERTER CONTROL COMBO @ R.I.S
PF-10	ACCESSIBLE TUB
PF-11	HAND SHOWER & TUB CONTROL COMBO @ ACCESSIBLE TUB
TA-01	GLASS SHOWER ENCLOSURE @ GUEST SHOWER
TA-02	SHOWER SURROUND @ GUEST BATH
TA-03	DUAL TOILET PAPER HOLDER @ GUEST BATH
TA-04	FOOTREST @ GUEST SHOWER
TA-06	DECORATIVE GRAB BAR @ GUEST BATH SHOWER
TA-10	18" ACCESSIBLE GRAB BAR
TA-11	36" ACCESSIBLE GRAB BAR
TA-12	42" ACCESSIBLE GRAB BAR
TA-13	24" ACCESSIBLE GRAB BAR
TA-14	30" ACCESSIBLE GRAB BAR @ GUEST SHOWER/TUB
TA-15	36" ACCESSIBLE GRAB BAR @ GUEST SHOWER/TU
TA-16	TUB SURROUND @ ACCESSIBLE TUB
TA-17	STRAIGHT SHOWER ROD @ ADA ROLL-IN SHOWER
TA-18	CURVED SHOWER ROD @ ACCESSIBLE TUB
TA-19	FOLDING SHOWER SEAT @ ADA ROLL-IN SHOWER
TA-20	REMOVABLE SEAT @ ACCESSIBLE TUB
TA-22	TOWEL BAR @ ACCESSIBLE GUEST BATH/SHOWEI

**REQUIRES BLOCKING -
REFER TO MILLWORK BLOCKING DIAGRAM**

PERMIT SET
07-11-2024

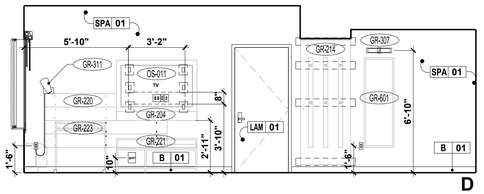
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HARTER - ADAMS P.A.
ARCHITECTS AND PLANNERS
377 MAITLAND AVE, SUITE 2010, ALTAMONTE SPRINGS, FL 32701
PHONE 407 647-5767 FAX 407 647-2062

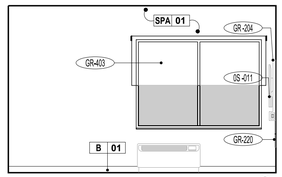
TRU HOTEL BY HILTON
RAJ PATEL
STUART, FLORIDA

Jacquin & Sons Construction Inc. CGC060473 — 30th ANNIVERSARY
Construction Manager

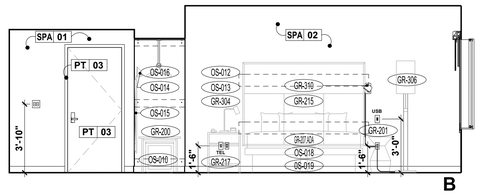
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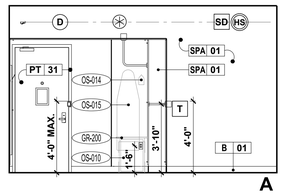
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C



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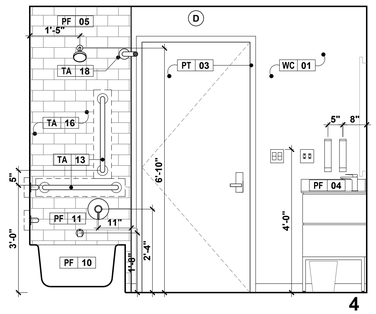


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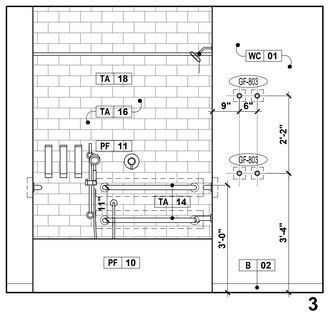
H A6.9 KING STUDIO-ADA-TUB INTERIOR ELEVATIONS

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

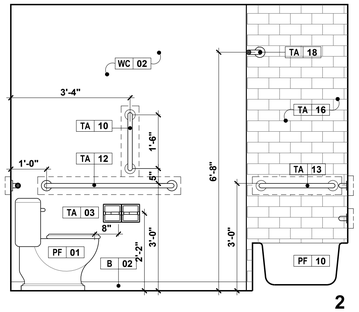
NOTE:
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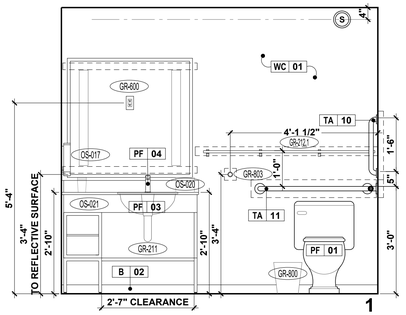
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3



2

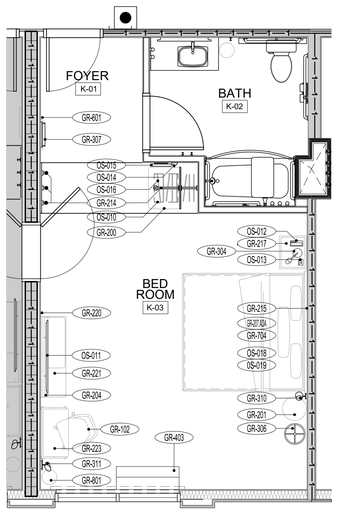


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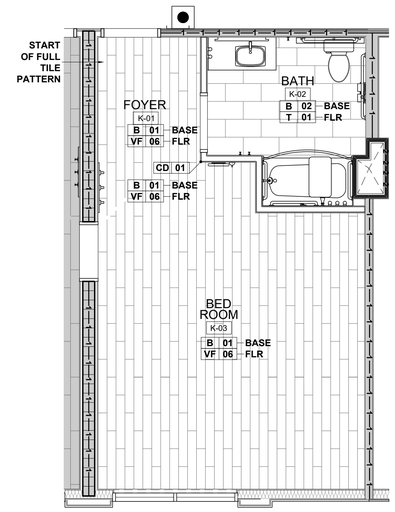
G A6.9 KING STUDIO-ADA-TUB BATHROOM ELEVATIONS

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

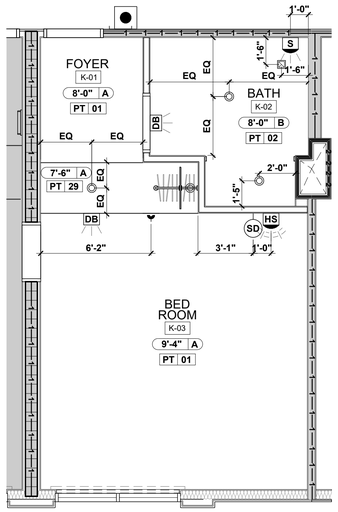
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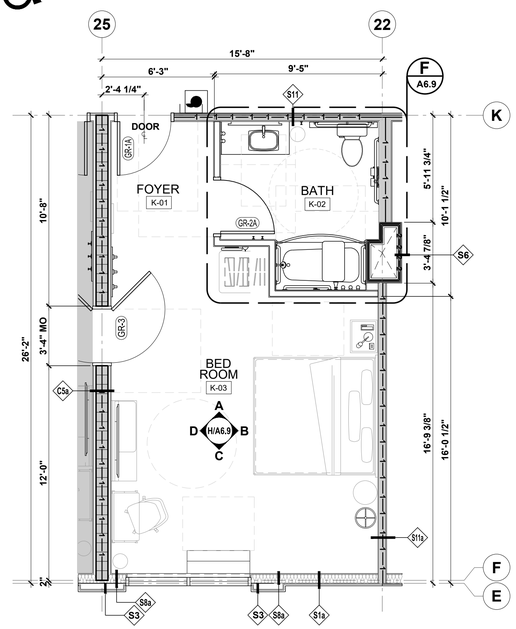
D



C



B



A

D A6.9 KING STUDIO-ADA-TUB UNIT FURNITURE PLAN

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

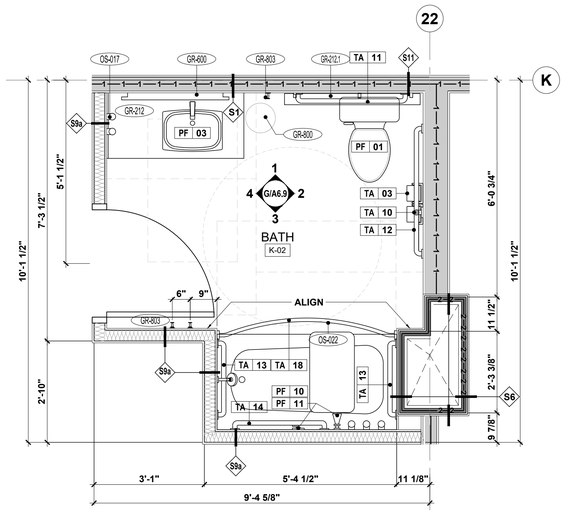
C A6.9 KING STUDIO-ADA-TUB UNIT FINISH PLAN

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

B A6.9 KING STUDIO-ADA-TUB UNIT REFL CEIL PLAN

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

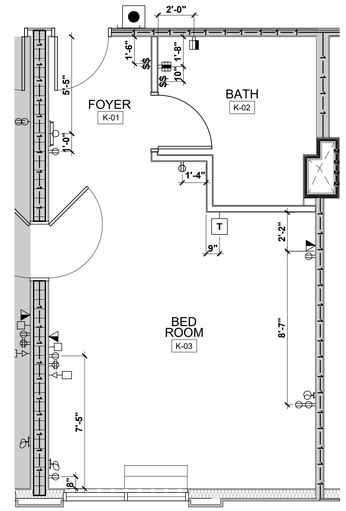
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K

E A6.9 KING STUDIO-ADA-TUB UNIT OUTLET PLAN

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



F A6.9 KING STUDIO-ADA-TUB UNIT BATHROOM PLAN

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

K

A NOTES

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2. GUEST WINDOWS TO BE PROVIDED WITH DUAL MANUAL ROLLER SHADE TREATMENT MOUNTED IN WINDOW POCKET - BLOCKOUT ROLLER SHADE AND BLACKOUT CHANNELS TO BE INSTALLED AT WINDOW SIDE FLUSH AGAINST WINDOW MULLIONS. SHEER ROLLER SHADE INSTALLED AT ROOM SIDE. SHEER ROLLER SHADE INSTALLED AT ROOM SIDE. SWITCHED OPENING DEVICE IN ADA ROOMS. ALL WIRINGS MUST BE CONCEALED IN ACCESSIBLE GUESTROOM WINDOW TREATMENTS

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9. ACCESSIBLE SHOWER THRESHOLD: TO BE 1/2" MAX HEIGHT; BEVELED 1:2 MAX. AND SHALL BE COMPLIANT WITH ADA CODES AND HADG REQUIREMENTS.

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14. HAND HELD SHOWER MOUNTING CLIP - MOUNTED SO THAT AT 46" AFF MAXIMUM.

CEILING SCHEDULE

CEILING HEIGHT	CEILING TYPE
A	PRIMED & PAINTED GYPSUM BOARD
B	PRIMED & PAINTED GYP BD - MOISTURE RESISTANT

CENTER FIXTURE IN SPACE
- CENTER THE FIXTURE IN SPACE IDENTIFIED BY DIAGONAL LINE.

ALIGN FIXTURES
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CENTER OVER
- CENTER FIXTURE OVER CENTERLINE OF ADJACENT CONSTRUCTION

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FIRE HORN
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SIDE WALL SPRINKLER HEAD

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FINISH SCHEDULE

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PT	PAINT
SPA	SPECIAL PAINT
T	TILE
VF	VINYL FLOORING
WC	WALL COVERING

FURNITURE SCHEDULE

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BATHROOM

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GR-211.1	VANITY SHELF @ GUEST BATH**
GR-212	ACCESSIBLE VANITY @ ADA GUEST BATH
GR-212.1	ACCESSIBLE VANITY SHELF @ ADA GUEST BATH**
GR-600	ILLUMINATED MIRROR @ GUEST BATH**
GR-602	ILLUMINATED MIRROR @ ACCESSIBLE GUEST BATH**
GR-800	WASTE BASKET @ GUEST BATH
GR-803	WALL HOOK @ GUEST BATH**

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**REQUIRES BLOCKING -
REFER TO MILLWORK BLOCKING DIAGRAM**

PERMIT SET
07-11-2024

AA C000606

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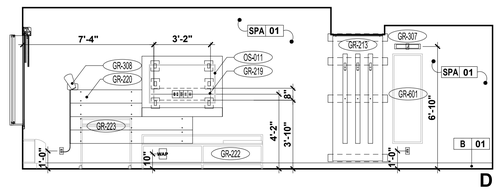
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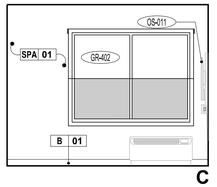
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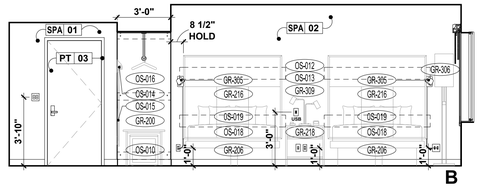
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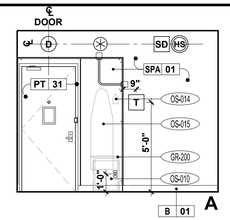
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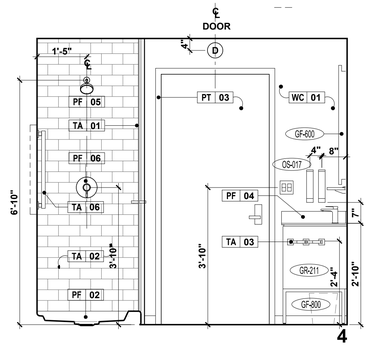
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H TYP QQ STUDIO UNIT INTERIOR ELEVATIONS

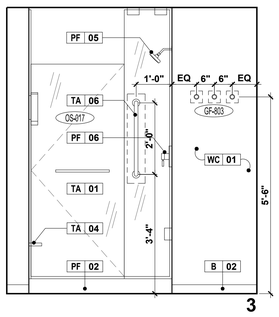
A6.10 **SCALE:** 1/4 " = 1'-0"

NOTE:

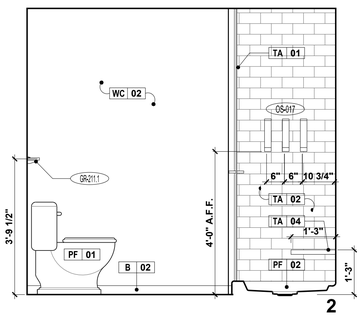
LIFE SAFETY ALARMS AND STOBES SHOWN FOR HEARING IMPAIRED UNITS. REFER TO BUILDING RCP FOR INDIVIDUAL UNIT PROVISIONS.



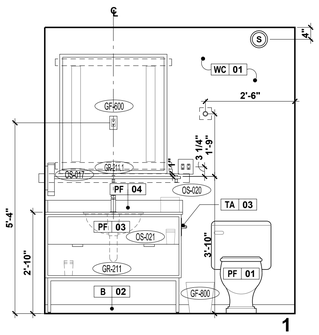
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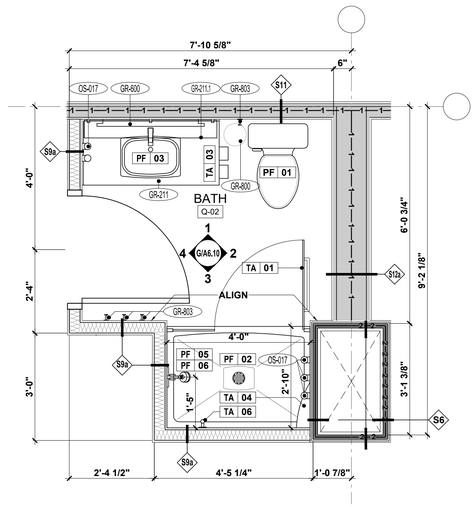
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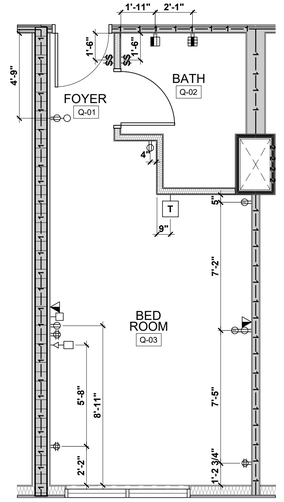
F TYP QQ STUDIO UNIT BATHROOM PLAN

A6.10 **SCALE:** 1/2 " = 1'-0"



E TYP QQ STUDIO UNIT OUTLET PLAN

A6.10 **SCALE:** 1/4 " = 1'-0"

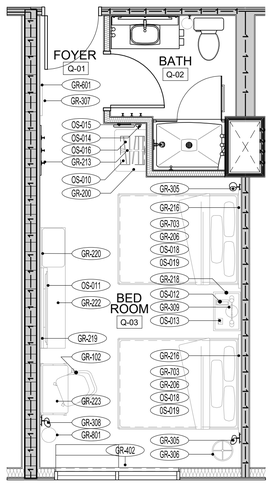


G TYP QQ STUDIO UNIT BATHROOM ELEVATIONS

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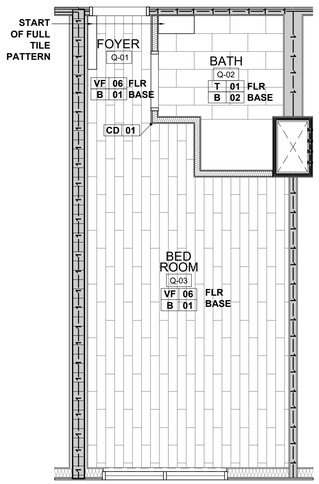
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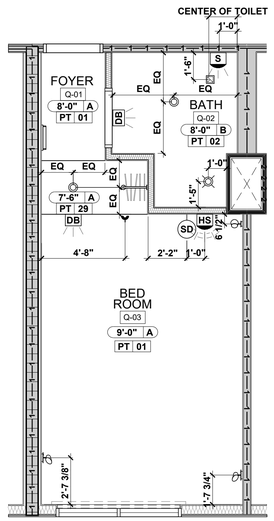
D TYP QQ STUDIO UNIT FURNITURE PLAN

A6.10 **SCALE:** 1/4 " = 1'-0"



C TYP QQ STUDIO UNIT FINISH PLAN

A6.10 **SCALE:** 1/4 " = 1'-0"

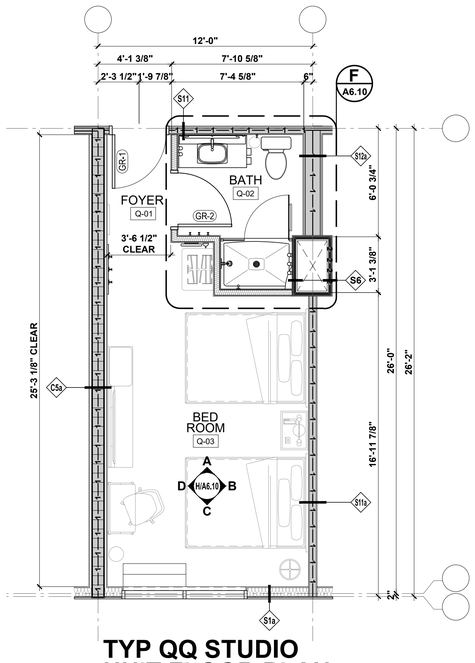


B TYP QQ STUDIO UNIT REFLECTED CEILING PLAN

A6.10 **SCALE:** 1/4 " = 1'-0"

NOTE:

LIFE SAFETY ALARMS AND STOBES SHOWN FOR HEARING IMPAIRED UNITS. REFER TO BUILDING RCP FOR INDIVIDUAL UNIT PROVISIONS.



A TYP QQ STUDIO UNIT FLOOR PLAN

A6.10 **SCALE:** 1/4 " = 1'-0"

NOTES

1. CONTRACTOR TO COORDINATE CASEGOODS/ FURNITURE/ MILLWORK WITH INTERIOR DESIGNER AND PLANS AND PROVIDE RESPECTIVE BLOCKINGS.

2. GUEST WINDOWS TO BE PROVIDED WITH DUAL MANUAL ROLLER SHADE TREATMENT MOUNTED IN WINDOW POCKET - BLOCKOUT ROLLER SHADE AND BLACKOUT CHANNELS TO BE INSTALLED AT WINDOW SIDE FLUSH AGAINST WINDOW MULLIONS. SHEER ROLLER SHADE INSTALLED AT ROOM SIDE. SHEER ROLLER SHADE INSTALLED AT ROOM SIDE. SWITCHED OPENING DEVICE IN ADA ROOMS. ALL WIRINGS MUST BE CONCEALED IN ACCESSIBLE GUESTROOM WINDOW TREATMENTS

3. FLOOR FINISH NOT PROVIDED UNDER PRE-MANUFACTURED SHOWER PAN. CONTRACTOR TO COORDINATE

4. GENERAL CONTRACTOR TO COORDINATE POWER/DATA AND TV LOCATIONS WITH FINAL CASE GOOD DRAWINGS

5. ALL OUTSIDE CORNERS WITHIN GUESTROOMS TO RECEIVE CORNER GUARDS

6. ILLUMINATED MIRROR MUST BE INSTALLED 1" ABOVE THE VANITY SHELF AT STANDARD GUESTROOMS.

7. REFER TO TRU BY HILTON INTERIOR SIGNAGE PACKAGE FOR BRAND GRAPHICS/SIGNAGE AT THIS LOCATION.

8. WALL MOUNTED GRAB BARS W/ REQUIRED CLEARANCES - 12" ABOVE AND 1 1/2" BELOW - SHALL COMPLY WITH ADA CODE REQUIREMENTS AND HADG.

9. ACCESSIBLE SHOWER THRESHOLD: TO BE 1/2" MAX HEIGHT; BEVELED 1:2 MAX, AND SHALL BE COMPLIANT WITH ADA CODES AND HADG REQUIREMENTS.

10. ACCESSIBLE REMOVABLE TUB/SHOWER SEAT SHALL BE ADA CODES AND HADG COMPLIANT.

11. ALL FLOOR DRAIN LOCATION SHALL MAINTAIN ADA COMPLIANT SLOPES TO DRAIN.

12. CLEARANCE FOR ADA SINK/VANITY SHALL COMPLY TO ADA CODES.

13. HAND HELD SHOWER HEAD TO HAVE NON-POSITIVE SHUT-OFF THAT REDUCES WATER FLOW TO A TRICKLE.

14. HAND HELD SHOWER MOUNTING CLIP - MOUNTED SO THAT AT 46" AFF MAXIMUM.

CEILING SCHEDULE

CEILING HEIGHT	CEILING TYPE
A	PRIMED & PAINTED GYPSUM BOARD
B	PRIMED & PAINTED GYP BD - MOISTURE RESISTANT

CENTER FIXTURE IN SPACE
- CENTER THE FIXTURE IN SPACE IDENTIFIED BY DIAGONAL LINE.

ALIGN FIXTURES
- ALIGN FIXTURES ALONG CENTERLINE SHOWN

CENTER OVER
- CENTER FIXTURE OVER CENTERLINE OF ADJACENT CONSTRUCTION

LIGHTING

L-15	6" LED RECESSED DOWNLIGHT @ GUEST SHOWER
L-16	6" LED RECESSED DOWNLIGHT @ GUEST BATH
L-17	4" LED RECESSED DOWNLIGHT @ GUESTROOM

RECESSED DOWNLIGHT
RECESSED DOWNLIGHT -UL WET LABELED
BATHROOM EXHAUST
DUPLEX OUTLET
QUADPLEX OUTLET
GFI OUTLET
DATA OUTLET
TV OUTLET
SWITCH
REMOTE THERMOSTAT
DOORBELL LIGHT (HEARING IMPAIRED ROOMS ONLY)
STROBE LIGHT (HEARING IMPAIRED ROOMS ONLY)
FIRE HORN & STROBE (HEARING IMPAIRED ROOMS ONLY)
FIRE HORN
SMOKE DETECTOR
SIDE WALL SPRINKLER HEAD

OWNER'S SUPPLY ITEMS

OS-010	REFRIGERATOR @ GUESTROOM
OS-011	TELEVISION @ GUESTROOM
OS-012	PHONE @ GUESTROOM
OS-013	ALARM CLOCK @ GUESTROOM
OS-014	IRON @ GUESTROOM
OS-015	IRONING BOARD @ GUESTROOM
OS-016	HANGERS @ GUESTROOM
OS-017	BULK AMENITIES @ GUEST BATH
OS-018	MATTRESSES @ GUESTROOM
OS-019	BEDDING @ GUESTROOM
OS-020	TISSUE HOLDER @ GUEST BATH
OS-021	WRAPPED CUPS @ GUEST BATH
OS-022	SHOWER CURTAIN @ ADA GUEST BATH

FINISH SCHEDULE

B	BASE
CD	CORNER GUARD
PT	PAINT
SPA	SPECIAL PAINT
T	TILE
VF	VINYL FLOORING
WC	WALL COVERING

FURNITURE SCHEDULE

BEDROOM

GR-102	TASK CHAIR @ GUESTROOM
GR-200	LUGGAGE BENCH @ LANDING ZONE
GR-201	ACCENT NIGHTSTAND @ KING
GR-206	BED BASE @ DOUBLE QUEEN GUESTROOM
GR-206.ADA	BED FRAME @ ADA DOUBLE QUEEN GUESTROOM
GR-207	BED BASE @ KING GUESTROOM
GR-207.ADA	BED FRAME @ ADA KING GUESTROOM
GR-213	LANDING ZONE FIXTURE**
GR-214	LANDING ZONE FIXTURE @ ADA GUESTROOMS**
GR-215	KING HEADBOARD**
GR-216	QUEEN HEADBOARD**
GR-217	KING NIGHTSTAND
GR-218	DOUBLE QUEEN NIGHTSTAND
GR-219	TV WALL UNIT WITH INTEGRATED POWER**
GR-220	LAMINATE WALL PANELS @ TV WALL
GR-221	STORAGE BENCH @ KING AND CONN GUESTROOMS
GR-222	ELONGATED STORAGE BENCH @ QQ GUESTROOMS
GR-223	MOBILE DESK
GR-702	KING BOX SPRING COVER
GR-703	QUEEN BOX SPRING COVER
GR-704	KING BEDSKIRT - ACCESIBLE
GR-705	QUEEN BEDSKIRT - ACCESIBLE
GR-801	WASTE BASKET @ GUESTROOMS

APPLIANCES

GR-304	BEDSIDE LAMP @ KING GUESTROOMS
GR-305	HEADBOARD SCONCE @ GUESTROOM
GR-306	FLOOR LAMP @ GUESTROOM
GR-307	WALL SCONCE @ FULL LENGTH MIRROR
GR-308	WALL SCONCE @ DESK
GR-309	BEDSIDE LAMP @ QQ GUESTROOM
GR-310	ACCESSIBLE HEADBOARD SCONCE @ GUESTROOM
GR-311	ACCESSIBLE WALL SCONCE @ DESK
GR-402	MANUAL ROLLER SHADE SET WITH BLACKOUT
	AND PRINTED SHEER
GR-403	MOTORIZED ROLLER SHADE SET @ ACC GUESTRM
	@ ACCESSIBLE GUESTROOMS
GR-601	FULL LENGTH MIRROR @ LANDING ZONE

BATHROOM

GR-211	VANITY @ GUEST BATH
GR-211.1	VANITY SHELF @ GUEST BATH**
GR-212	ACCESSIBLE VANITY @ ADA GUEST BATH
GR-212.1	ACCESSIBLE VANITY SHELF @ ADA GUEST BATH**
GR-600	ILLUMINATED MIRROR @ GUEST BATH**
GR-602	ILLUMINATED MIRROR @ ACCESSIBLE GUEST BATH**
GR-800	WASTE BASKET @ GUEST BATH
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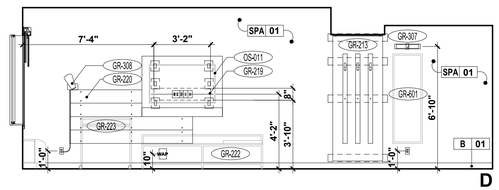
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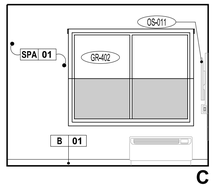
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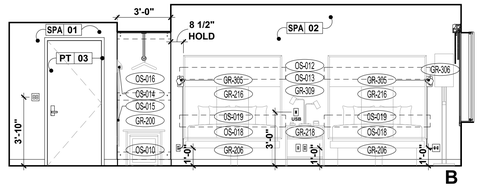
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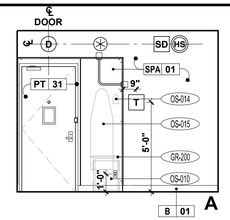
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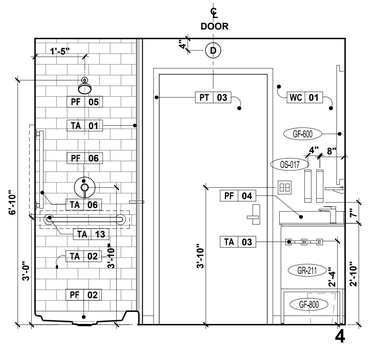
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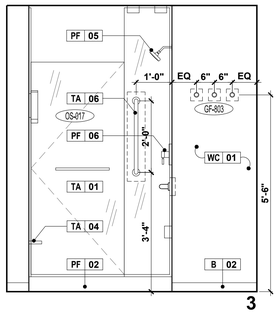
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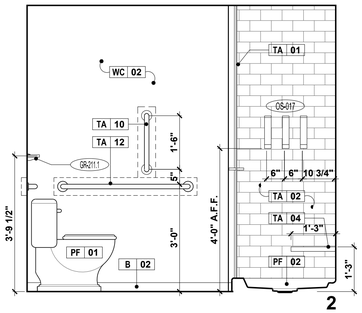
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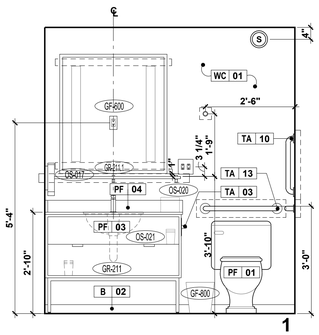
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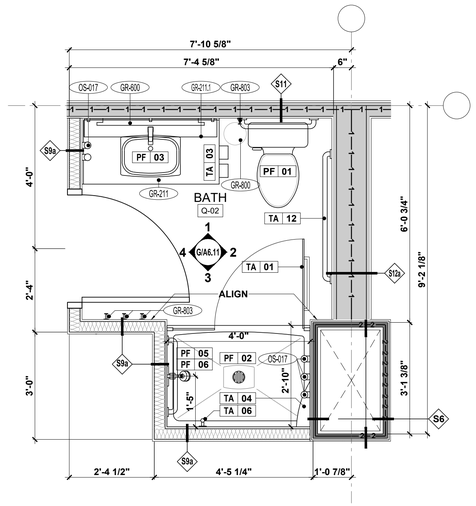
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H A6.11 TYP QQ STUDIO UNIT INTERIOR ELEVATIONS

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

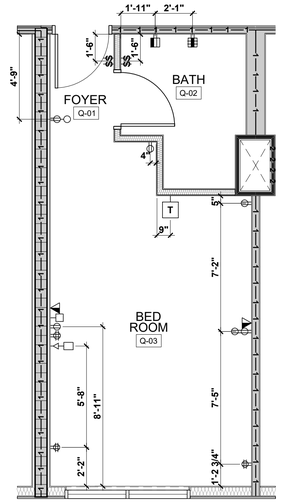
NOTE:

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F A6.11 TYP QQ STUDIO UNIT BATHROOM PLAN

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



E A6.11 TYP QQ STUDIO UNIT OUTLET PLAN

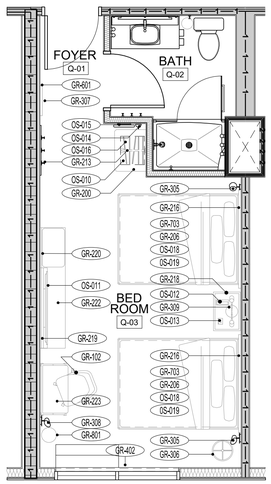
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SCALE: 1/2 " = 1'-0"

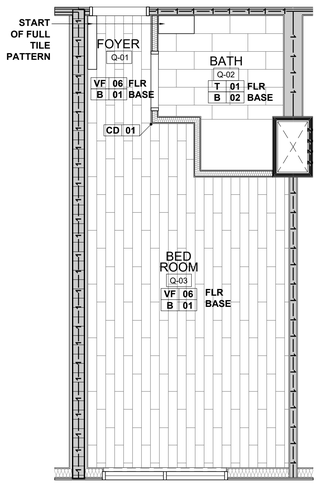
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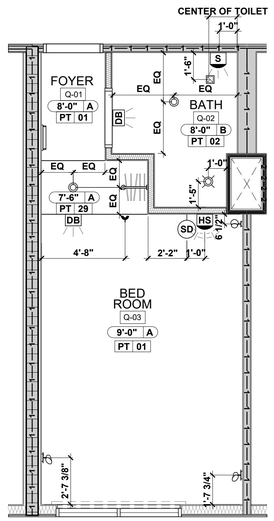
D A6.11 TYP QQ STUDIO UNIT FURNITURE PLAN

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



C A6.11 TYP QQ STUDIO UNIT FINISH PLAN

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

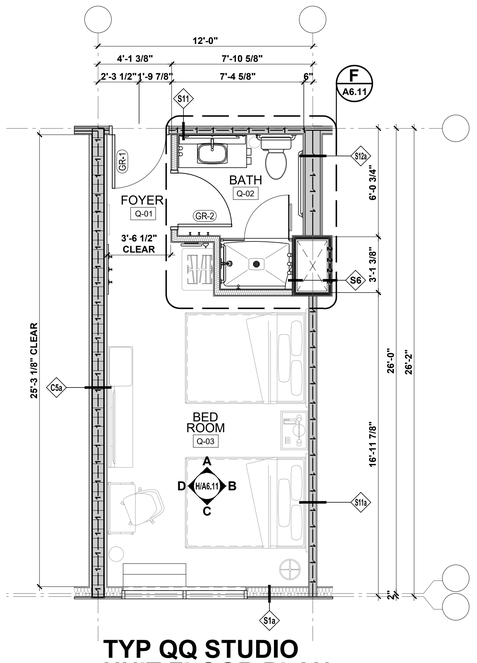


B A6.11 TYP QQ STUDIO UNIT REFLECTED CEILING PLAN

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

NOTE:

LIFE SAFETY ALARMS AND STOBES SHOWN FOR HEARING IMPAIRED UNITS. REFER TO BUILDING RCP FOR INDIVIDUAL UNIT PROVISIONS.



A A6.11 TYP QQ STUDIO UNIT FLOOR PLAN

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

NOTES

1. CONTRACTOR TO COORDINATE CASEGOODS/ FURNITURE/ MILLWORK WITH INTERIOR DESIGNER AND PLANS AND PROVIDE RESPECTIVE BLOCKINGS.

2. GUEST WINDOWS TO BE PROVIDED WITH DUAL MANUAL ROLLER SHADE TREATMENT MOUNTED IN WINDOW POCKET - BLOCKOUT ROLLER SHADE AND BLACKOUT CHANNELS TO BE INSTALLED AT WINDOW SIDE FLUSH AGAINST WINDOW MULLIONS. SHEER ROLLER SHADE INSTALLED AT ROOM SIDE. SHEER ROLLER SHADE INSTALLED AT ROOM SIDE. SWITCHED OPENING DEVICE IN ADA ROOMS, ALL WIRINGS MUST BE CONCEALED IN ACCESSIBLE GUESTROOM WINDOW TREATMENTS

3. FLOOR FINISH NOT PROVIDED UNDER PRE-MANUFACTURED SHOWER PAN. CONTRACTOR TO COORDINATE

4. GENERAL CONTRACTOR TO COORDINATE POWER/DATA AND TV LOCATIONS WITH FINAL CASE GOOD DRAWINGS

5. ALL OUTSIDE CORNERS WITHIN GUESTROOMS TO RECEIVE CORNER GUARDS

6. ILLUMINATED MIRROR MUST BE INSTALLED 1" ABOVE THE VANITY SHELF AT STANDARD GUESTROOMS.

7. REFER TO TRU BY HILTON INTERIOR SIGNAGE PACKAGE FOR BRAND GRAPHICS/SIGNAGE AT THIS LOCATION.

8. WALL MOUNTED GRAB BARS W/ REQUIRED CLEARANCES - 12" ABOVE AND 1 1/2" BELOW - SHALL COMPLY WITH ADA CODE REQUIREMENTS AND HADG.

9. ACCESSIBLE SHOWER THRESHOLD: TO BE 1/2" MAX HEIGHT; BEVELED 1:2 MAX, AND SHALL BE COMPLIANT WITH ADA CODES AND HADG REQUIREMENTS.

10. ACCESSIBLE REMOVABLE TUB/SHOWER SEAT SHALL BE ADA CODES AND HADG COMPLIANT.

11. ALL FLOOR DRAIN LOCATION SHALL MAINTAIN ADA COMPLIANT SLOPES TO DRAIN.

12. CLEARANCE FOR ADA SINK/VANITY SHALL COMPLY TO ADA CODES.

13. HAND HELD SHOWER HEAD TO HAVE NON-POSITIVE SHUT-OFF THAT REDUCES WATER FLOW TO A TRICKLE.

14. HAND HELD SHOWER MOUNTING CLIP - MOUNTED SO THAT AT 46" AFF MAXIMUM.

CEILING SCHEDULE

CEILING HEIGHT	CEILING TYPE
A	PRIMED & PAINTED GYPSUM BOARD
B	PRIMED & PAINTED GYP BD - MOISTURE RESISTANT

CENTER FIXTURE IN SPACE
- CENTER THE FIXTURE IN SPACE IDENTIFIED BY DIAGONAL LINE.

ALIGN FIXTURES
- ALIGN FIXTURES ALONG CENTERLINE SHOWN

CENTER OVER
- CENTER FIXTURE OVER CENTERLINE OF ADJACENT CONSTRUCTION

LIGHTING

L-15	6" LED RECESSED DOWNLIGHT @ GUEST SHOWER
L-16	6" LED RECESSED DOWNLIGHT @ GUEST BATH
L-17	4" LED RECESSED DOWNLIGHT @ GUESTROOM

RECESSED DOWNLIGHT
RECESSED DOWNLIGHT -UL WET LABELED
BATHROOM EXHAUST
DUPLEX OUTLET
QUADPLEX OUTLET
GFI OUTLET
DATA OUTLET
TV OUTLET
SWITCH
REMOTE THERMOSTAT
DOORBELL LIGHT (HEARING IMPAIRED ROOMS ONLY)
STROBE LIGHT (HEARING IMPAIRED ROOMS ONLY)
FIRE HORN & STROBE (HEARING IMPAIRED ROOMS ONLY)
FIRE HORN
SMOKE DETECTOR
SIDE WALL SPRINKLER HEAD

OWNER'S SUPPLY ITEMS

OS-010	REFRIGERATOR @ GUESTROOM
OS-011	TELEVISION @ GUESTROOM
OS-012	PHONE @ GUESTROOM
OS-013	ALARM CLOCK @ GUESTROOM
OS-014	IRON @ GUESTROOM
OS-015	IRONING BOARD @ GUESTROOM
OS-016	HANGERS @ GUESTROOM
OS-017	BULK AMENITIES @ GUEST BATH
OS-018	MATTRESSES @ GUESTROOM
OS-019	BEDDING @ GUESTROOM
OS-020	TISSUE HOLDER @ GUEST BATH
OS-021	WRAPPED CUPS @ GUEST BATH
OS-022	SHOWER CURTAIN @ ADA GUEST BATH

FINISH SCHEDULE

B	BASE
CD	CORNER GUARD
PT	PAINT
SPA	SPECIAL PAINT
T	TILE
VF	VINYL FLOORING
WC	WALL COVERING

FURNITURE SCHEDULE

BEDROOM

GR-102	TASK CHAIR @ GUESTROOM
GR-200	LUGGAGE BENCH @ LANDING ZONE
GR-201	ACCENT NIGHTSTAND @ KING
GR-206	BED BASE @ DOUBLE QUEEN GUESTROOM
GR-206.ADA	BED FRAME @ ADA DOUBLE QUEEN GUESTROOM
GR-207	BED BASE @ KING GUESTROOM
GR-207.ADA	BED FRAME @ ADA KING GUESTROOM
GR-213	LANDING ZONE FIXTURE**
GR-214	LANDING ZONE FIXTURE @ ADA GUESTROOMS**
GR-215	KING HEADBOARD**
GR-216	QUEEN HEADBOARD**
GR-217	KING NIGHTSTAND
GR-218	DOUBLE QUEEN NIGHTSTAND
GR-219	TV WALL UNIT WITH INTEGRATED POWER**
GR-220	LAMINATE WALL PANELS @ TV WALL
GR-221	STORAGE BENCH @ KING AND CONN GUESTROOMS
GR-222	ELONGATED STORAGE BENCH @ QQ GUESTROOMS
GR-223	MOBILE DESK
GR-702	KING BOX SPRING COVER
GR-703	QUEEN BOX SPRING COVER
GR-704	KING BEDSKIRT - ACCESIBLE
GR-705	QUEEN BEDSKIRT - ACCESIBLE
GR-801	WASTE BASKET @ GUESTROOMS

APPLIANCES

GR-304	BEDSIDE LAMP @ KING GUESTROOMS
GR-305	HEADBOARD SCONCE @ GUESTROOM
GR-306	FLOOR LAMP @ GUESTROOM
GR-307	WALL SCONCE @ FULL LENGTH MIRROR
GR-308	WALL SCONCE @ DESK
GR-309	BEDSIDE LAMP @ QQ GUESTROOM
GR-310	ACCESSIBLE HEADBOARD SCONCE @ GUESTROOM
GR-311	ACCESSIBLE WALL SCONCE @ DESK
GR-402	MANUAL ROLLER SHADE SET WITH BLACKOUT AND PRINTED SHEER
GR-403	MOTORIZED ROLLER SHADE SET @ ACC GUESTRM @ ACCESSIBLE GUESTROOMS
GR-601	FULL LENGTH MIRROR @ LANDING ZONE

BATHROOM

GR-211	VANITY @ GUEST BATH
GR-211.1	VANITY SHELF @ GUEST BATH**
GR-212	ACCESSIBLE VANITY @ ADA GUEST BATH
GR-212.1	ACCESSIBLE VANITY SHELF @ ADA GUEST BATH**
GR-600	ILLUMINATED MIRROR @ GUEST BATH**
GR-602	ILLUMINATED MIRROR @ ACCESSIBLE GUEST BATH**
GR-800	WASTE BASKET @ GUEST BATH
GR-803	WALL HOOK @ GUEST BATH**

BATHROOM FIXTURES & ACCESSORIES

PF-01	TOILET / WATERCLOSET
PF-02	34" X 48" SHOWER PAN
PF-03	SINK BASIN
PF-04	SINK FAUCET
PF-05	SHOWER HEAD
PF-06	SHOWER CONTROLS
PF-09	HAND SHOWER & DIVERTER CONTROL COMBO @ R.I.S
PF-10	ACCESSIBLE TUB
PF-11	HAND SHOWER & TUB CONTROL COMBO @ ACCESSIBLE TUB
TA-01	GLASS SHOWER ENCLOSURE @ GUEST SHOWER
TA-02	SHOWER SURROUND @ GUEST BATH
TA-03	DUAL TOILET PAPER HOLDER @ GUEST BATH
TA-04	FOOTREST @ GUEST SHOWER
TA-06	DECORATIVE GRAB BAR @ GUEST BATH SHOWER
TA-10	18" ACCESSIBLE GRAB BAR
TA-11	36" ACCESSIBLE GRAB BAR
TA-12	42" ACCESSIBLE GRAB BAR
TA-13	24" ACCESSIBLE GRAB BAR
TA-14	30" ACCESSIBLE GRAB BAR @ GUEST SHOWER/TUB
TA-15	36" ACCESSIBLE GRAB BAR @ GUEST SHOWER/TU
TA-16	TUB SURROUND @ ACCESSIBLE TUB
TA-17	STRAIGHT SHOWER ROD @ ADA ROLL-IN SHOWER
TA-18	CURVED SHOWER ROD @ ACCESSIBLE TUB
TA-19	FOLDING SHOWER SEAT @ ADA ROLL-IN SHOWER
TA-20	REMOVABLE SEAT @ ACCESSIBLE TUB
TA-22	TOWEL BAR @ ACCESSIBLE GUEST BATH/SHOWEI

**REQUIRES BLOCKING -
REFER TO MILLWORK BLOCKING DIAGRAM**

PERMIT SET
07-11-2024

AA C000606

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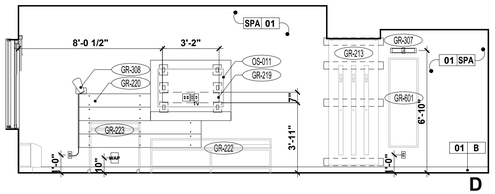
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Jacquin & Sons Construction Inc. CGC060477 30th ANNIVERSARY
Construction Manager

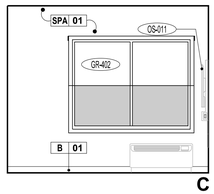
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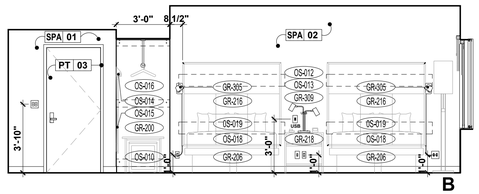
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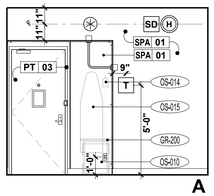
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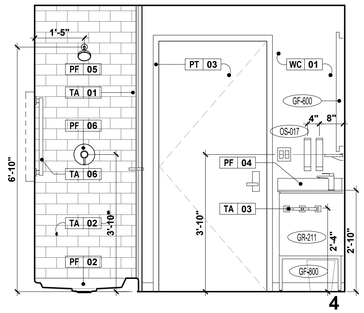


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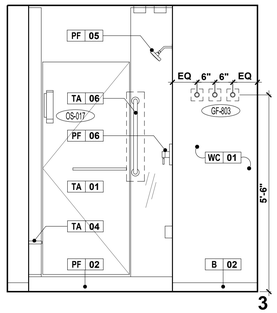
H A6.12 TYP QQ STUDIO CONNECT UNIT INTERIOR ELEVATIONS

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

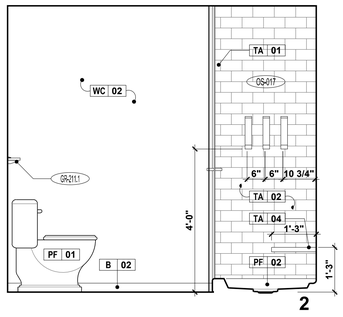
NOTE:
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REFER TO BUILDING RCP FOR INDIVIDUAL UNIT PROVISIONS.



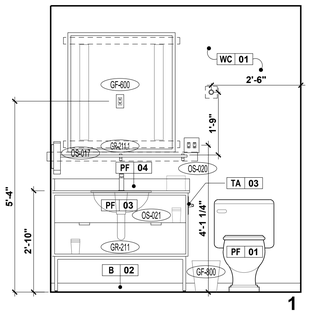
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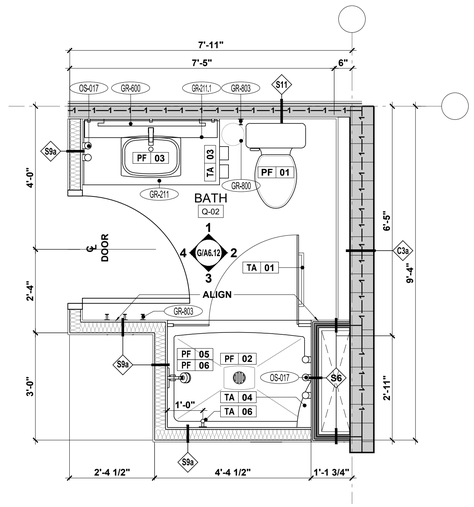
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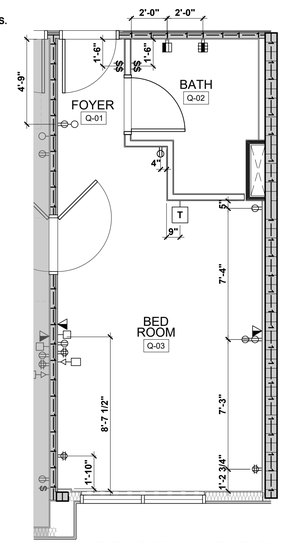
F A6.12 TYP QQ STUDIO CONNECT UNIT BATHROOM PLAN

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



E A6.12 TYP QQ STUDIO CONNECT UNIT OUTLET PLAN

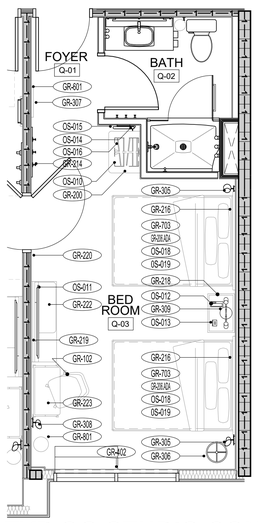
SCALE: 1/4 " = 1'-0"



G A6.12 TYP QQ STUDIO CONNECT UNIT BATHROOM ELEVATIONS

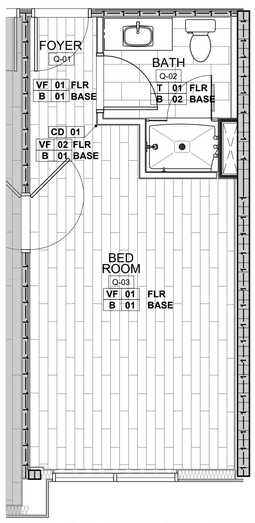
SCALE: 1/2 " = 1'-0"

NOTE:
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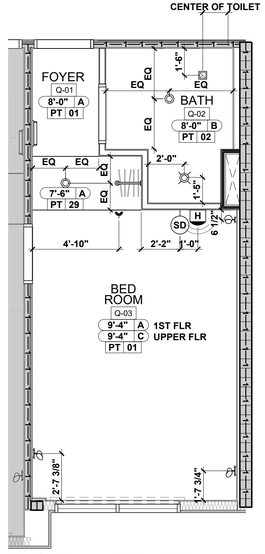
D A6.12 TYP QQ STUDIO CONNECT UNIT FURNITURE PLAN

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



C A6.12 TYP QQ STUDIO CONNECT UNIT FINISH PLAN

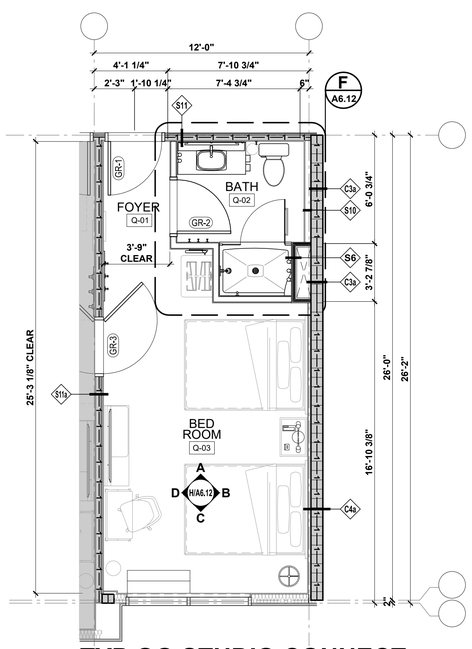
SCALE: 1/4 " = 1'-0"



B A6.12 TYP QQ STUDIO CONNECT UNIT REFLECTED CEILING PLAN

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

NOTE:
LIFE SAFETY ALARMS AND STOBES SHOWN FOR HEARING IMPAIRED UNITS.
REFER TO BUILDING RCP FOR INDIVIDUAL UNIT PROVISIONS.



A A6.12 TYP QQ STUDIO CONNECT UNIT FLOOR PLAN

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

NOTES

1. CONTRACTOR TO COORDINATE CASEGOODS/ FURNITURE/ MILLWORK WITH INTERIOR DESIGNER AND PLANS AND PROVIDE RESPECTIVE BLOCKINGS.

2. GUEST WINDOWS TO BE PROVIDED WITH DUAL MANUAL ROLLER SHADE TREATMENT MOUNTED IN WINDOW POCKET - BLOCKOUT ROLLER SHADE AND BLACKOUT CHANNELS TO BE INSTALLED AT WINDOW SIDE FLUSH AGAINST WINDOW MULLIONS. SHEER ROLLER SHADE INSTALLED AT ROOM SIDE. SHEER ROLLER SHADE INSTALLED AT ROOM SIDE. SWITCHED OPENING DEVICE IN ADA ROOMS. ALL WIRINGS MUST BE CONCEALED IN ACCESSIBLE GUESTROOM WINDOW TREATMENTS

3. FLOOR FINISH NOT PROVIDED UNDER PRE-MANUFACTURED SHOWER PAN. CONTRACTOR TO COORDINATE

4. GENERAL CONTRACTOR TO COORDINATE POWER/DATA AND TV LOCATIONS WITH FINAL CASE GOOD DRAWINGS

5. ALL OUTSIDE CORNERS WITHIN GUESTROOMS TO RECEIVE CORNER GUARDS

6. ILLUMINATED MIRROR MUST BE INSTALLED 1" ABOVE THE VANITY SHELF AT STANDARD GUESTROOMS.

7. REFER TO TRU BY HILTON INTERIOR SIGNAGE PACKAGE FOR BRAND GRAPHICS/SIGNAGE AT THIS LOCATION.

8. WALL MOUNTED GRAB BARS W/ REQUIRED CLEARANCES - 12" ABOVE AND 1 1/2" BELOW - SHALL COMPLY WITH ADA CODE REQUIREMENTS AND HADG.

9. ACCESSIBLE SHOWER THRESHOLD: TO BE 1/2" MAX HEIGHT; BEVELED 1:2 MAX. AND SHALL BE COMPLIANT WITH ADA CODES AND HADG REQUIREMENTS.

10. ACCESSIBLE REMOVABLE TUB/SHOWER SEAT SHALL BE ADA CODES AND HADG COMPLIANT.

11. ALL FLOOR DRAIN LOCATION SHALL MAINTAIN ADA COMPLIANT SLOPES TO DRAIN.

12. CLEARANCE FOR ADA SINK/VANITY SHALL COMPLY TO ADA CODES.

13. HAND HELD SHOWER HEAD TO HAVE NON-POSITIVE SHUT-OFF THAT REDUCES WATER FLOW TO A TRICKLE.

14. HAND HELD SHOWER MOUNTING CLIP - MOUNTED SO THAT AT 46" AFF MAXIMUM.

CEILING SCHEDULE

CEILING HEIGHT — CEILING TYPE

A	PRIMED & PAINTED GYPSUM BOARD
B	PRIMED & PAINTED GYP BD - MOISTURE RESISTANT

CENTER FIXTURE IN SPACE
- CENTER THE FIXTURE IN SPACE IDENTIFIED BY DIAGONAL LINE.

ALIGN FIXTURES
- ALIGN FIXTURES ALONG CENTERLINE SHOWN

CENTER OVER
- CENTER FIXTURE OVER CENTERLINE OF ADJACENT CONSTRUCTION

LIGHTING

L-15	6" LED RECESSED DOWNLIGHT @ GUEST SHOWER
L-16	6" LED RECESSED DOWNLIGHT @ GUEST BATH
L-17	4" LED RECESSED DOWNLIGHT @ GUESTROOM

RECESSED DOWNLIGHT
RECESSED DOWNLIGHT -UL WET LABELED
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FINISH SCHEDULE

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CD	CORNER GUARD
PT	PAINT
SPA	SPECIAL PAINT
T	TILE
VF	VINYL FLOORING
WC	WALL COVERING

FURNITURE SCHEDULE

BEDROOM

GR-102	TASK CHAIR @ GUESTROOM
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BATHROOM

GR-211	VANITY @ GUEST BATH
GR-211.1	VANITY SHELF @ GUEST BATH**
GR-212	ACCESSIBLE VANITY @ ADA GUEST BATH
GR-212.1	ACCESSIBLE VANITY SHELF @ ADA GUEST BATH**
GR-600	ILLUMINATED MIRROR @ GUEST BATH**
GR-602	ILLUMINATED MIRROR @ ACCESSIBLE GUEST BATH**
GR-800	WASTE BASKET @ GUEST BATH
GR-803	WALL HOOK @ GUEST BATH**

BATHROOM FIXTURES & ACCESSORIES

PF-01	TOILET / WATERCLOSET
PF-02	34" X 48" SHOWER PAN
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PF-04	SINK FAUCET
PF-05	SHOWER HEAD
PF-06	SHOWER CONTROLS
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**REQUIRES BLOCKING -
REFER TO MILLWORK BLOCKING DIAGRAM**

PERMIT SET
07-11-2024

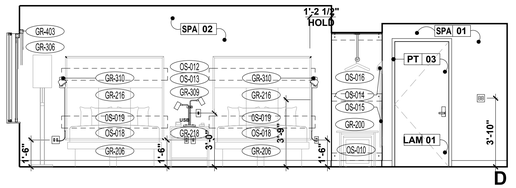
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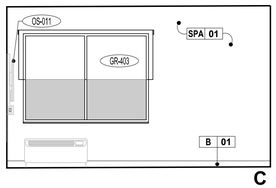
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RAJ PATEL
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Jacquin & Sons Construction Inc. CGC060473 80th ANNIVERSARY
Construction Manager

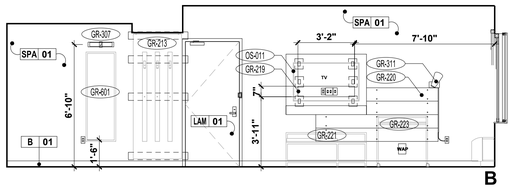
JOB NO. 22039
DATE 07-11-2024
SHEET A6.12



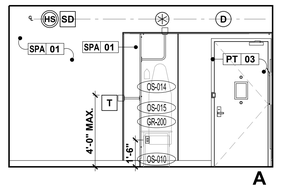
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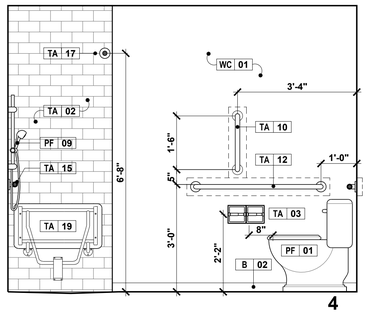


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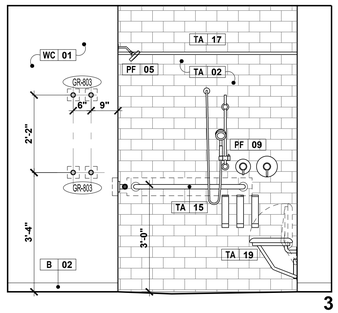
H A6.13 TYP QQ-STUDIO-ADA-SHO UNIT INTERIOR ELEVATIONS

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

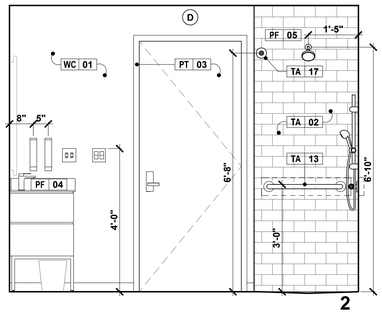
NOTE: LIFE SAFETY ALARMS AND STOBES SHOWN FOR HEARING IMPAIRED UNITS. REFER TO BUILDING RCP FOR INDIVIDUAL UNIT PROVISIONS.



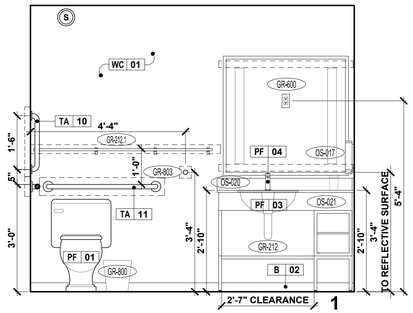
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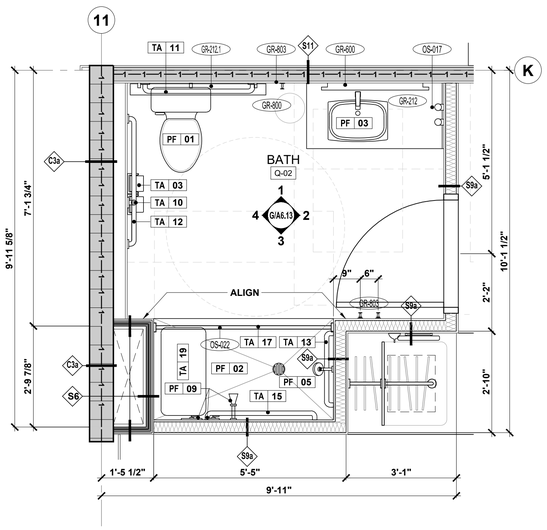
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G A6.13 TYP QQ-STUDIO-ADA-SHO UNIT BATHROOM ELEVATIONS

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

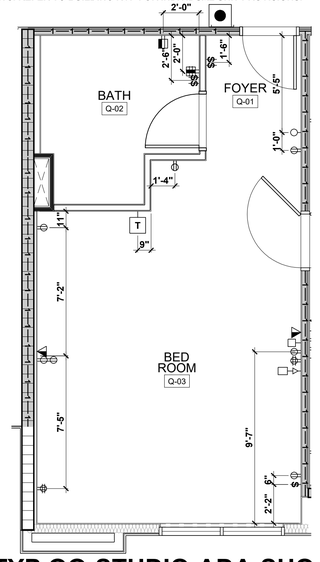
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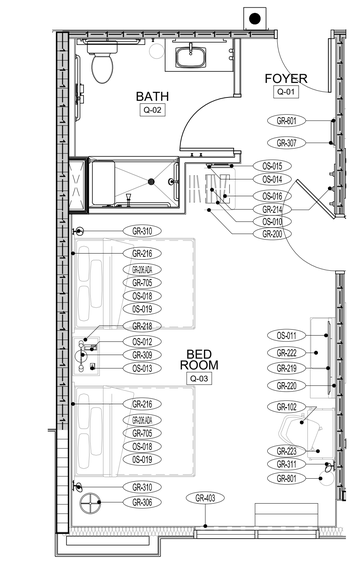
F A6.13 TYP QQ-STUDIO-ADA-SHO UNIT BATHROOM PLAN

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



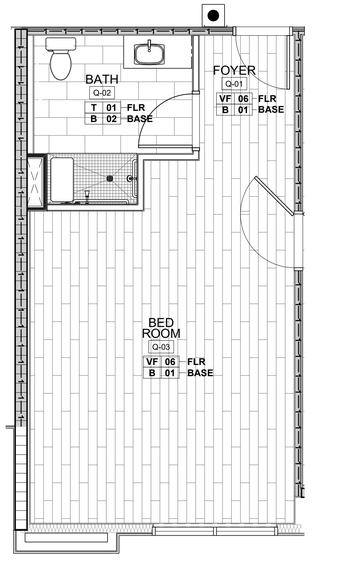
E A6.13 TYP QQ-STUDIO-ADA-SHO UNIT OUTLET PLAN

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



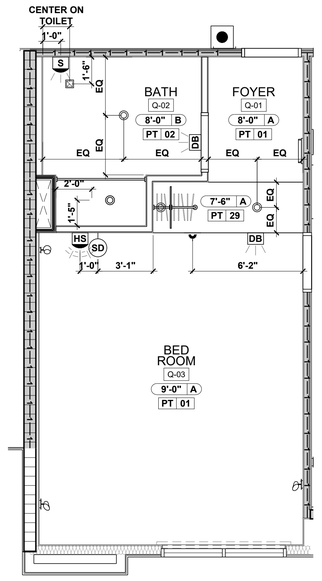
D A6.13 TYP QQ-STUDIO-ADA-SHO UNIT FURNITURE PLAN

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



C A6.13 TYP QQ-STUDIO-ADA-SHO UNIT FINISH PLAN

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

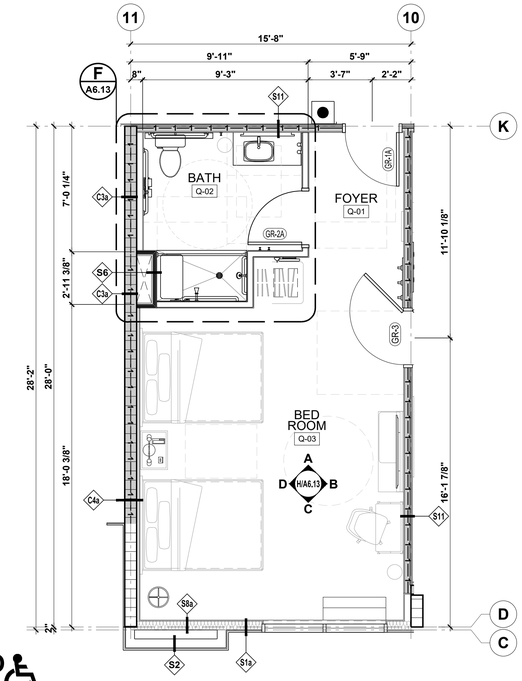


B A6.13 TYP QQ-STUDIO-ADA-SHO UNIT REFLEC CEIL PLAN

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

NOTE:

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A A6.13 TYP QQ-STUDIO-ADA-SHO UNIT FLOOR PLAN

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

NOTES

1. CONTRACTOR TO COORDINATE CASEGOODS/ FURNITURE/ MILLWORK WITH INTERIOR DESIGNER AND PLANS AND PROVIDE RESPECTIVE BLOCKINGS.

2. GUEST WINDOWS TO BE PROVIDED WITH DUAL MANUAL ROLLER SHADE TREATMENT MOUNTED IN WINDOW POCKET - BLOCKOUT ROLLER SHADE AND BLACKOUT CHANNELS TO BE INSTALLED AT WINDOW SIDE FLUSH AGAINST WINDOW MULLIONS. SHEER ROLLER SHADE INSTALLED AT ROOM SIDE. SHEER ROLLER SHADE INSTALLED AT ROOM SIDE. SWITCHED OPENING DEVICE IN ADA ROOMS. ALL WIRINGS MUST BE CONCEALED IN ACCESSIBLE GUESTROOM WINDOW TREATMENTS

3. FLOOR FINISH NOT PROVIDED UNDER PRE-MANUFACTURED SHOWER PAN. CONTRACTOR TO COORDINATE

4. GENERAL CONTRACTOR TO COORDINATE POWER/DATA AND TV LOCATIONS WITH FINAL CASE GOOD DRAWINGS

5. ALL OUTSIDE CORNERS WITHIN GUESTROOMS TO RECEIVE CORNER GUARDS

6. ILLUMINATED MIRROR MUST BE INSTALLED 1" ABOVE THE VANITY SHELF AT STANDARD GUESTROOMS.

7. REFER TO TRU BY HILTON INTERIOR SIGNAGE PACKAGE FOR BRAND GRAPHICS/SIGNAGE AT THIS LOCATION.

8. WALL MOUNTED GRAB BARS W/ REQUIRED CLEARANCES - 12" ABOVE AND 1 1/2" BELOW - SHALL COMPLY WITH ADA CODE REQUIREMENTS AND HADG.

9. ACCESSIBLE SHOWER THRESHOLD: TO BE 1/2" MAX HEIGHT; BEVELED 1:2 MAX, AND SHALL BE COMPLIANT WITH ADA CODES AND HADG REQUIREMENTS.

10. ACCESSIBLE REMOVABLE TUB/SHOWER SEAT SHALL BE ADA CODES AND HADG COMPLIANT.

11. ALL FLOOR DRAIN LOCATION SHALL MAINTAIN ADA COMPLIANT SLOPES TO DRAIN.

12. CLEARANCE FOR ADA SINK/VANITY SHALL COMPLY TO ADA CODES.

13. HAND HELD SHOWER HEAD TO HAVE NON-POSITIVE SHUT-OFF THAT REDUCES WATER FLOW TO A TRICKLE.

14. HAND HELD SHOWER MOUNTING CLIP - MOUNTED SO THAT AT 46" AFF MAXIMUM.

CEILING SCHEDULE

CEILING HEIGHT	CEILING TYPE
A	PRIMED & PAINTED GYPSUM BOARD
B	PRIMED & PAINTED GYP BD - MOISTURE RESISTANT

CENTER FIXTURE IN SPACE
- CENTER THE FIXTURE IN SPACE IDENTIFIED BY DIAGONAL LINE.

ALIGN FIXTURES
- ALIGN FIXTURES ALONG CENTERLINE SHOWN

CENTER OVER
- CENTER FIXTURE OVER CENTERLINE OF ADJACENT CONSTRUCTION

LIGHTING

L-15	6" LED RECESSED DOWNLIGHT @ GUEST SHOWER
L-16	6" LED RECESSED DOWNLIGHT @ GUEST BATH
L-17	4" LED RECESSED DOWNLIGHT @ GUESTROOM

RECESSED DOWNLIGHT
RECESSED DOWNLIGHT -UL WET LABELED
BATHROOM EXHAUST
DUPLEX OUTLET
QUADPLEX OUTLET
GFI OUTLET
DATA OUTLET
TV OUTLET
SWITCH
REMOTE THERMOSTAT
DOORBELL LIGHT (HEARING IMPAIRED ROOMS ONLY)
STROBE LIGHT (HEARING IMPAIRED ROOMS ONLY)
FIRE HORN & STROBE (HEARING IMPAIRED ROOMS ONLY)
FIRE HORN
SMOKE DETECTOR
SIDE WALL SPRINKLER HEAD

OWNER'S SUPPLY ITEMS

OS-010	REFRIGERATOR @ GUESTROOM
OS-011	TELEVISION @ GUESTROOM
OS-012	PHONE @ GUESTROOM
OS-013	ALARM CLOCK @ GUESTROOM
OS-014	IRON @ GUESTROOM
OS-015	IRONING BOARD @ GUESTROOM
OS-016	HANGERS @ GUESTROOM
OS-017	BULK AMENITIES @ GUEST BATH
OS-018	MATTRESSES @ GUESTROOM
OS-019	BEDDING @ GUESTROOM
OS-020	TISSUE HOLDER @ GUEST BATH
OS-021	WRAPPED CUPS @ GUEST BATH
OS-022	SHOWER CURTAIN @ ADA GUEST BATH

FINISH SCHEDULE

B	BASE
CD	CORNER GUARD
PT	PAINT
SPA	SPECIAL PAINT
T	TILE
VF	VINYL FLOORING
WC	WALL COVERING

FURNITURE SCHEDULE

BEDROOM

GR-102	TASK CHAIR @ GUESTROOM
GR-200	LUGGAGE BENCH @ LANDING ZONE
GR-201	ACCENT NIGHTSTAND @ KING
GR-206	BED BASE @ DOUBLE QUEEN GUESTROOM
GR-206.ADA	BED FRAME @ ADA DOUBLE QUEEN GUESTROOM
GR-207	BED BASE @ KING GUESTROOM
GR-207.ADA	BED FRAME @ ADA KING GUESTROOM
GR-213	LANDING ZONE FIXTURE**
GR-214	LANDING ZONE FIXTURE @ ADA GUESTROOMS**
GR-215	KING HEADBOARD**
GR-216	QUEEN HEADBOARD**
GR-217	KING NIGHTSTAND
GR-218	DOUBLE QUEEN NIGHTSTAND
GR-219	TV WALL UNIT WITH INTEGRATED POWER**
GR-220	LAMINATE WALL PANELS @ TV WALL
GR-221	STORAGE BENCH @ KING AND CONN GUESTROOMS
GR-222	ELONGATED STORAGE BENCH @ QQ GUESTROOMS
GR-223	MOBILE DESK
GR-702	KING BOX SPRING COVER
GR-703	QUEEN BOX SPRING COVER
GR-704	KING BEDSKIRT - ACCESIBLE
GR-705	QUEEN BEDSKIRT - ACCESIBLE
GR-801	WASTE BASKET @ GUESTROOMS

APPLIANCES

GR-304	BEDSIDE LAMP @ KING GUESTROOMS
GR-305	HEADBOARD SCONCE @ GUESTROOM
GR-306	FLOOR LAMP @ GUESTROOM
GR-307	WALL SCONCE @ FULL LENGTH MIRROR
GR-308	WALL SCONCE @ DESK
GR-309	BEDSIDE LAMP @ QQ GUESTROOM
GR-310	ACCESSIBLE HEADBOARD SCONCE @ GUESTROOM
GR-311	ACCESSIBLE WALL SCONCE @ DESK
GR-402	MANUAL ROLLER SHADE SET WITH BLACKOUT AND PRINTED SHEER
GR-403	MOTORIZED ROLLER SHADE SET @ ACC GUESTRM @ ACCESSIBLE GUESTROOMS
GR-601	FULL LENGTH MIRROR @ LANDING ZONE

BATHROOM

GR-211	VANITY @ GUEST BATH
GR-211.1	VANITY SHELF @ GUEST BATH**
GR-212	ACCESSIBLE VANITY @ ADA GUEST BATH
GR-212.1	ACCESSIBLE VANITY SHELF @ ADA GUEST BATH**
GR-600	ILLUMINATED MIRROR @ GUEST BATH**
GR-602	ILLUMINATED MIRROR @ ACCESSIBLE GUEST BATH**
GR-800	WASTE BASKET @ GUEST BATH
GR-803	WALL HOOK @ GUEST BATH**

BATHROOM FIXTURES & ACCESSORIES

PF-01	TOILET / WATERCLOSET
PF-02	34" X 48" SHOWER PAN
PF-03	SINK BASIN
PF-04	SINK FAUCET
PF-05	SHOWER HEAD
PF-06	SHOWER CONTROLS
PF-09	HAND SHOWER & DIVERTER CONTROL COMBO @ R.I.S
PF-10	ACCESSIBLE TUB
PF-11	HAND SHOWER & TUB CONTROL COMBO @ ACCESSIBLE TUB
TA-01	GLASS SHOWER ENCLOSURE @ GUEST SHOWER
TA-02	SHOWER SURROUND @ GUEST BATH
TA-03	DUAL TOILET PAPER HOLDER @ GUEST BATH
TA-04	FOOTREST @ GUEST SHOWER
TA-06	DECORATIVE GRAB BAR @ GUEST BATH SHOWER
TA-10	18" ACCESSIBLE GRAB BAR
TA-11	36" ACCESSIBLE GRAB BAR
TA-12	42" ACCESSIBLE GRAB BAR
TA-13	24" ACCESSIBLE GRAB BAR
TA-14	30" ACCESSIBLE GRAB BAR @ GUEST SHOWER/TUB
TA-15	36" ACCESSIBLE GRAB BAR @ GUEST SHOWER/TU
TA-16	TUB SURROUND @ ACCESSIBLE TUB
TA-17	STRAIGHT SHOWER ROD @ ADA ROLL-IN SHOWER
TA-18	CURVED SHOWER ROD @ ACCESSIBLE TUB
TA-19	FOLDING SHOWER SEAT @ ADA ROLL-IN SHOWER
TA-20	REMOVABLE SEAT @ ACCESSIBLE TUB
TA-22	TOWEL BAR @ ACCESSIBLE GUEST BATH/SHOWEI

REQUIRES BLOCKING - REFER TO MILLWORK BLOCKING DIAGRAM

PERMIT SET
07-11-2024

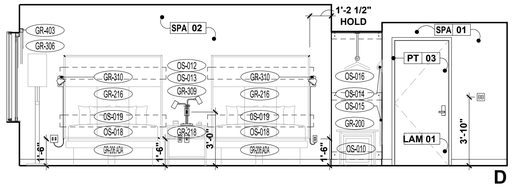
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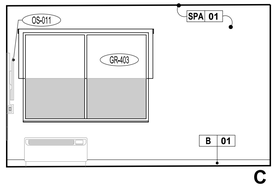
HARTER - ADAMS P.A.
ARCHITECTS AND PLANNERS
377 MAITLAND AVE, SUITE 2010, ALTAMONTE SPRINGS, FL 32701
PHONE 407 647-5767 FAX 407 647-2062

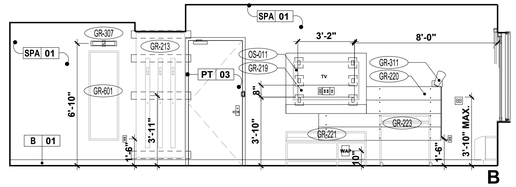
TRU HOTEL BY HILTON
RAJ PATEL
STUART, FLORIDA

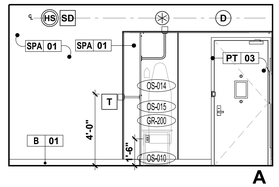
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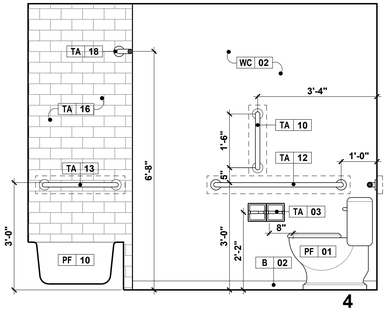


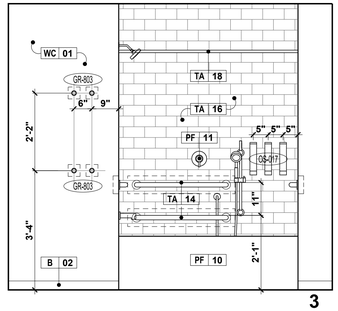


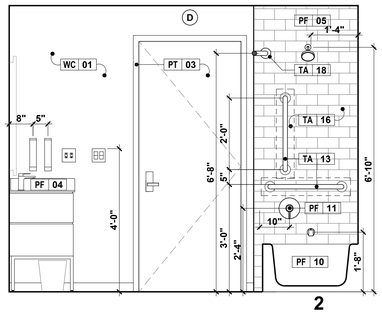
H A6.14 TYP QQ-STUDIO-ADA-TUB UNIT INTERIOR ELEVATIONS

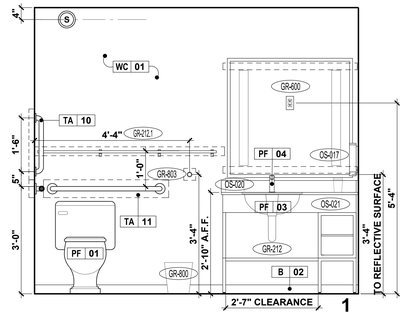
SCALE: 1/4 " = 1'-0"

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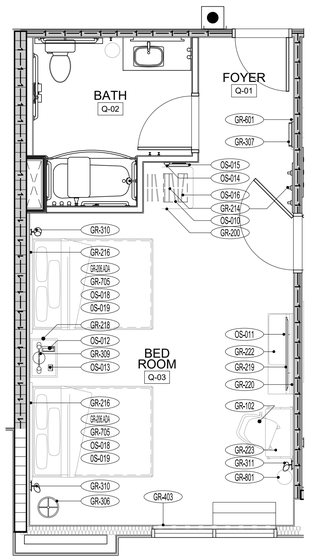




G A6.14 TYP QQ-STUDIO-ADA-TUB UNIT BATHROOM ELEVATIONS

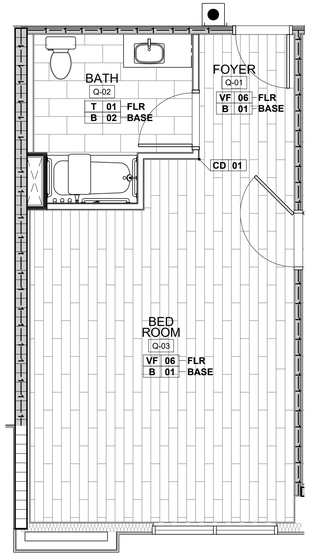
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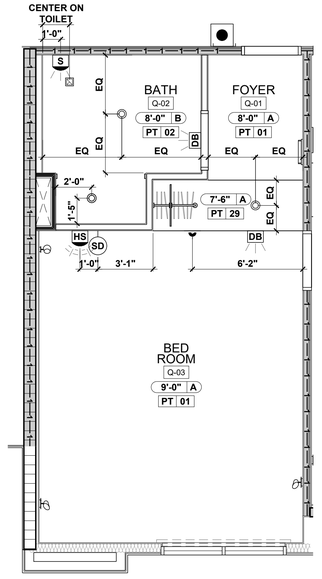
D A6.14 TYP QQ-STUDIO-ADA-TUB UNIT FURNITURE PLAN

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



C A6.14 TYP QQ-STUDIO-ADA-TUB UNIT FINISH PLAN

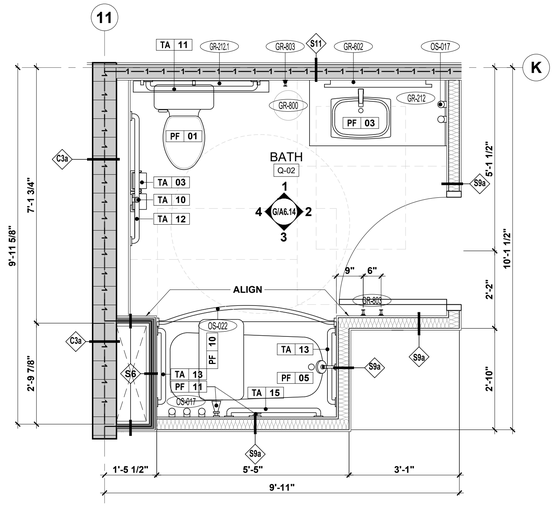
SCALE: 1/4 " = 1'-0"



B A6.14 TYP QQ-STUDIO-ADA-TUB UNIT REFLEC CEIL PLAN

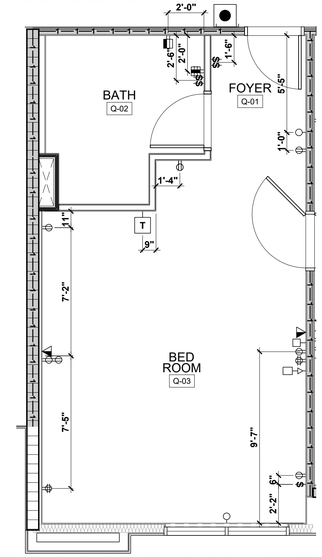
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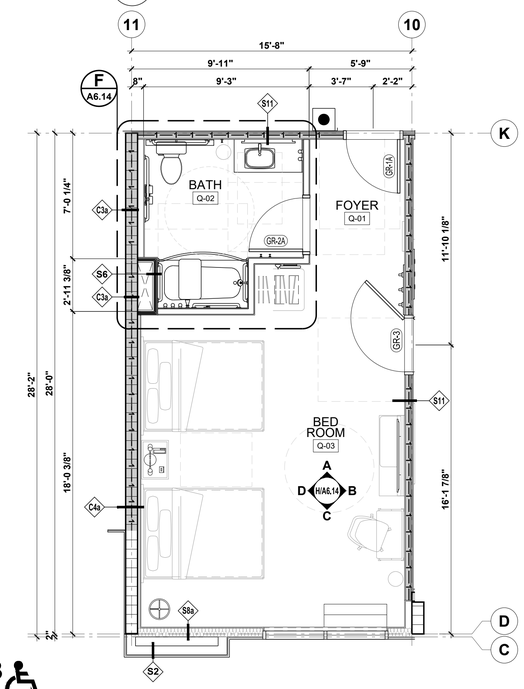
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SCALE: 1/2 " = 1'-0"



E A6.14 TYP QQ-STUDIO-ADA-TUB UNIT OUTLET PLAN

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RECESSED DOWNLIGHT
RECESSED DOWNLIGHT -UL WET LABELED
BATHROOM EXHAUST
DUPLEX OUTLET
QUADPLEX OUTLET
GFI OUTLET
DATA OUTLET
TV OUTLET
SWITCH
REMOTE THERMOSTAT
DOORBELL LIGHT (HEARING IMPAIRED ROOMS ONLY)
STROBE LIGHT (HEARING IMPAIRED ROOMS ONLY)
FIRE HORN & STROBE (HEARING IMPAIRED ROOMS ONLY)
FIRE HORN
SMOKE DETECTOR
SIDE WALL SPRINKLER HEAD

OWNER'S SUPPLY ITEMS

OS-010	REFRIGERATOR @ GUESTROOM
OS-011	TELEVISION @ GUESTROOM
OS-012	PHONE @ GUESTROOM
OS-013	ALARM CLOCK @ GUESTROOM
OS-014	IRON @ GUESTROOM
OS-015	IRONING BOARD @ GUESTROOM
OS-016	HANGERS @ GUESTROOM
OS-017	BULK AMENITIES @ GUEST BATH
OS-018	MATTRESSES @ GUESTROOM
OS-019	BEDDING @ GUESTROOM
OS-020	TISSUE HOLDER @ GUEST BATH
OS-021	WRAPPED CUPS @ GUEST BATH
OS-022	SHOWER CURTAIN @ ADA GUEST BATH

FINISH SCHEDULE

B	BASE
CD	CORNER GUARD
PT	PAINT
SPA	SPECIAL PAINT
T	TILE
VF	VINYL FLOORING
WC	WALL COVERING

FURNITURE SCHEDULE

BEDROOM

GR-102	TASK CHAIR @ GUESTROOM
GR-200	LUGGAGE BENCH @ LANDING ZONE
GR-201	ACCENT NIGHTSTAND @ KING
GR-206	BED BASE @ DOUBLE QUEEN GUESTROOM
GR-206.ADA	BED FRAME @ ADA DOUBLE QUEEN GUESTROOM
GR-207	BED BASE @ KING GUESTROOM
GR-207.ADA	BED FRAME @ ADA KING GUESTROOM
GR-213	LANDING ZONE FIXTURE**
GR-214	LANDING ZONE FIXTURE @ ADA GUESTROOMS**
GR-215	KING HEADBOARD**
GR-216	QUEEN HEADBOARD**
GR-217	KING NIGHTSTAND
GR-218	DOUBLE QUEEN NIGHTSTAND
GR-219	TV WALL UNIT WITH INTEGRATED POWER**
GR-220	LAMINATE WALL PANELS @ TV WALL
GR-221	STORAGE BENCH @ KING AND CONN GUESTROOMS
GR-222	ELONGATED STORAGE BENCH @ QQ GUESTROOMS
GR-223	MOBILE DESK
GR-702	KING BOX SPRING COVER
GR-703	QUEEN BOX SPRING COVER
GR-704	KING BEDSKIRT - ACCESIBLE
GR-705	QUEEN BEDSKIRT - ACCESIBLE
GR-801	WASTE BASKET @ GUESTROOMS

APPLIANCES

GR-304	BEDSIDE LAMP @ KING GUESTROOMS
GR-305	HEADBOARD SCONCE @ GUESTROOM
GR-306	FLOOR LAMP @ GUESTROOM
GR-307	WALL SCONCE @ FULL LENGTH MIRROR
GR-308	WALL SCONCE @ DESK
GR-309	BEDSIDE LAMP @ QQ GUESTROOM
GR-310	ACCESSIBLE HEADBOARD SCONCE @ GUESTROOM
GR-311	ACCESSIBLE WALL SCONCE @ DESK
GR-402	MANUAL ROLLER SHADE SET WITH BLACKOUT AND PRINTED SHEER
GR-403	MOTORIZED ROLLER SHADE SET @ ACC GUESTRM @ ACCESSIBLE GUESTROOMS
GR-601	FULL LENGTH MIRROR @ LANDING ZONE

BATHROOM

GR-211	VANITY @ GUEST BATH
GR-211.1	VANITY SHELF @ GUEST BATH**
GR-212	ACCESSIBLE VANITY @ ADA GUEST BATH
GR-212.1	ACCESSIBLE VANITY SHELF @ ADA GUEST BATH**
GR-600	ILLUMINATED MIRROR @ GUEST BATH**
GR-602	ILLUMINATED MIRROR @ ACCESSIBLE GUEST BATH**
GR-800	WASTE BASKET @ GUEST BATH
GR-803	WALL HOOK @ GUEST BATH**

BATHROOM FIXTURES & ACCESSORIES

PF-01	TOILET / WATERCLOSET
PF-02	34" X 48" SHOWER PAN
PF-03	SINK BASIN
PF-04	SINK FAUCET
PF-05	SHOWER HEAD
PF-06	SHOWER CONTROLS
PF-09	HAND SHOWER & DIVERTER CONTROL COMBO @ R.I.S
PF-10	ACCESSIBLE TUB
PF-11	HAND SHOWER & TUB CONTROL COMBO @ ACCESSIBLE TUB
TA-01	GLASS SHOWER ENCLOSURE @ GUEST SHOWER
TA-02	SHOWER SURROUND @ GUEST BATH
TA-03	DUAL TOILET PAPER HOLDER @ GUEST BATH
TA-04	FOOTREST @ GUEST SHOWER
TA-06	DECORATIVE GRAB BAR @ GUEST BATH SHOWER
TA-10	18" ACCESSIBLE GRAB BAR
TA-11	36" ACCESSIBLE GRAB BAR
TA-12	42" ACCESSIBLE GRAB BAR
TA-13	24" ACCESSIBLE GRAB BAR
TA-14	30" ACCESSIBLE GRAB BAR @ GUEST SHOWER/TUB
TA-15	36" ACCESSIBLE GRAB BAR @ GUEST SHOWER/TU
TA-16	TUB SURROUND @ ACCESSIBLE TUB
TA-17	STRAIGHT SHOWER ROD @ ADA ROLL-IN SHOWER
TA-18	CURVED SHOWER ROD @ ACCESSIBLE TUB
TA-19	FOLDING SHOWER SEAT @ ADA ROLL-IN SHOWER
TA-20	REMOVABLE SEAT @ ACCESSIBLE TUB
TA-22	TOWEL BAR @ ACCESSIBLE GUEST BATH/SHOWEI

**REQUIRES BLOCKING -
REFER TO MILLWORK BLOCKING DIAGRAM**

PERMIT SET
07-11-2024

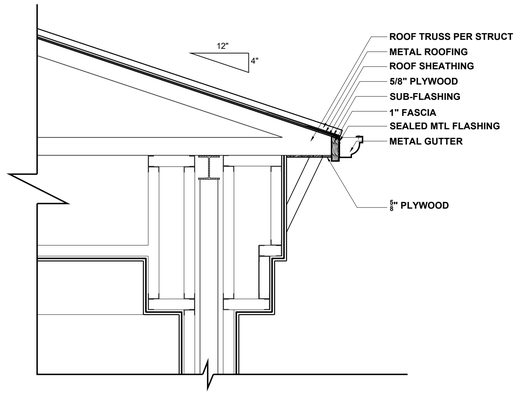
AA C000606

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STUART, FLORIDA

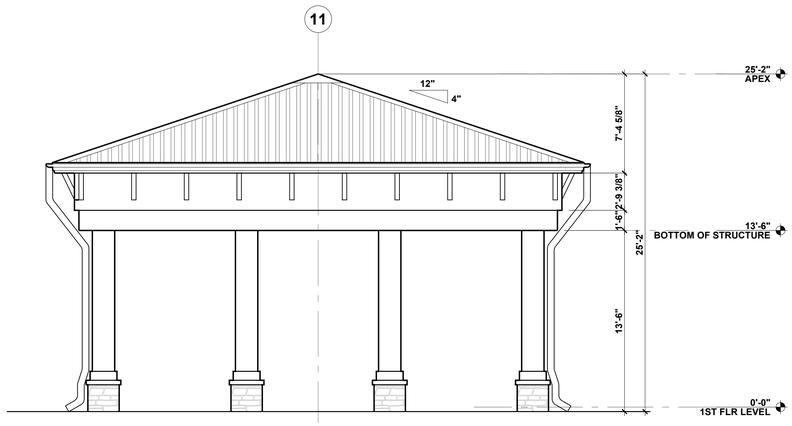
Jacquin & Sons Construction, jjsi.com, 80th ANNIVERSARY
Construction Manager

JOB NO. 22039
DATE 07-11-2024
SHEET A6.14



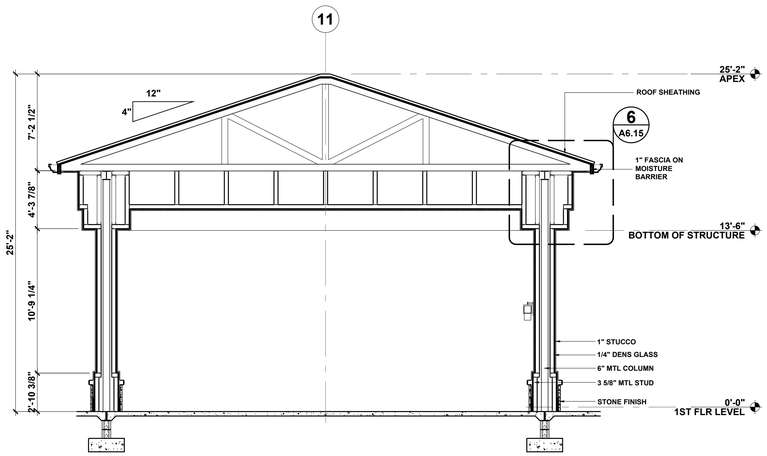
6 A6.15 PORTE-COCHERE DETAIL

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



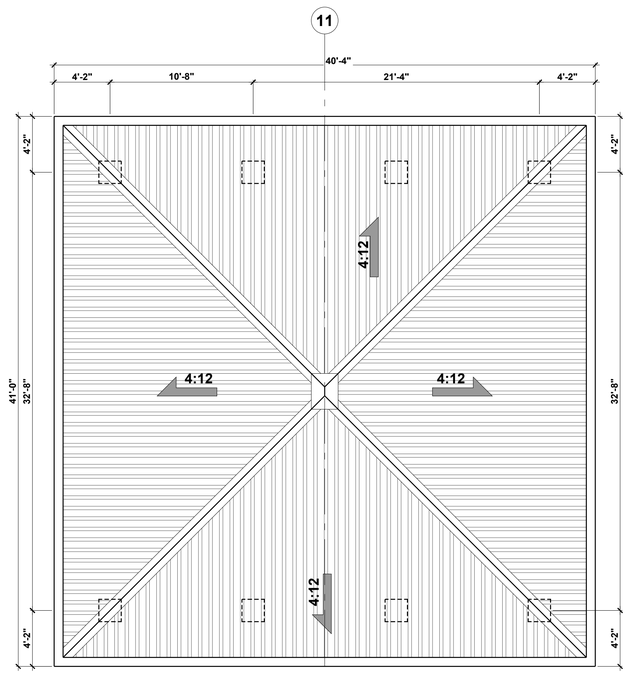
5 A6.15 PORTE-COCHERE ELEVATION

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



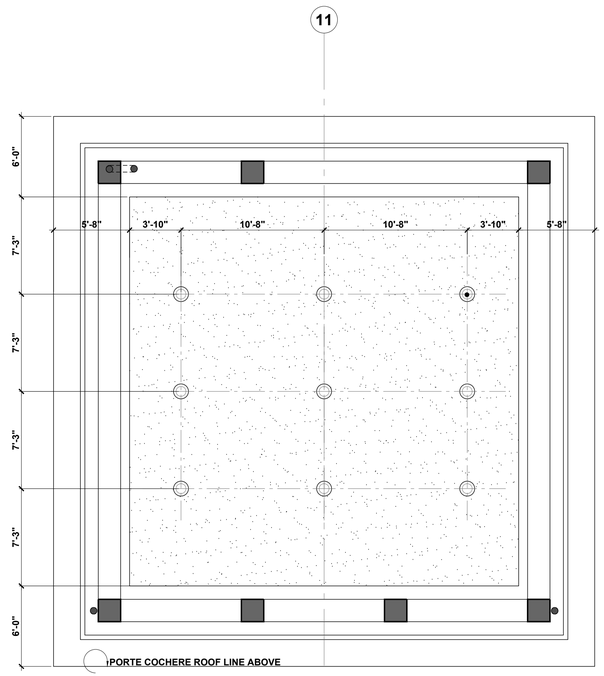
4 A6.15 PORTE-COCHERE SECTION

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



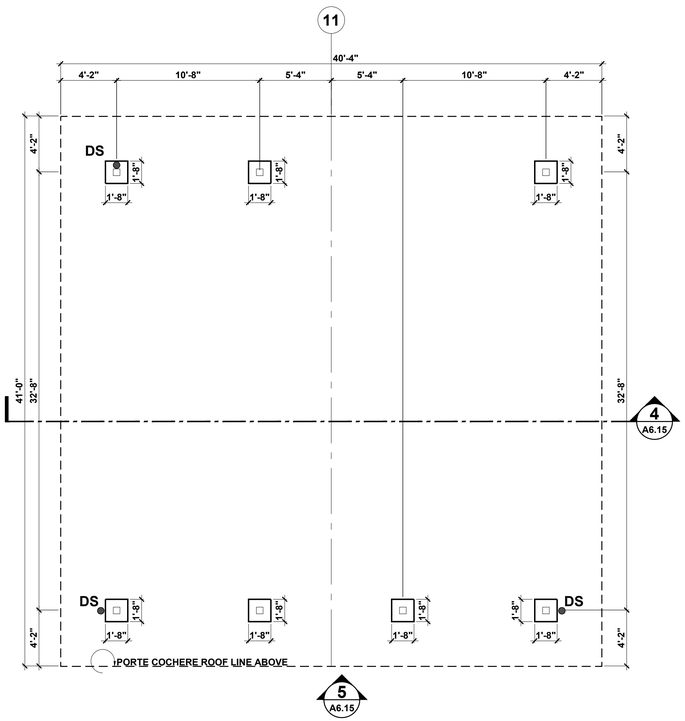
3 A6.15 PORTE-COCHERE ROOF PLAN

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



2 A6.15 PORTE-COCHERE REFLECTED CEILING PLAN

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



1 A6.15 PORTE-COCHERE PLAN

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

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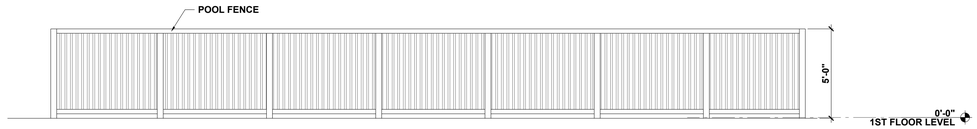
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JOB NO.
22039

DATE
07-11-2024

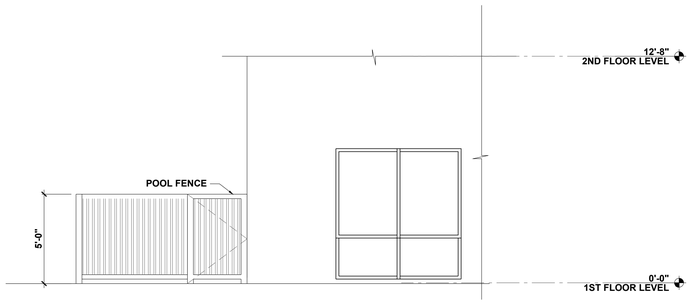
SHEET
A6.15

	OUTDOOR FURNISHINGS
OF-100	MODULAR SOFA (CENTER UNIT)
OF-100.1	MODULAR SOFA (CORNER UNIT)
OF-100.4	20" X 20" THROW PILLOW A @ MODULAR SOFA
OF-100.6	16" X 16" THROW PILLOW B @ MODULAR SOFA
OF-104	SIDE CHAIR
OF-105	DINING CHAIR
OF-106	CHAISE LOUNGE CHAIR @ INDOOR AND OUTDOOR
	POOL
OF-201	COFFEE TABLE @ MODULAR SOFA
OF-202	ACCESSIBLE DINING TABLE @ MODULAR SOFA
OF-203	GAME TABLE
OF-204	CAFE TABLE
OF-806	SMALL LINEAR OUTDOOR PLANTER



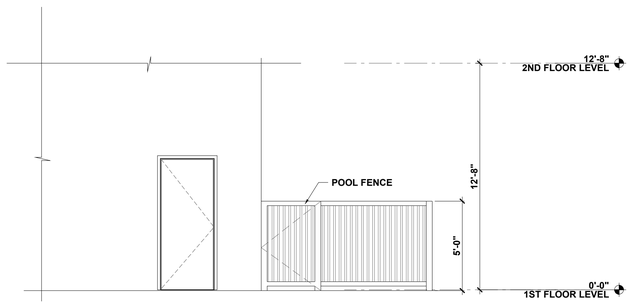
ELEVATION PLAN POOL & POOL ROOM

D A6.16 SCALE: 1/4 " = 1'-0"



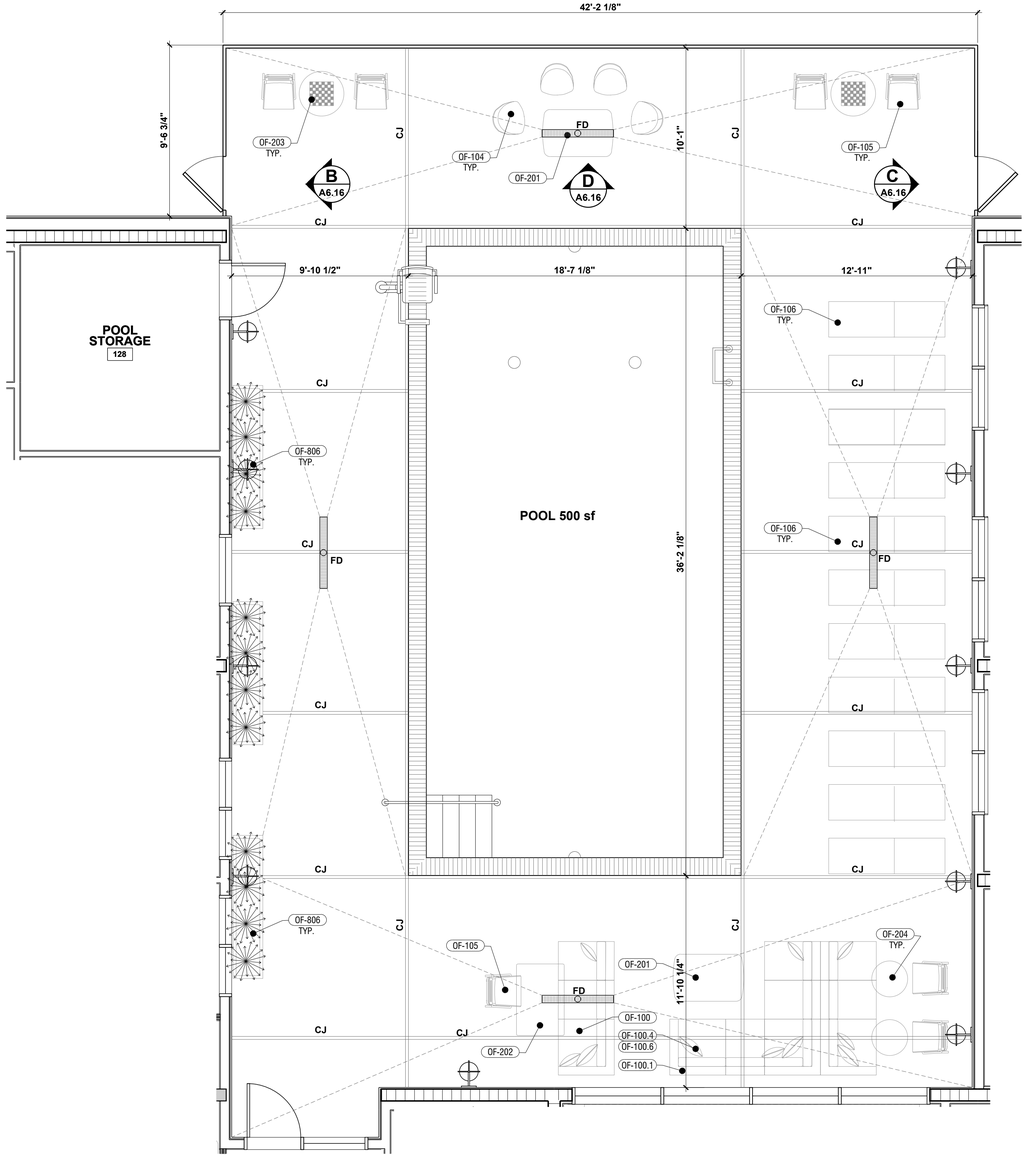
ELEVATION PLAN POOL & POOL ROOM

C A6.16 SCALE: 1/4 " = 1'-0"



ELEVATION PLAN POOL & POOL ROOM

B A6.16 SCALE: 1/4 " = 1'-0"



FLOOR PLAN POOL & POOL ROOM

A A6.16 SCALE: 1/4 " = 1'-0"

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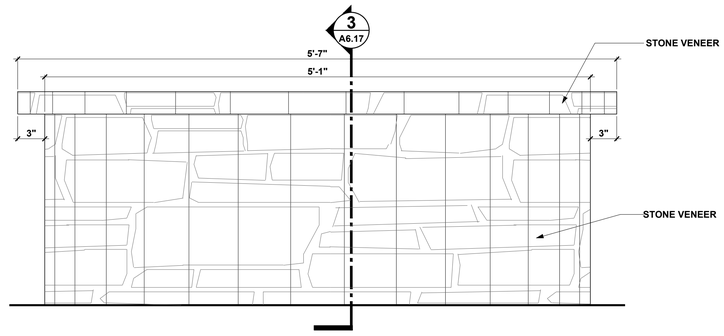
TRU HOTEL BY HILTON
RAJ PATEL
STUART, FLORIDA

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Construction Manager

JOB NO.
22039

DATE
07-11-2024

SHEET
A6.16



2 A6.17 ENLARGED FIREPIT ELEVATION

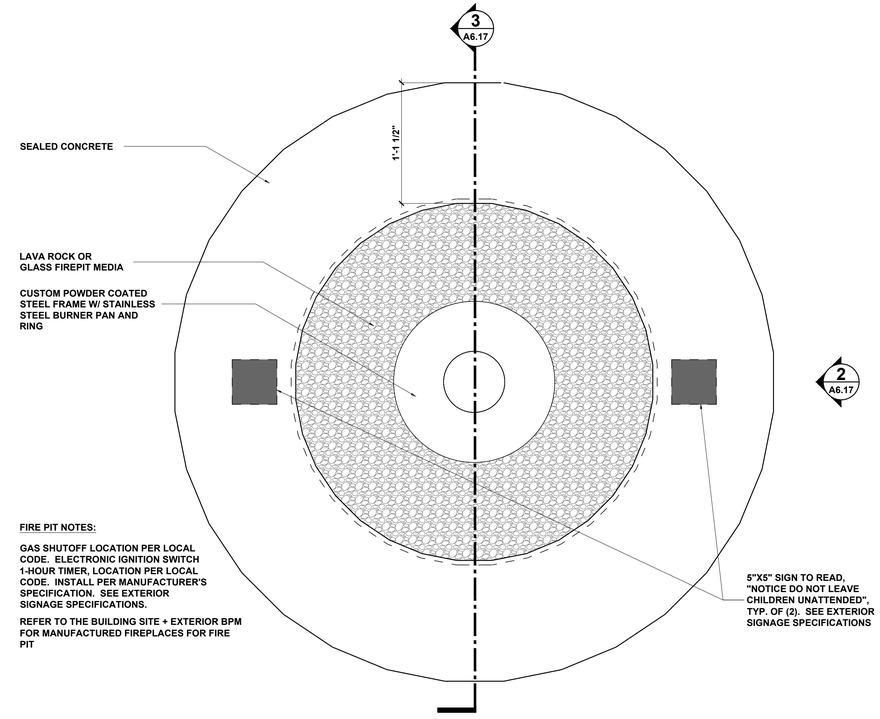
SCALE:1 1/2 " = 1'-0"

FIRE PIT NOTES:

REFER TO THE BUILDING SITE + EXTERIOR BPM FOR MANUFACTURED FIREPLACES FOR FIRE PIT

3 A6.17 ENLARGED FIREPIT SECTION

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



FIRE PIT NOTES:

GAS SHUTOFF LOCATION PER LOCAL CODE. ELECTRONIC IGNITION SWITCH 1-HOUR TIMER, LOCATION PER LOCAL CODE. INSTALL PER MANUFACTURER'S SPECIFICATION. SEE EXTERIOR SIGNAGE SPECIFICATIONS.

REFER TO THE BUILDING SITE + EXTERIOR BPM FOR MANUFACTURED FIREPLACES FOR FIRE PIT

1 A6.17 ENLARGED FIREPIT PLAN

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

PERMIT SET
07-11-2024

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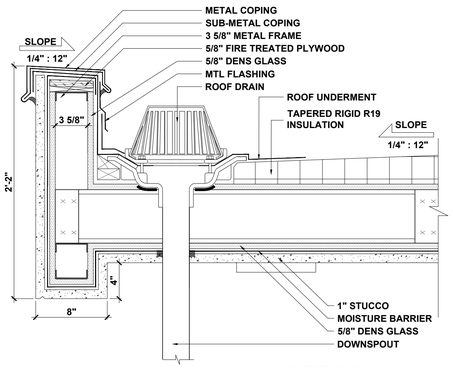
TRU HOTEL BY HILTON
RAJ PATEL
STUART, FLORIDA

Jacquin & Sons Construction jjsi.com 80th ANNIVERSARY
Construction Manager

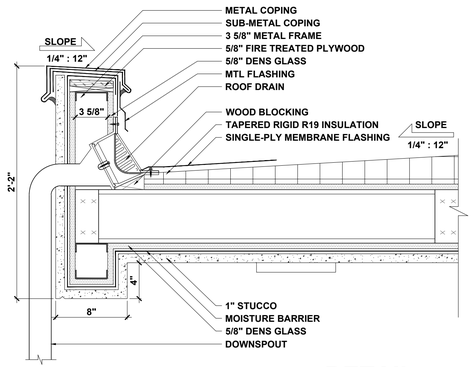
JOB NO.
22039

DATE
07-11-2024

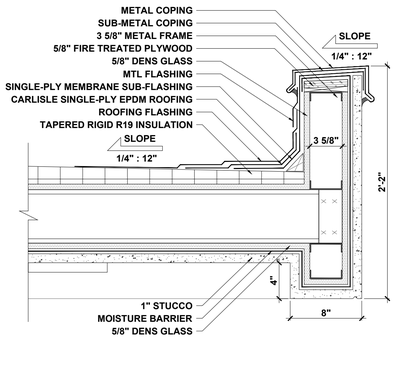
SHEET
A6.17



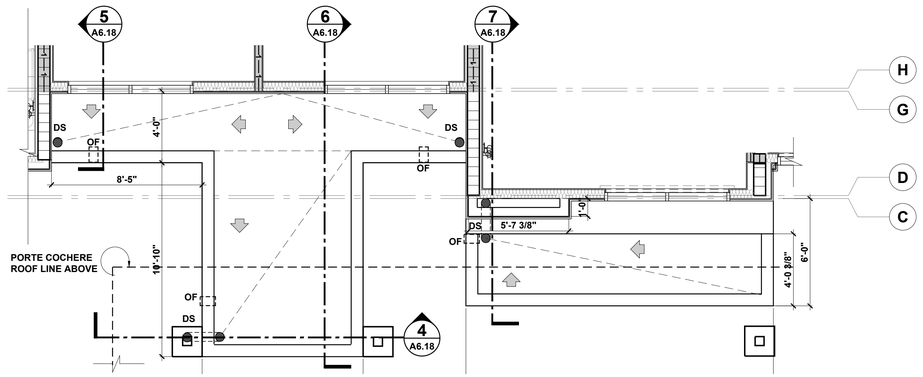
10 A6.18 **DETAIL**
SCALE: 1/4 " = 1'-0"



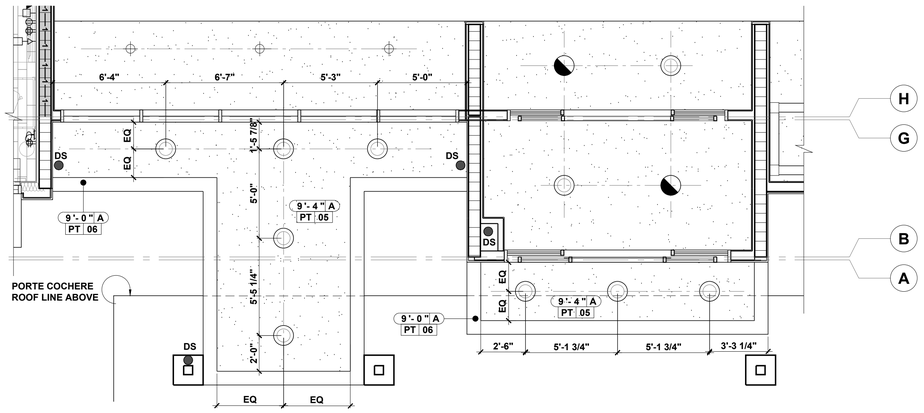
9 A6.18 **DETAIL**
SCALE: 1/4 " = 1'-0"



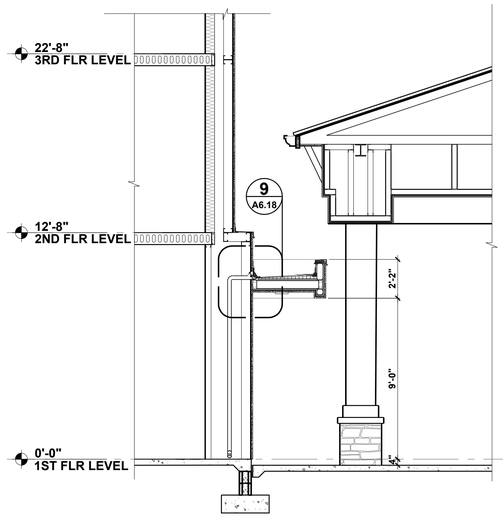
8 A6.18 **DETAIL**
SCALE: 1/4 " = 1'-0"



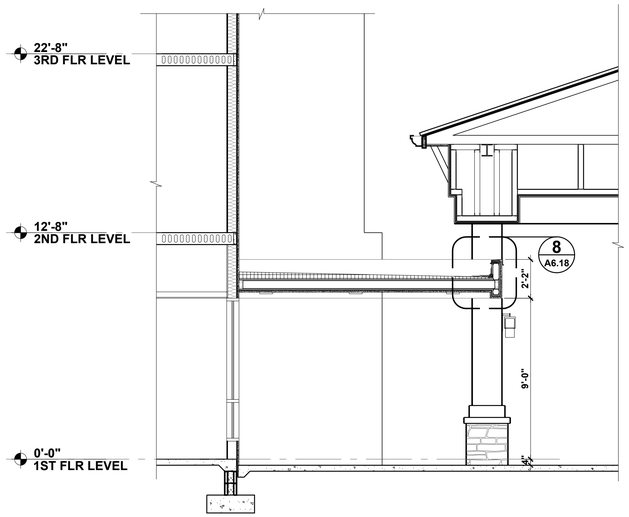
3 A6.18 **ENTRANCE CANOPY - 2ND FLOOR PLAN**
SCALE: 1/4 " = 1'-0"



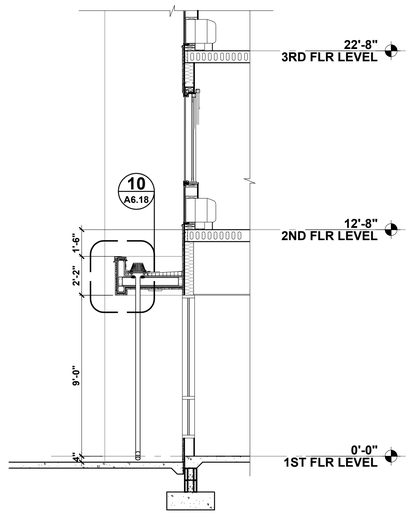
2 A6.18 **ENTRANCE CANOPY - REFLECTING CEILING PLAN**
SCALE: 1/4 " = 1'-0"



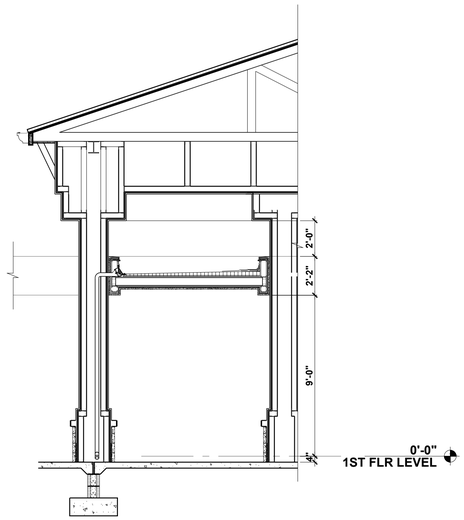
7 A6.18 **SECTION**
SCALE: 1/4 " = 1'-0"



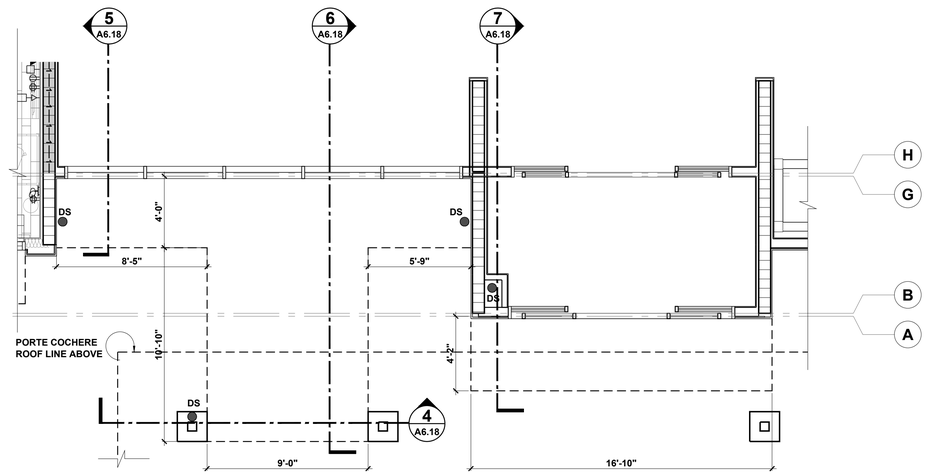
6 A6.18 **SECTION**
SCALE: 1/4 " = 1'-0"



5 A6.18 **SECTION**
SCALE: 1/4 " = 1'-0"



4 A6.18 **SECTION**
SCALE: 1/4 " = 1'-0"



1 A6.18 **ENTRANCE CANOPY - 1ST FLOOR PLAN**
SCALE: 1/4 " = 1'-0"

PERMIT SET
07-11-2024

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Jacquin & Sons Construction Inc. CGC060475 80th ANNIVERSARY
Construction Manager

JOB NO.
22039

DATE
07-11-2024

SHEET
A6.18

DOOR SCHEDULE

DOOR MARK	ROOM NAME	DOOR DIMENSIONS			DOOR SPECIFICATIONS					DOOR MATERIALS				FRAME MATERIALS		REMARKS
		WIDTH	HEIGHT	THK	TYPE	FRAME TYPE	FIRE RATING	DETAIL SET	HARD-WARE SET	MATERIAL	FINISH	GLASS	GLASS TYPE	MATERIAL	FINISH	
STAIR DOORS																
115a	STAIR 1	3'-0"	7'-0"	1 3/4"	B	3	90 MIN	6/A7.2	H-12	SC WD	PAINT			HM	PAINT	
115b	STAIR 1	3'-0"	7'-0"	1 3/4"	B	3	90 MIN	3/A7.2	H-13	SC WD	PAINT			HM	PAINT	
115c	STAIR 1	3'-0"	7'-0"	1 3/4"	B	3	90 MIN	3/A7.2	H-13	SC WD	PAINT			HM	PAINT	
115d	STAIR 1	3'-0"	7'-0"	1 3/4"	B	3	90 MIN	3/A7.2	H-13	SC WD	PAINT			HM	PAINT	
115e	STAIR 1	3'-0"	7'-0"	1 3/4"	B	3	90 MIN	3/A7.2	H-13	SC WD	PAINT			HM	PAINT	
130a	STAIR 2	3'-0"	7'-0"	1 3/4"	B	3	90 MIN	6/A7.2	H-12	SC WD	PAINT			HM	PAINT	
130b	STAIR 2	3'-0"	7'-0"	1 3/4"	B	3	90 MIN	3/A7.2	H-13	SC WD	PAINT			HM	PAINT	
130c	STAIR 2	3'-0"	7'-0"	1 3/4"	B	3	90 MIN	3/A7.2	H-13	SC WD	PAINT			HM	PAINT	
130d	STAIR 2	3'-0"	7'-0"	1 3/4"	B	3	90 MIN	3/A7.2	H-13	SC WD	PAINT			HM	PAINT	
130e	STAIR 2	3'-0"	7'-0"	1 3/4"	B	3	90 MIN	3/A7.2	H-13	SC WD	PAINT			HM	PAINT	
1ST FLOOR																
101a	VESTIBULE	PR 2-8"	7'-0"	1 3/4"	A	1		4/A7.2	H-1	GL/AL	ANNO		TEMP	AL	ANNO	
101b	VESTIBULE	PR 2-8"	7'-0"	1 3/4"	A	1		7/A7.2	H-1	GL/AL	ANNO		TEMP	AL	ANNO	
104	LOUNGE	3'-0"	7'-0"	1 3/4"	C	5		5/A7.2	H-12	GL/AL	ANNO			HM	PAINT	
107	ELEVATOR LOBBY	3'-0"	7'-0"	1 3/4"	C	6		5/A7.2	H-6	GL/AL	ANNO		TEMP	AL	ANNO	
110	TOILET(SHE)	3'-0"	7'-0"	1 3/4"	B	2	45 MIN	2/A7.2 (SIM)	H-8	SC WD	PAINT			HM	PAINT	
111	TOILET(HE)	3'-0"	7'-0"	1 3/4"	B	2	45 MIN	2/A7.2 (SIM)	H-8	SC WD	PAINT			HM	PAINT	
112	MECH ROOM	4'-0"	7'-0"	1 3/4"	B	2		2/A7.2	H-10	SC WD	PAINT			HM	PAINT	
113	PANTRY	3'-0"	7'-0"	1 3/4"	B	2	45 MIN	2/A7.2	H-4	SC WD	PAINT			HM	PAINT	
114	PUMP ROOM	3'-0"	7'-0"	1 3/4"	B	2		5/A7.2	H-10	SC WD	PAINT			HM	PAINT	
116	FITNESS ROOM	3'-0"	7'-0"	1 3/4"	C	7	45 MIN	2/A7.2	H-7	GL/AL	ANNO		TEMP	AL	ANNO	
118	MECH ROOM	4'-0"	7'-0"	1 3/4"	B	2		2/A7.2	H-10	SC WD	PAINT			HM	PAINT	
119a	RAJ'S OFFICE	3'-0"	7'-0"	1 3/4"	B	4	45 MIN	2/A7.2	H-5	SC WD	PAINT			HM	PAINT	
119b	RAJ'S OFFICE	3'-0"	7'-0"	1 3/4"	B	4	45 MIN	3/A7.2	H-5	SC WD	PAINT			HM	PAINT	
120	OFFICE	3'-0"	7'-0"	1 3/4"	B	4	45 MIN	2/A7.2	H-5	SC WD	PAINT			HM	PAINT	
121	MANAGER OFFICE	3'-0"	7'-0"	1 3/4"	B	4	45 MIN	3/A7.2	H-5	SC WD	PAINT			HM	PAINT	
122	WATER HEATER	3'-0"	7'-0"	1 3/4"	B	2		2/A7.2	H-10	SC WD	PAINT			HM	PAINT	
123	LAUNDRY ROOM	4'-0"	7'-0"	1 3/4"	B	2	45 MIN	2/A7.2	H-9	SC WD	PAINT			HM	PAINT	PROVIDE DIGITAL KEY LOCK SET
124	EMPLOYEE ROOM	3'-0"	7'-0"	1 3/4"	B	2	45 MIN	2/A7.2	H-9	SC WD	PAINT			HM	PAINT	
125	ELECTRICAL ROOM	3'-0"	7'-0"	1 3/4"	B	2		2/A7.2	H-10	SC WD	PAINT			HM	PAINT	
126a	LINEN STORAGE	3'-0"	7'-0"	1 3/4"	B	2		3/A7.2	H-3	SC WD	PAINT			HM	PAINT	
126b	LINEN STORAGE	2'-4"	7'-0"	1 3/4"	B	2		3/A7.2	H-3	SC WD	PAINT			HM	PAINT	
127	OFFICE	3'-0"	7'-0"	1 3/4"	B	4	45 MIN	3/A7.2	H-5	SC WD	PAINT			HM	PAINT	
128	POOL STORAGE	3'-0"	7'-0"	1 3/4"	B	2		5/A7.2	H-10	SC WD	PAINT			HM	PAINT	
129	ROOM	3'-0"	7'-0"	1 3/4"	B	2		2/A7.2	H-10	SC WD	PAINT			HM	PAINT	
131a	CORRIDOR	3'-0"	7'-0"	1 3/4"	B	3		6/A7.2	H-10	SC WD	PAINT			HM	PAINT	
131b	CORRIDOR	3'-0"	7'-0"	1 3/4"	B	3		6/A7.2	H-10	SC WD	PAINT			HM	PAINT	
131c	CORRIDOR	3'-0"	7'-0"	1 3/4"	C	8		6/A7.2	H-12	GL/AL	ANNO			HM	PAINT	
132a	CHUTE ROOM	3'-0"	6'-8"	1 3/4"	B	2	90 MIN	2/A7.2	H-3	SC WD	PAINT			HM	PAINT	SELF/AUTOMATIC CLOSING-SMOKE
132b	CHUTE ROOM	2'-6"	6'-8"	1 3/4"	B	2	90 MIN	2/A7.2	H-3	SC WD	PAINT			HM	PAINT	SELF/AUTOMATIC CLOSING-SMOKE
133	PBX	3'-0"	7'-0"	1 3/4"	B	2		2/A7.2	H-5	SC WD	PAINT			HM	PAINT	PROVIDE CARD KEY LOCK SET
134	PANTRY STORAGE	3'-0"	7'-0"	1 3/4"	B	2		3/A7.2	H-5	SC WD	PAINT			HM	PAINT	PROVIDE CARD KEY LOCK SET
135	OFFICE	3'-0"	7'-0"	1 3/4"	B	4	45 MIN	3/A7.2	H-10	SC WD	PAINT			HM	PAINT	
136	RAJ'S TOILET	2'-10"	7'-0"	1 3/4"	B	2		2/A7.2	H-5	SC WD	PAINT			HM	PAINT	
2ND FLOOR																
202	ELEVATOR LOBBY	3'-0"	7'-0"	1 3/4"	B	9		5/A7.2	H-1	GL/AL	ANNO		TEMP	AL	ANNO	
203	HOUSE KEEPING	3'-0"	7'-0"	1 3/4"	B	2		2/A7.2	H-10	SC WD	PAINT			HM	PAINT	
204	ELECTRICAL ROOM	3'-0"	7'-0"	1 3/4"	B	2		2/A7.2	H-10	SC WD	PAINT			HM	PAINT	
3RD FLOOR																
303	HOUSE KEEPING	3'-0"	7'-0"	1 3/4"	B	2		2/A7.2	H-10	SC WD	PAINT			HM	PAINT	
304	ELECTRICAL ROOM	3'-0"	7'-0"	1 3/4"	B	2		2/A7.2	H-10	SC WD	PAINT			HM	PAINT	
4TH FLOOR																
403	HOUSE KEEPING	3'-0"	7'-0"	1 3/4"	B	2		2/A7.2	H-10	SC WD	PAINT			HM	PAINT	
404	ELECTRICAL ROOM	3'-0"	7'-0"	1 3/4"	B	2		2/A7.2	H-10	SC WD	PAINT			HM	PAINT	
GUEST ROOM UNITS																
GR-1	FOYER	3'-0"	7'-0"	1 3/4"	B	2	20 MIN	1/A7.2	H-G1	SC WD	PAINT			HM	PAINT	
GR-2	BATH	3'-0"	7'-0"	1 3/4"	B	2		2/A7.2	H-G2	SC WD	PAINT			HM	PAINT	
GR-1A	FOYER (ADA)	3'-0"	7'-0"	1 3/4"	B	2	20 MIN	1/A7.2	H-G1A	SC WD	PAINT			HM	PAINT	
GR-2A	BATH (ADA)	3'-0"	7'-0"	1 3/4"	B	2		2/A7.2	H-G2A	SC WD	PAINT			HM	PAINT	
GR-3	BEDROOM (ADA-CON)	3'-0"	7'-0"	1 3/4"	B	2		2/A7.2	H-G2	SC WD	PAINT			HM	PAINT	

HARDWARE SCHEDULE

H-1	
1	HARDWARE BY MANUF
1	EMERGENCY BREAKAWAY
1	ACCESS CONTROL SYSTEM
	(FOR AFTER HOURS, WHEN REQ)
1	MAGNETIC LOCKS CONNECTED
	TO REMOTE RELEASE @ FRONT DESK
1	DOOR CLOSER
1	THRESHOLD
1	WEATHER STRIPPING
1	SECURITY CAMERA

H-2	
1	HARDWARE BY MANUF
1	EMERGENCY BREAKAWAY
1	ACCESS CONTROL SYSTEM
	(FOR AFTER HOURS, WHEN REQ)
1	DOOR CLOSER
1	WEATHER STRIPPING

H-3	
3	HINGES
1	STORE ROOM LOCKSET
1	DOOR STOP

H-4	
3	HINGES
1	ADVANCE CARD LOCK - WING LEVER
1	DOOR CLOSER
1	DOOR STOP
2	KICKPLATES - PUSH SIDE

H-5	
3	HINGES
1	OFFICE LOCKSET
1	WALL STOP

H-G1A	
3 EA	HINGES
1 EA	HINGES
1 EA	CLOSER
1 EA	KICKPLATE
1 EA	DOOR GUARD
1 EA	DOOR VIEWER
1 EA	GASKETING
1 EA	MAG SWITCH REFER TO SECTION

H-6	
3	HINGES
1	EMERGENCY BREAKAWAY
1	PULL BAR
1	PUSH BAR
1	ADVANCE CARD LOCK
1	DOOR CLOSER
1	THRESHOLD
1	WEATHER STRIPPING

H-7	
3	HINGES
1	PULL BAR
1	PUSH BAR
1	ADVANCE CARD LOCK
1	DOOR CLOSER

H-8	
3	HINGES
1	PASSAGE LOCKSET
1	DOOR CLOSER
1	WEATHER STRIPPING
1	DOOR STOP

H-9	
3	HINGES
1	STORE ROOM LOCKSET
1	DOOR CLOSER
1	DOOR STOP
1	KICKPLATES - PUSH SIDE

H-10	
3	HINGES
1	OFFICE LOCKSET
1	DOOR CLOSER
1	WEATHER STRIPPING
1	THRESHOLD

H-G2A	
3 EA	HINGES
1 EA	PRIVACY SET
1 EA	HINGE STOP
1 EA	FLOOR STOP WMEFMSBDS
1 EA	SILENCERS

H-11	
6	HINGES (3 EA DOOR)
1 EA	LEVER TRIM (GUEST SUITE SIDE)
1 EA	BLANK TRIM (OTHER SIDE)
1 EA	THUMBTURN DEADBOLT (GUEST SUITE SIDE)
1 EA	SAFETY LATCH (GUEST SUITE SIDE)
1 EA	DOOR SWEEP
1 EA	SOUND AND SMOKE SEAL
1 EA	DOOR CLOSER (EACH DOOR)
	HOLD OPENS NOT ALLOWED

H-12	
1	CARD READER LOCK
1	EMERGENCY BREAKAWAY
	BALANCE OF HARDWARE
	BY DOOR SUPPLIER
1	DOOR CLOSER
1	SECURITY CAMERA
1	THRESHOLD
1	DOOR SWEEP
1	WEATHER STRIPPING

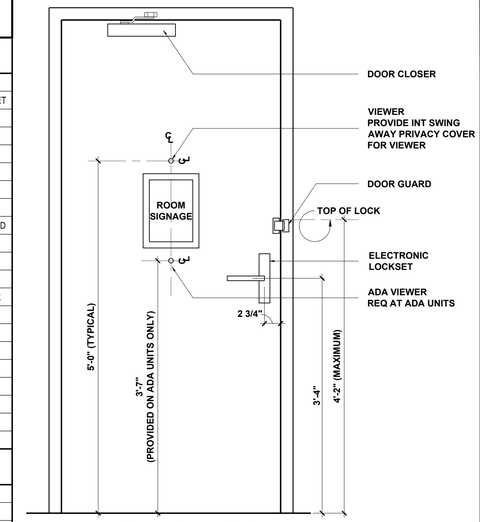
H-13	
3	HINGES
1	PASSAGE LOCKSET
1	EXIT DEVICE (PANIC HARDWARE)
1	DOOR CLOSER

H-14	
3	HINGES
1	OFFICE LOCKSET
1	WALL STOP
1	DOOR CLOSER

H-15	
3	HINGES
1	KEYLESS DEADBOLT LOCKSET
1	DOOR CLOSER
1	DOOR STOP
1	KICKPLATES - PUSH SIDE
1	THRESHOLD
1	WEATHER STRIPPING

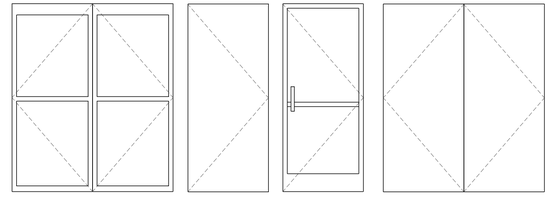
H-G1	
3	HINGES
1	ELECTRONIC LEVER TRIM WITH LOCKSET
1	SAFETY LATCH
1	DOOR CLOSER
1	90° DOOR STOP
1	DOOR GASKETING
1	VINYL THRESHOLD
1	DOOR BOTTOM - NOTCHED
	SAFETY CHAIN LOCKS ARE NOT ALLOWED
1	ONE-WAY VIEWER WITH COVER
	(ON GUEST SUITE SIDE)
	TAMPER PROOF, 180 DEGREE
1	ADA ONE-WAY VIEWER W/ COVER
	(ON GUEST SUITE SIDE)
	TAMPER PROOF, 180 DEGREE
	(FOR ADA UNITS ONLY)
1	2-STAGE HYDRAULIC CLOSER
	ADJUSTABLE TYPE, AUTOMATIC
	NO HOLD OPEN TYPES
1	SOUND AND SMOKE SEAL
1	DOOR SWEEP

H-G2	
3	HINGES
1	PRIVACY SET
1	WALL STOP



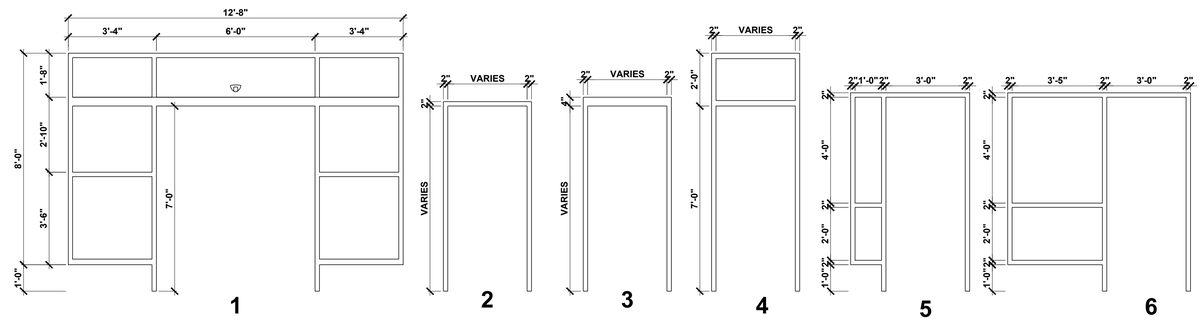
TYP GUESTROOM ENTRANCE DOOR ELEVATION

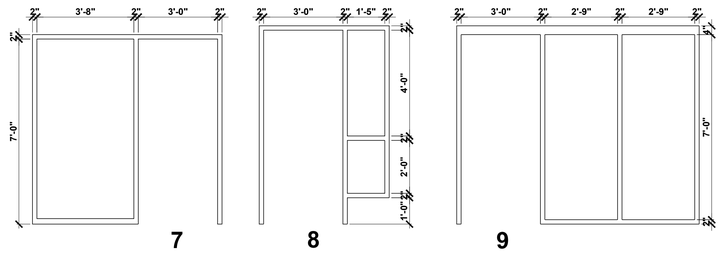
3 / A7.1 SCALE: 1/4 " = 1'-0"



DOOR ELEVATIONS

2 / A7.1 SCALE: 3/8 " = 1'-0"





DOOR FRAME ELEVATION

1 / A7.1 SCALE: 1/2 " = 1'-0"

PERMIT SET
07-11-2024

AA C000606

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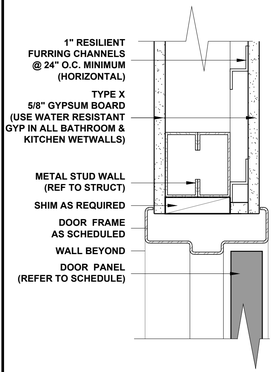
Jacquin & Sons Construction jjsi.com CGC060475 80th ANNIVERSARY
Construction Manager

JOB NO.
22039

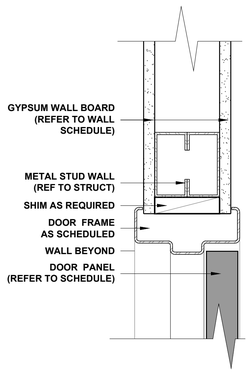
DATE
07-11-2024

SHEET
A7.1

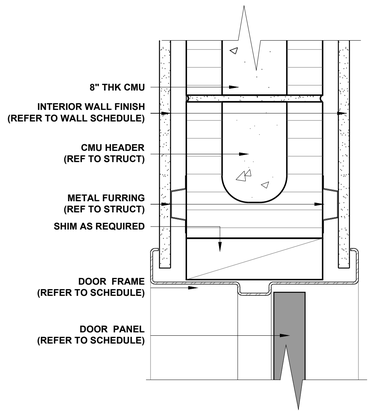
INTERIOR DOOR DETAILS



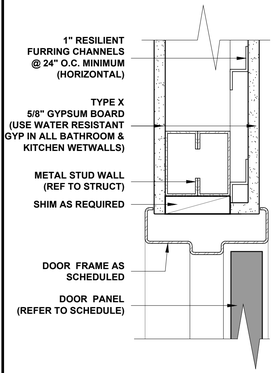
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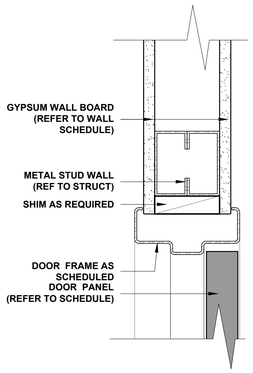
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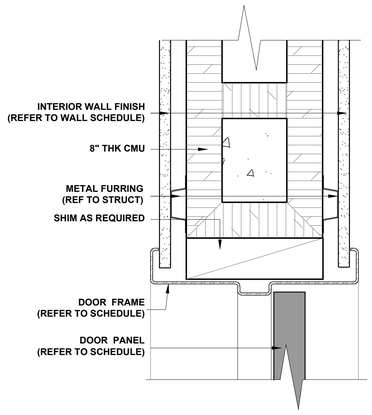
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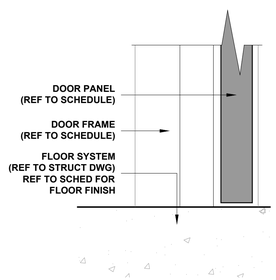
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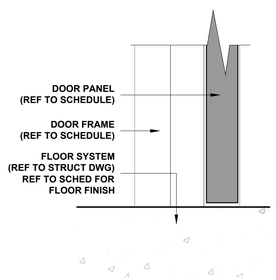
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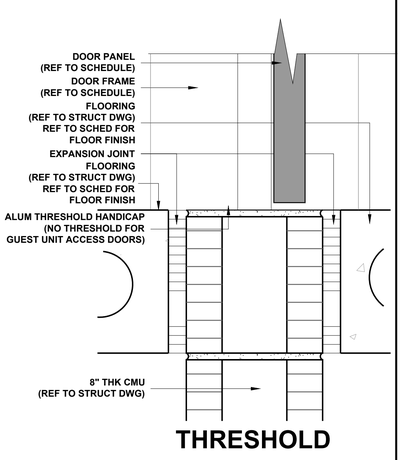
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THRESHOLD



THRESHOLD



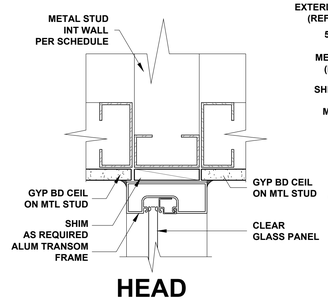
THRESHOLD

1 A7.2 FRAME WALL DOOR DETAILS SCALE: 3 " = 1'-0"

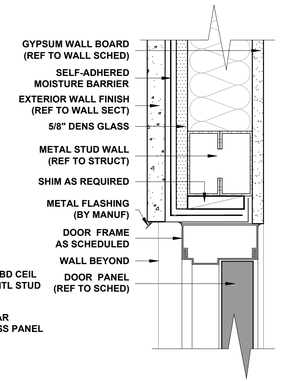
2 A7.2 FRAME WALL DOOR DETAILS SCALE: 3 " = 1'-0"

3 A7.2 CMU WALL DOOR DETAILS SCALE: 3 " = 1'-0"

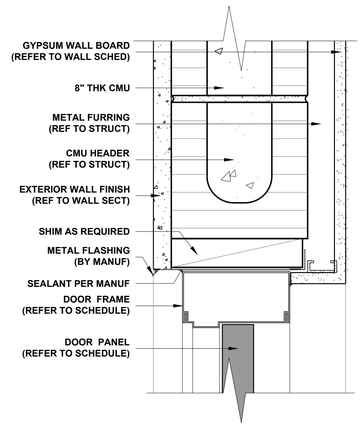
EXTERIOR DOOR DETAILS



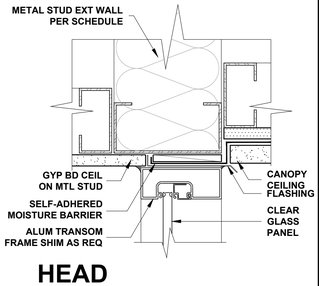
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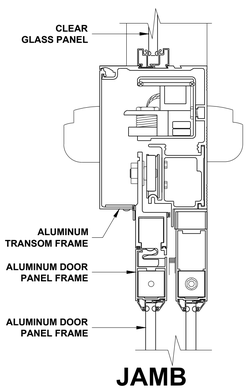
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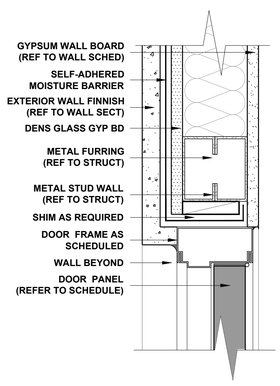
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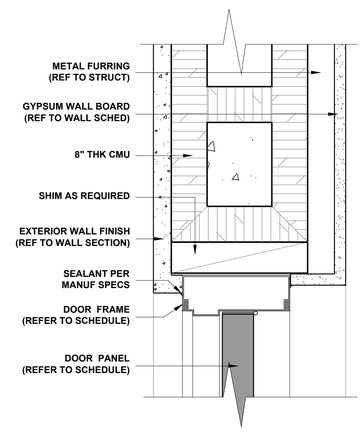
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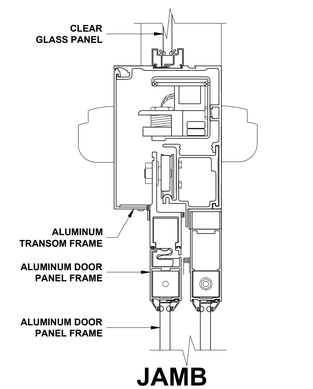
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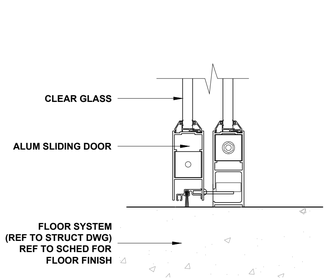
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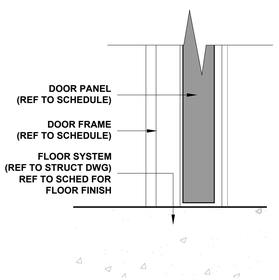
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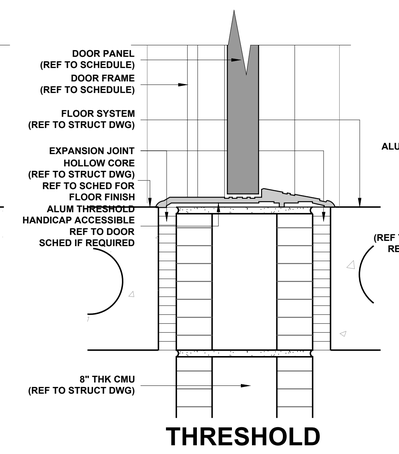
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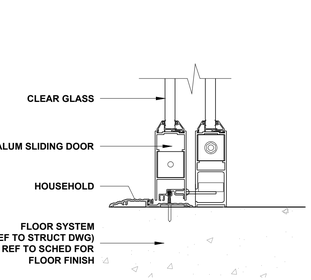
THRESHOLD



THRESHOLD



THRESHOLD



THRESHOLD

7 A7.2 FRAME WALL DOOR DETAILS SCALE: 3 " = 1'-0"

4 A7.2 CMU WALL DOOR DETAILS SCALE: 3 " = 1'-0"

5 A7.2 FRAME WALL DOOR DETAILS SCALE: 3 " = 1'-0"

6 A7.2 CMU WALL DOOR DETAILS SCALE: 3 " = 1'-0"

PERMIT SET
07-11-2024

AA C000606

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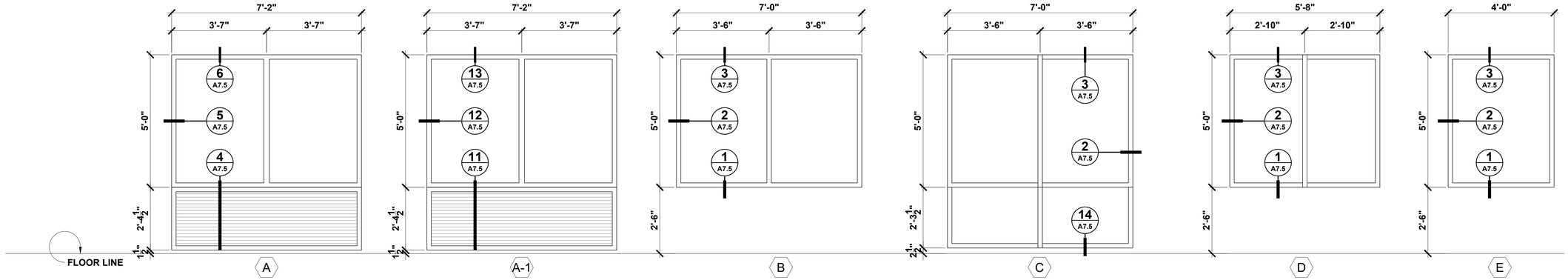
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RAJ PATEL
STUART, FLORIDA

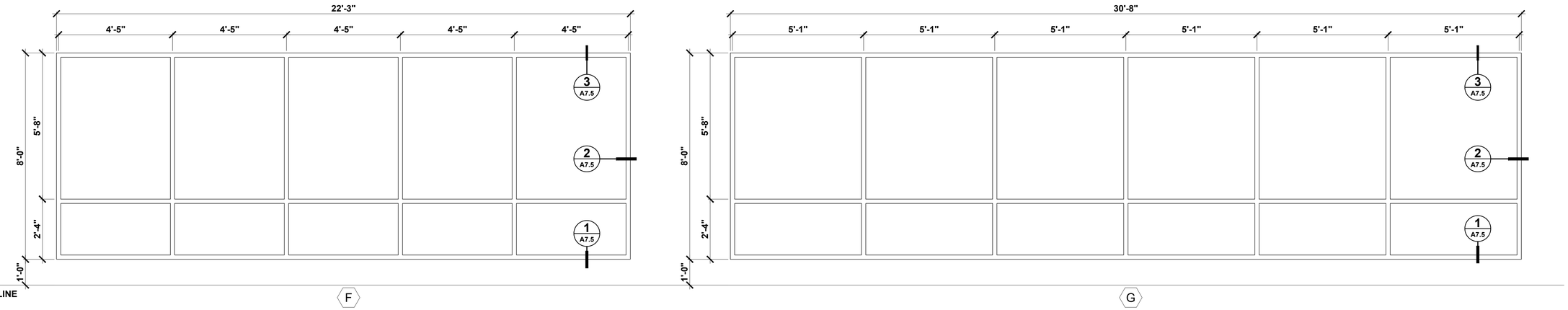
Jacquin & Sons Construction jjsi.com license# 50th ANNIVERSARY
Construction Manager

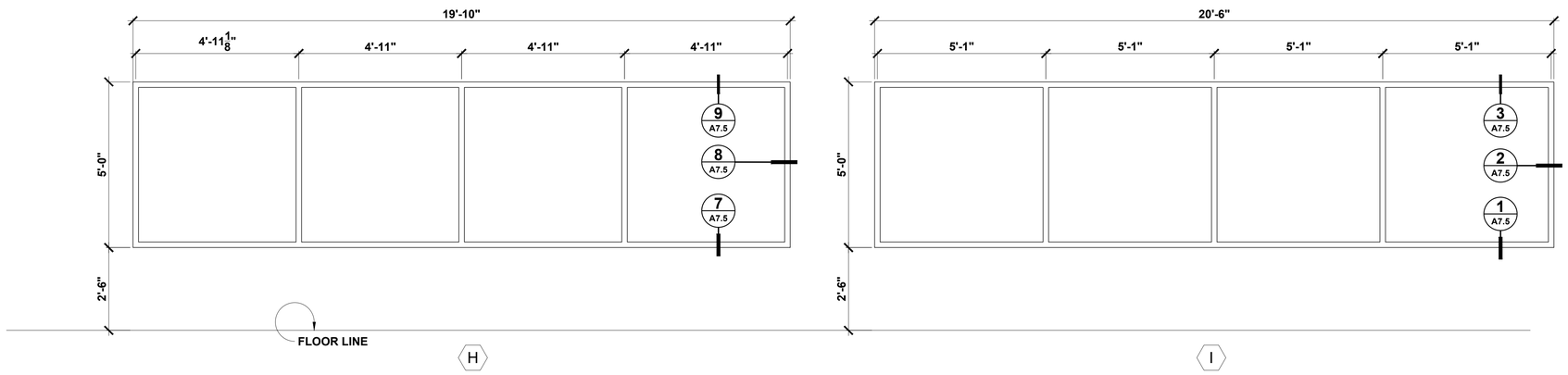
JOB NO.
22039

DATE
07-11-2024

SHEET
A7.2







1 A7.3 WINDOW SCHEDULE

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

PERMIT SET
07-11-2024

AA C000606

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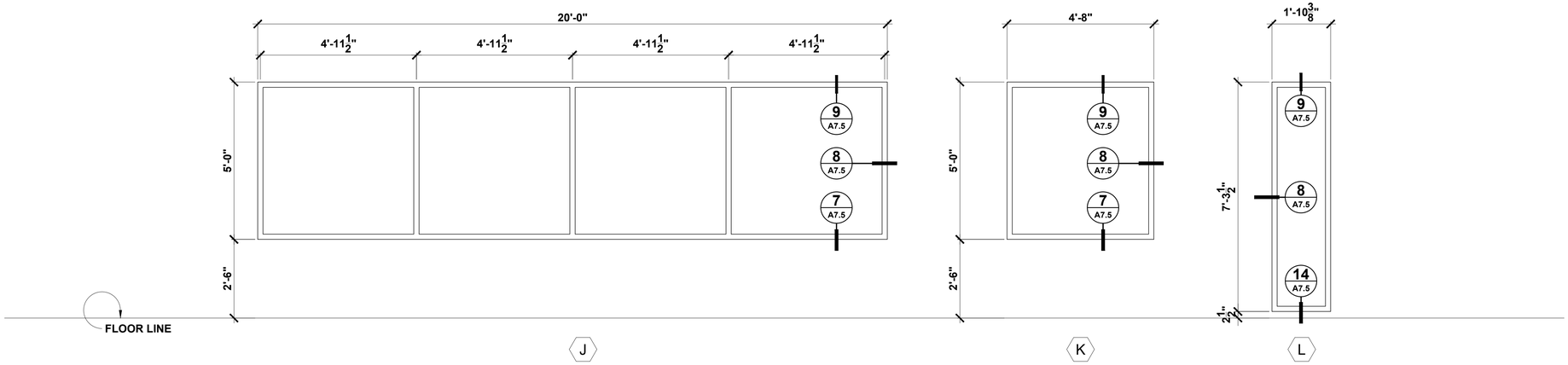
TRU HOTEL BY HILTON
RAJ PATEL
STUART, FLORIDA

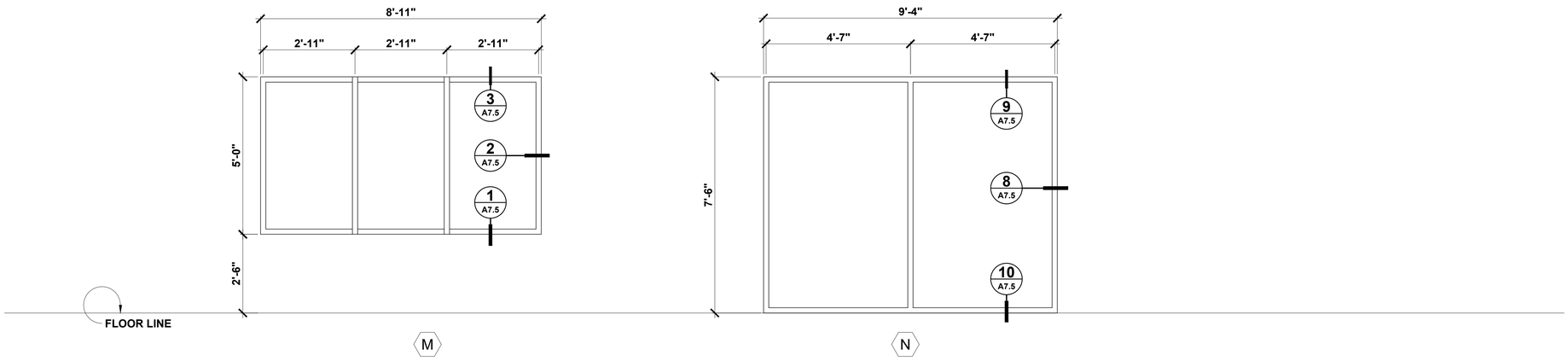
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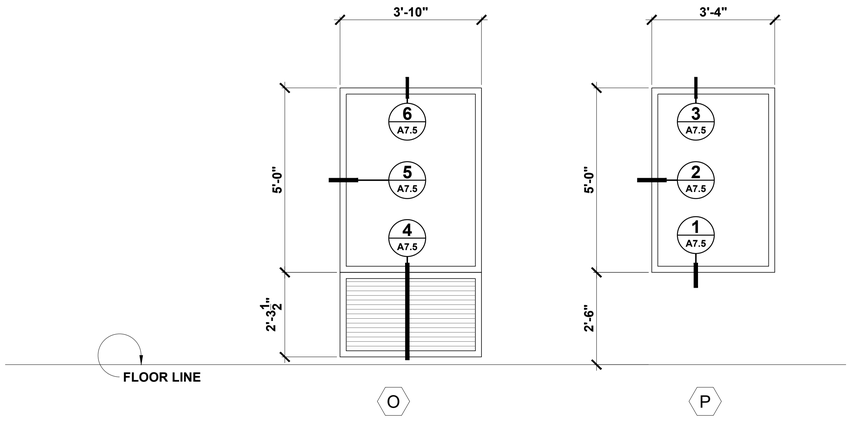
JOB NO.
22039

DATE
07-11-2024

SHEET
A7.3







NOTES

1. ALUMINUM WINDOWS AND STOREFRONT SYSTEM TO BE THERMALLY BROKEN FRAME AND INSULATED GLAZING
2. GUESTROOM ALUMINUM FIXED WINDOW TO BE THERMALLY BROKEN FRAME, INSULATED GLAZING WITH INTEGRAL ALUMINUM LOUVER AT PTAC UNITS
3. ALL ALUMINUM PTAC LOUVER - COLOR TO MATCH ADJACENT MATERIAL

1 A7.4 **WINDOW SCHEDULE**

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

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07-11-2024

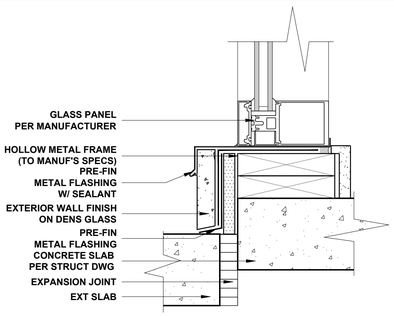
AA C000606

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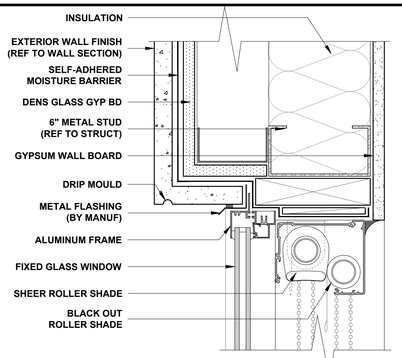
TRU HOTEL BY HILTON
RAJ PATEL
STUART, FLORIDA

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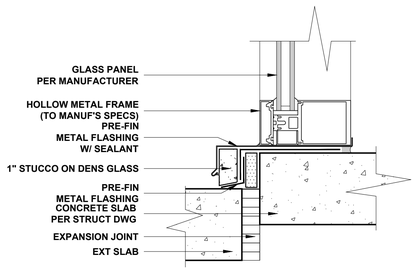
JOB NO. 22039
DATE 07-11-2024
SHEET A7.4



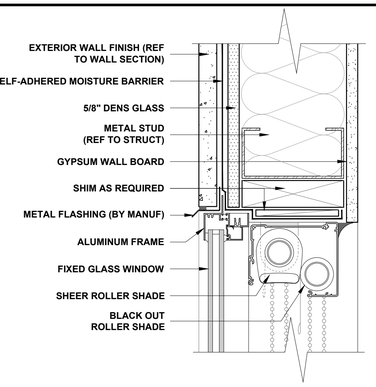
14 A7.5 SILL WINDOW DETAIL
SCALE: 3 " = 1'-0"



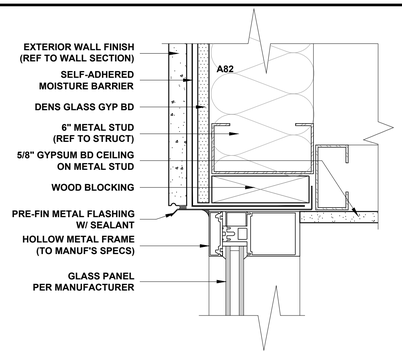
GUESTROOM UNIT HEAD WINDOW DETAIL
13 A7.5 SCALE: 3 " = 1'-0"



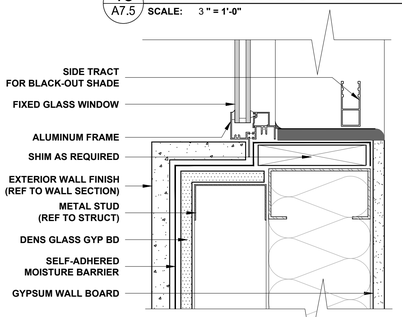
10 A7.5 SILL WINDOW DETAIL
SCALE: 3 " = 1'-0"



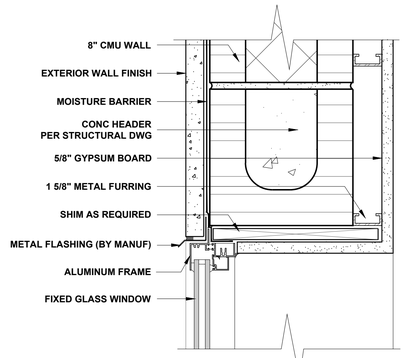
GUESTROOM UNIT HEAD WINDOW DETAIL
6 A7.5 SCALE: 3 " = 1'-0"



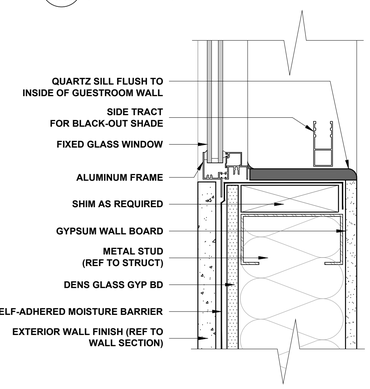
3 A7.5 HEAD WINDOW DETAIL
SCALE: 3 " = 1'-0"



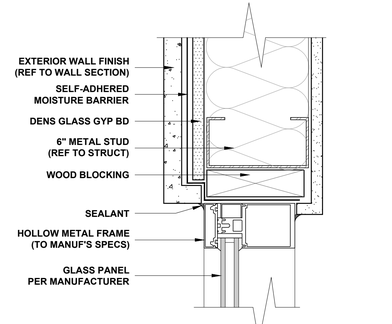
GUESTROOM UNIT JAMB WINDOW DETAIL
12 A7.5 SCALE: 3 " = 1'-0"



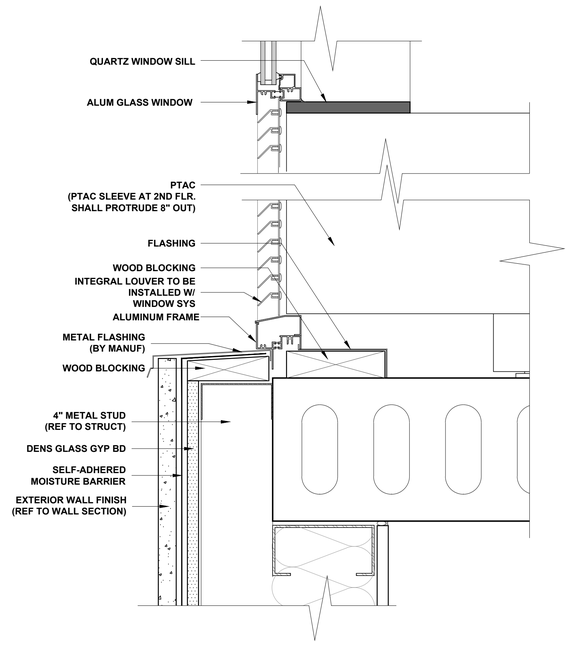
9 A7.5 HEAD WINDOW DETAIL
SCALE: 3 " = 1'-0"



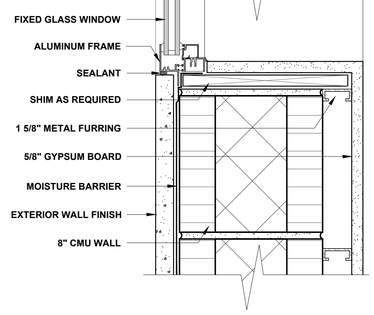
GUESTROOM UNIT JAMB WINDOW DETAIL
5 A7.5 SCALE: 3 " = 1'-0"



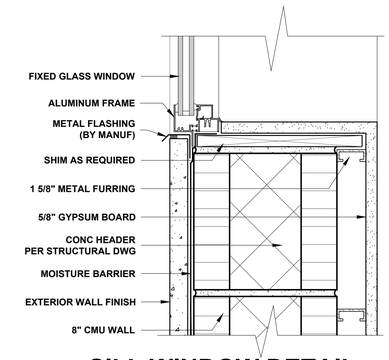
2 A7.5 JAMB WINDOW DETAIL
SCALE: 3 " = 1'-0"



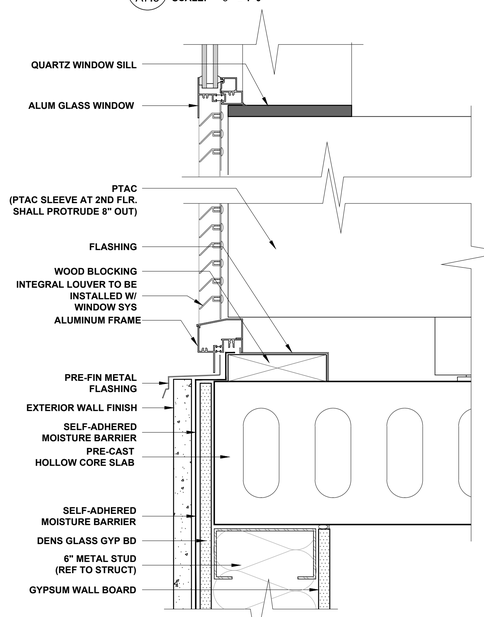
11 A7.5 SILL WINDOW DETAIL
SCALE: 3 " = 1'-0"



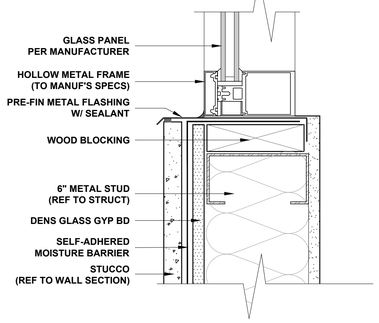
8 A7.5 JAMB WINDOW DETAIL
SCALE: 3 " = 1'-0"



7 A7.5 SILL WINDOW DETAIL
SCALE: 3 " = 1'-0"



GUESTROOM UNIT SILL WINDOW W/ PTAC DETAIL
4 A7.5 SCALE: 3 " = 1'-0"



1 A7.5 SILL WINDOW DETAIL
SCALE: 3 " = 1'-0"

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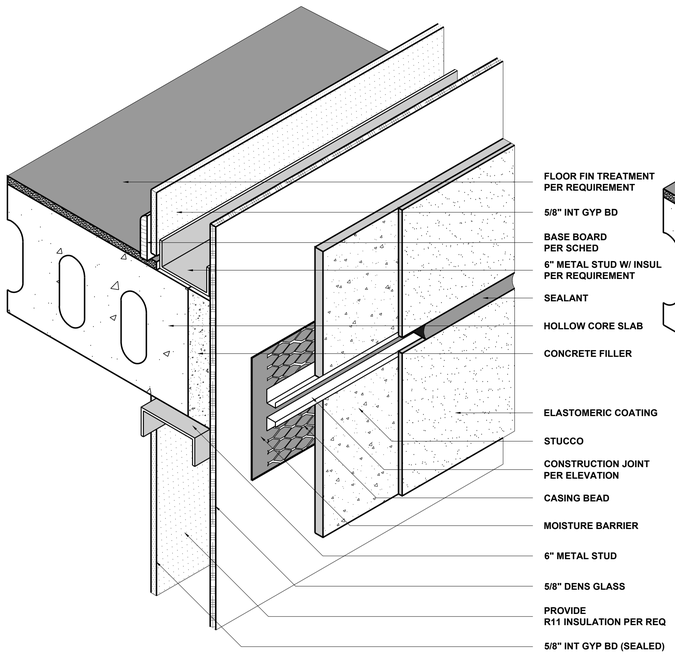
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STUART, FLORIDA

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Construction Manager

JOB NO.
22039

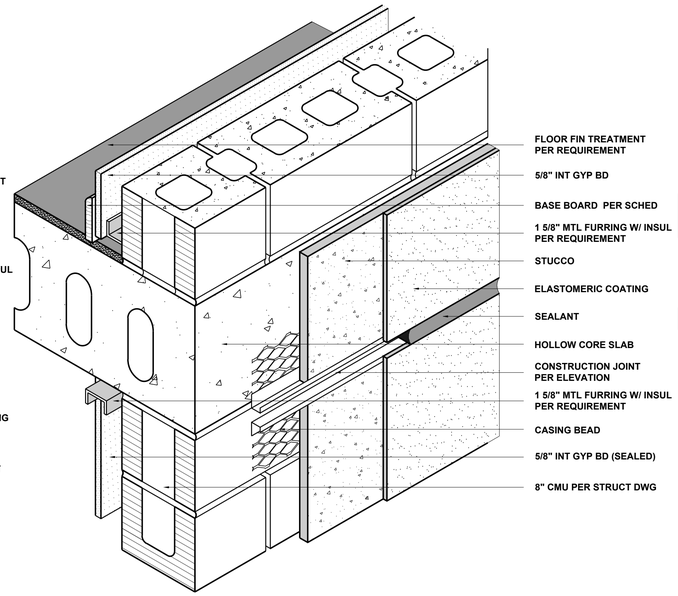
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SHEET
A7.5



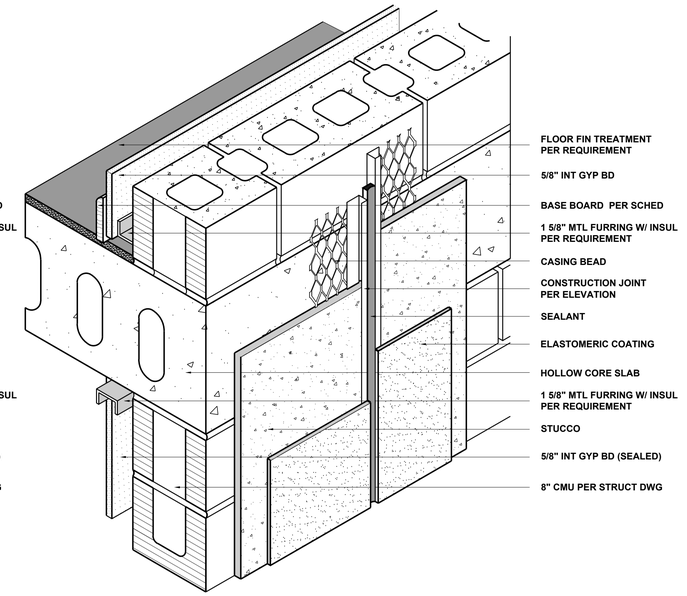
TYPICAL STUD WALL HORIZONTAL JOINT/GROOVE DETAIL

D8 / A8.4 SCALE: 1 1/2 " = 1'-0"



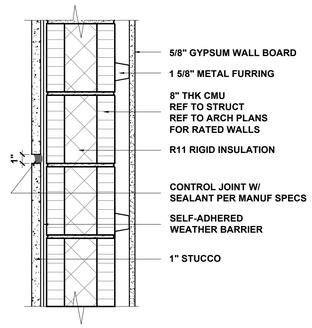
TYPICAL CMU WALL HORIZONTAL JOINT/GROOVE DETAIL

D7 / A8.4 SCALE: 1 1/2 " = 1'-0"



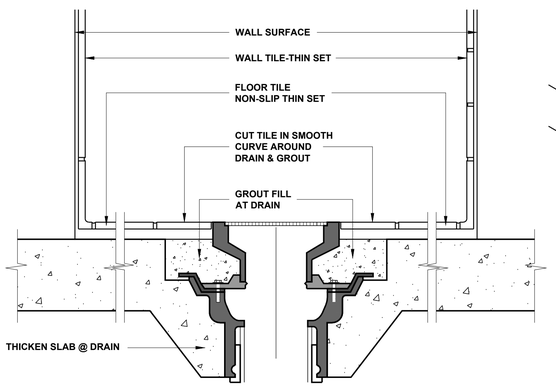
TYPICAL CMU WALL VERTICAL JOINT/GROOVE DETAIL

D6 / A8.4 SCALE: 1 1/2 " = 1'-0"



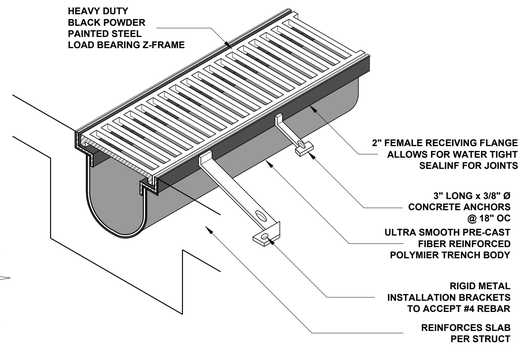
TYPICAL CONT JOINT DETAIL

D5 / A8.1 SCALE: 1 1/2 " = 1'-0"



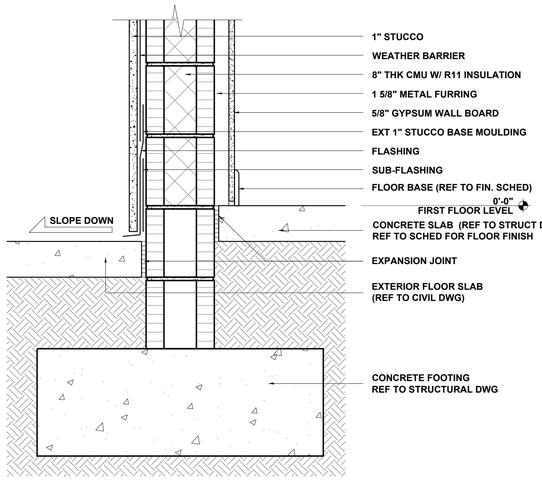
TYPICAL FLOOR DRAINAGE DETAIL

D4 / A8.1 SCALE: 3" = 1'-0"



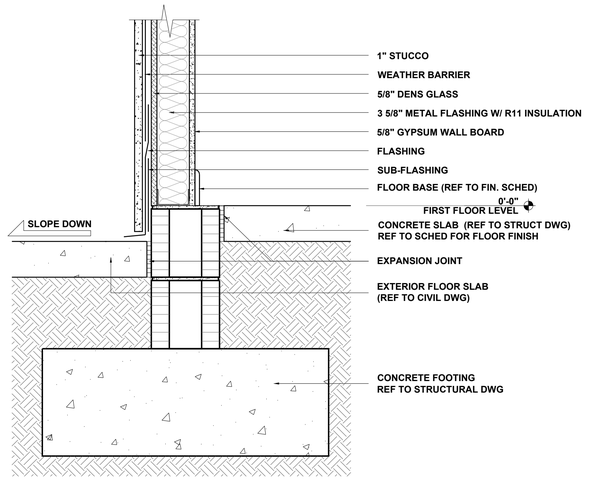
TRENCH DRAIN DETAIL

D3 / A8.1 SCALE: NTS " = 1'-0"



FOOTING DETAIL

D2 / A8.1 SCALE: 1 1/2 " = 1'-0"



FOOTING DETAIL

D1 / A8.1 SCALE: 1 1/2 " = 1'-0"

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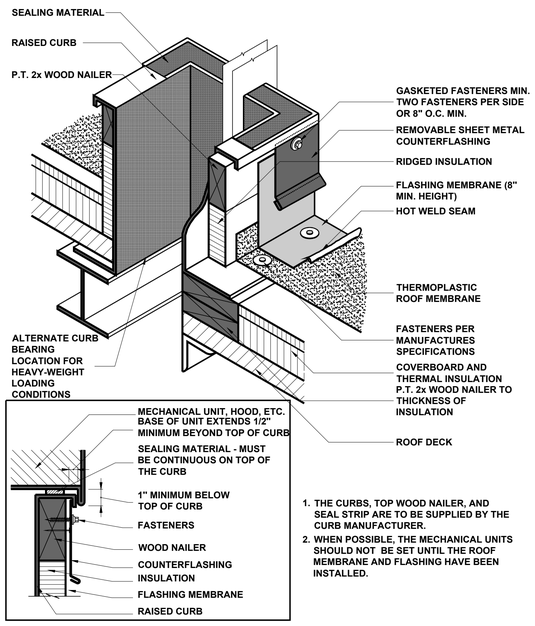
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TRU HOTEL BY HILTON
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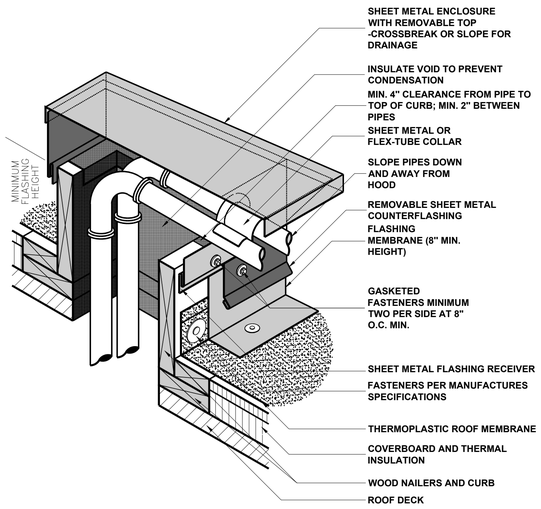
JOB NO.
22039
DATE
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SHEET
A8.1



1. THE CURBS, TOP WOOD NAILER, AND SEAL STRIP ARE TO BE SUPPLIED BY THE CURB MANUFACTURER.
2. WHEN POSSIBLE, THE MECHANICAL UNITS SHOULD NOT BE SET UNTIL THE ROOF MEMBRANE AND FLASHING HAVE BEEN INSTALLED.

D15 A8.2 ROOF CURB DETAIL

SCALE: NTS" = 1'-0"



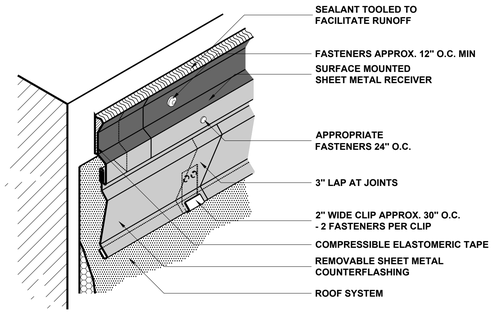
D14 A8.2 PIPE PENETRATION DETAIL

SCALE: NTS" = 1'-0"

GENERAL NOTE:

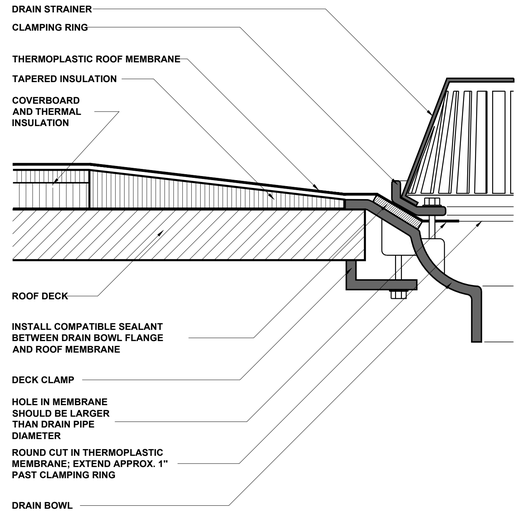
ROOFING SHALL BE INSTALLED BY A CERTIFIED ROOFING CONTRACTOR AND CARRY A 20 YEAR WARRANTY.

SYSTEM MUST BE A LIGHT COLOR, ENERGY STAR OR EQUIVALENT COMPLIANT LIGHT COLOR (SOLAR REFLECTIVE INDEX SRI 78 OR BETTER)



D13 A8.2 MOUNTED RIGLET COUNTER FLASHING DETAIL

SCALE: NTS" = 1'-0"

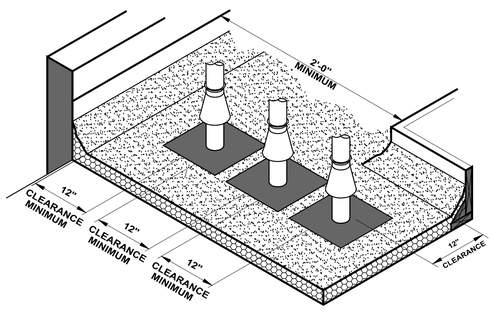


NOTES:

1. THE USE OF A METAL DECK SUMP PAN IS NOT RECOMMENDED. HOWEVER, DRAIN RECEIVER/BEARING PLATES AR APPLICABLE WITH SOME PROJECTS.
2. THE DRAIN COMPONENTS BELOW THE DECK SHALL BE INSULATED 6' FROM DRAIN MIN. TO PREVENT POTENTIAL CONDENSATION.
3. MEMBRANE SEAMS SHOULD NOT INTERSECT DRAIN CLAMPING RING.

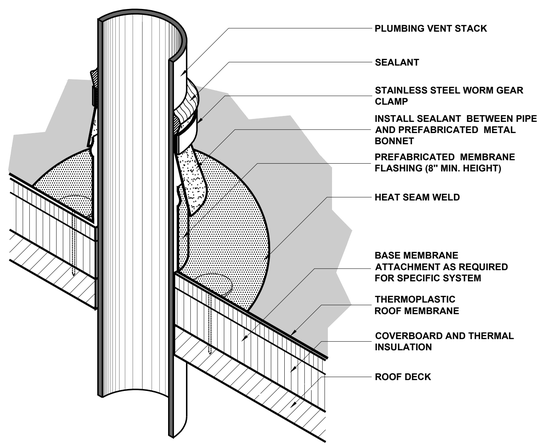
D12 A8.2 TYP ROOF DRAIN DETAIL

SCALE: NTS" = 1'-0"



D11 A8.2 PIPES/WALLS/CURBS CLEARANCES

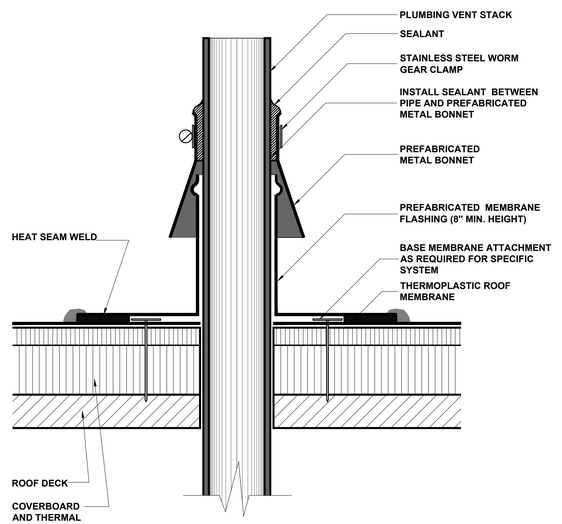
SCALE: NTS" = 1'-0"



1. VENT STACKS AND OTHER PIPES SHOULD HAVE A MINIMUM OF 12 INCHES [300 mm] OF CLEARANCE ON ALL SIDES FROM WALLS, CURBS, AND OTHER PROJECTIONS TO FACILITATE PROPER FLASHING.
2. NRCA RECOMMENDS FLASHINGS BE 8" [200 mm] HIGH, HOWEVER, NRCA IS AWARE THAT PRE-MANUFACTURED BOOT FLASHINGS GENERALLY WILL NOT MEET THE HEIGHT REQUIREMENT.

D10 A8.2 PIPE PENETRATION DETAIL

SCALE: NTS" = 1'-0"



NOTES:

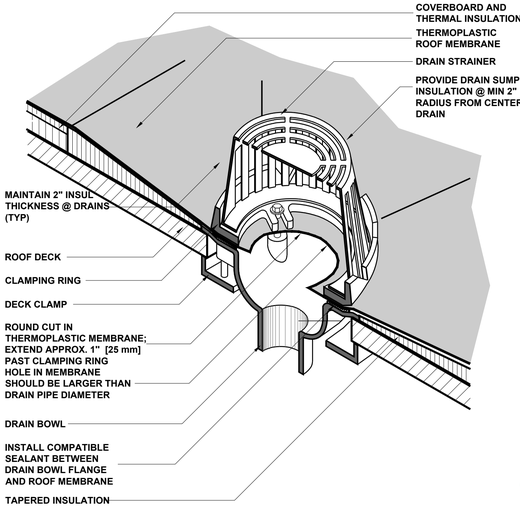
VENT STACKS AND OTHER PIPES SHOULD HAVE A MINIMUM OF 12 INCHES [300 mm] OF CLEARANCE ON ALL SIDES FROM WALLS, CURBS, AND OTHER PROJECTIONS TO FACILITATE PROPER FLASHING.

NRCA RECOMMENDS FLASHINGS BE 8" [200 mm] HIGH, HOWEVER, NRCA IS AWARE THAT PRE-MANUFACTURED BOOT FLASHINGS GENERALLY WILL NOT MEET THE HEIGHT REQUIREMENT.

SIMILAR DETAIL FOR MECHANICAL EQUIPMENT FRAMING SUPPORT PIPE.

D9 A8.2 PIPE PENETRATION DETAIL

SCALE: NTS" = 1'-0"



NOTES:

THE USE OF A METAL DECK SUMP PAN IS NOT RECOMMENDED. HOWEVER, DRAIN RECEIVER/BEARING PLATES ARE APPLICABLE WITH SOME PROJECTS.

THE DRAIN COMPONENTS BELOW THE DECK SHALL BE INSULATED 6' FROM DRAIN MIN. TO PREVENT POTENTIAL CONDENSATION.

MEMBRANE SEAMS SHOULD NOT INTERSECT DRAIN CLAMPING RING.

PROVIDE OVERFLOW DRAINS @ MAX 4" PRIMARY INTERNAL DRAINS (TYP)

D8 A8.2 TYP OVERFLOW ROOF DRAIN DETAIL

SCALE: NTS" = 1'-0"

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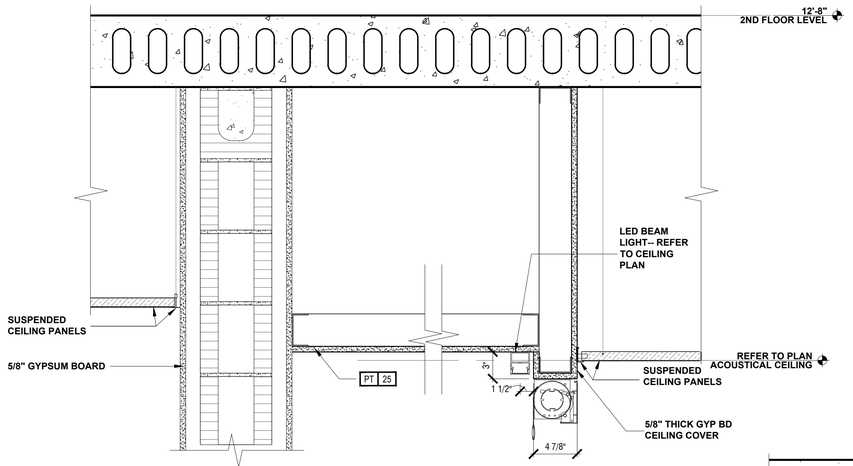
TRU HOTEL BY HILTON
RAJ PATEL
STUART, FLORIDA

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Construction Manager

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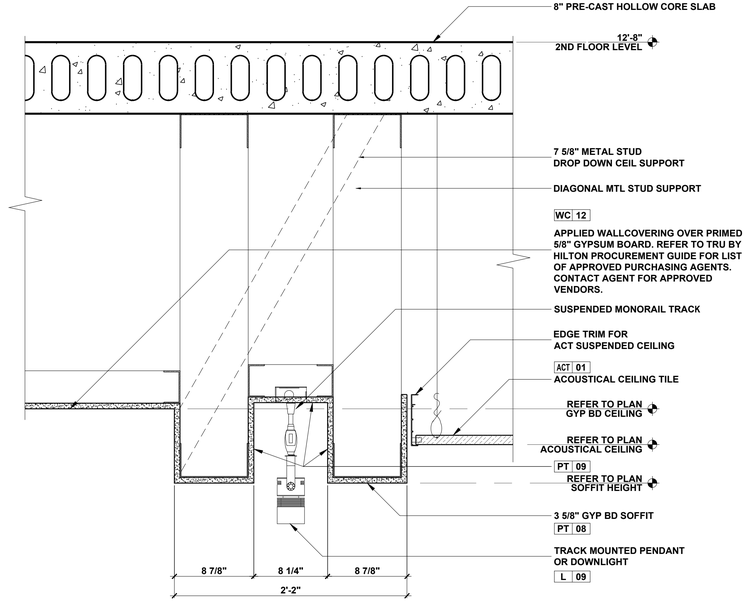
DATE
07-11-2024

SHEET
A8.2



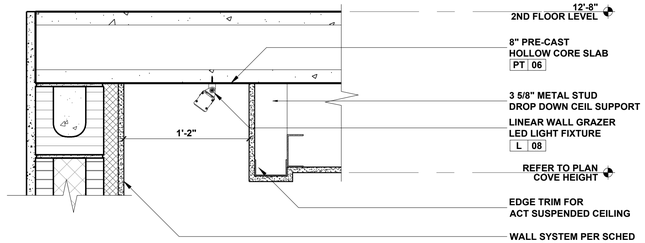
G7 A8.3 CEILING DETAIL

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



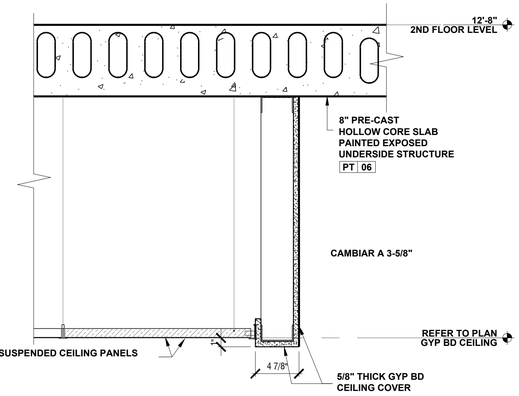
G5 A8.3 CEILING DETAIL

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



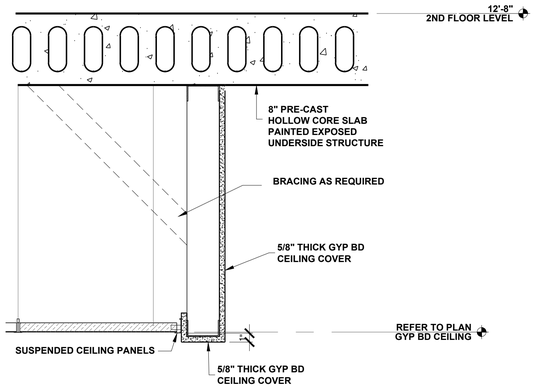
G3 A8.3 CEILING DETAIL

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



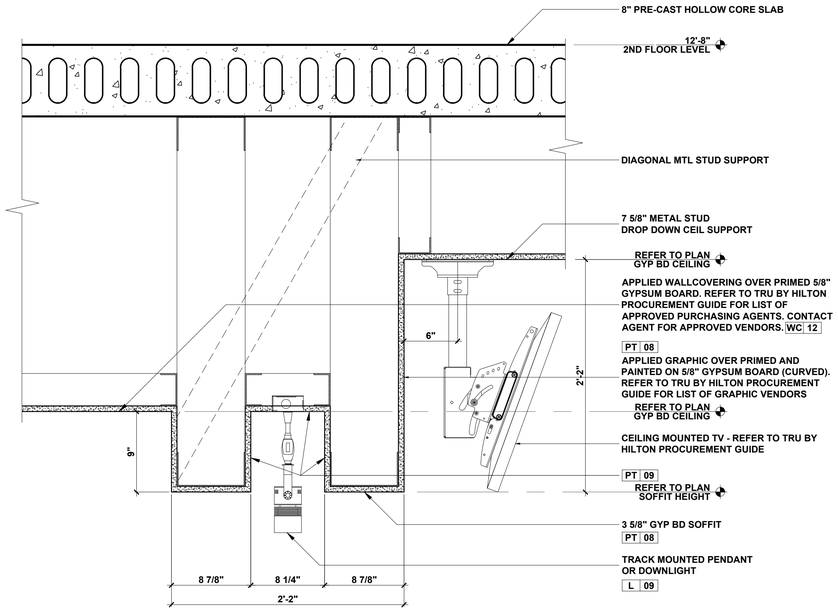
G2 A8.3 CEILING DETAIL

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



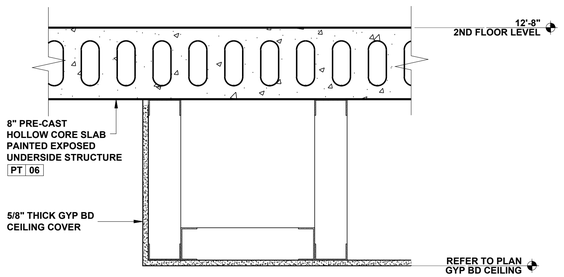
G6 A8.3 CEILING DETAIL

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



G4 A8.3 CEILING DETAIL

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



G1 A8.3 CEILING DETAIL

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

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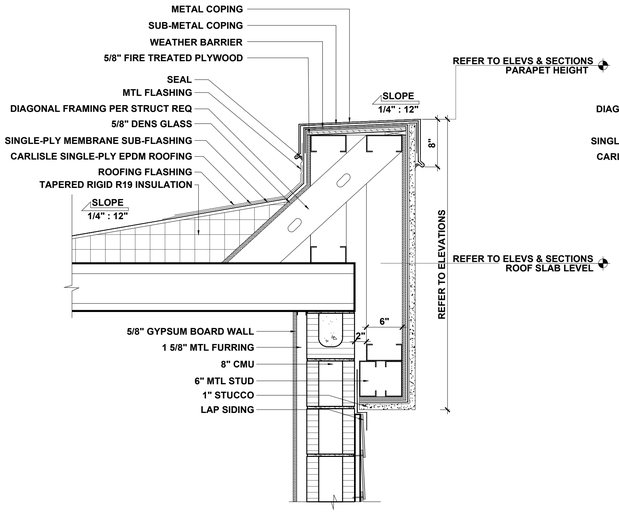
TRU HOTEL BY HILTON
RAJ PATEL
STUART, FLORIDA

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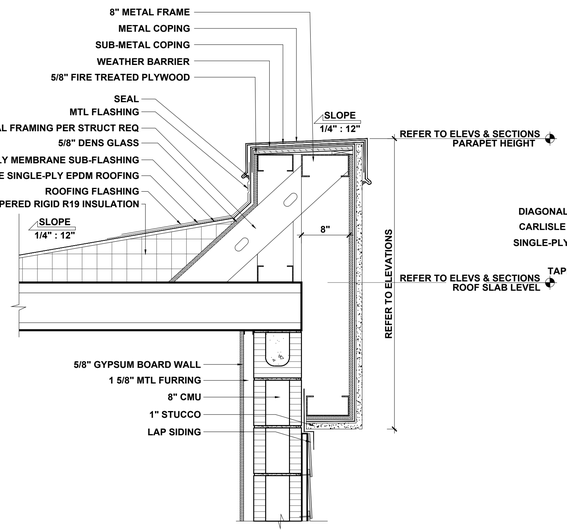
DATE
07-11-2024

SHEET
A8.3



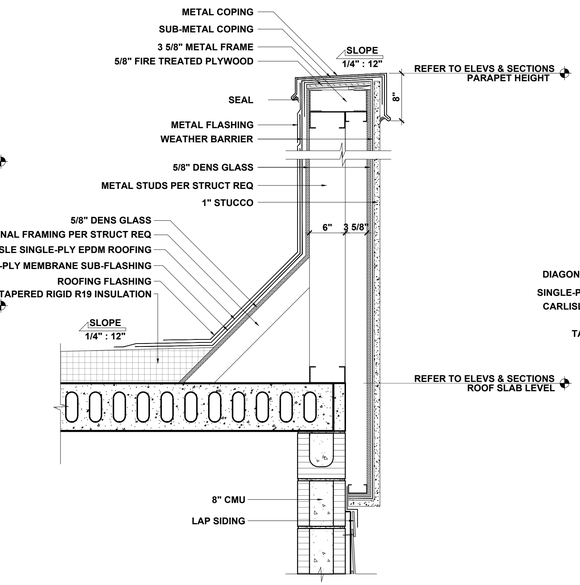
8 A8.4 PARAPET DETAIL

SCALE: 1 " = 1'-0"



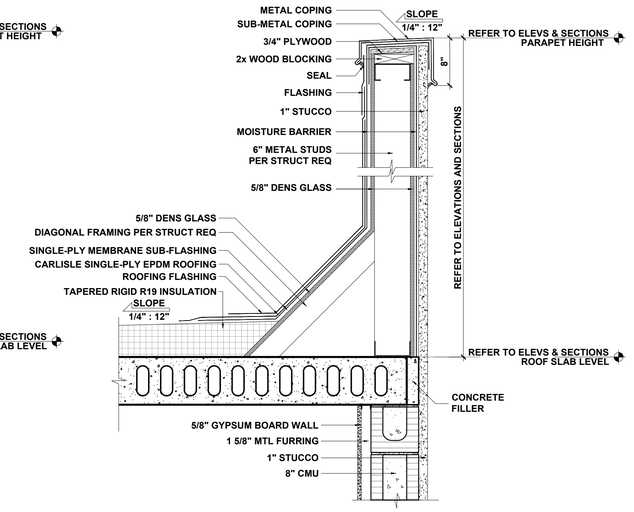
7 A8.4 PARAPET DETAIL

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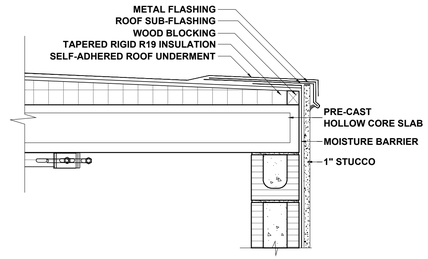
6 A8.4 PARAPET DETAIL

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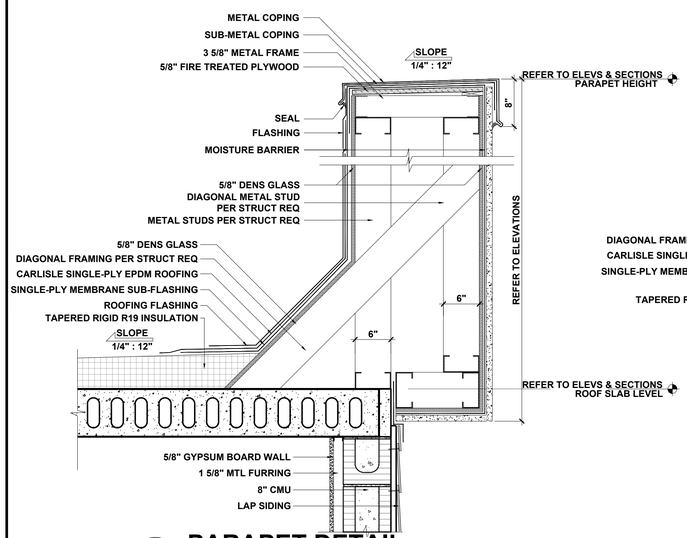
5 A8.4 PARAPET DETAIL

SCALE: 1 " = 1'-0"



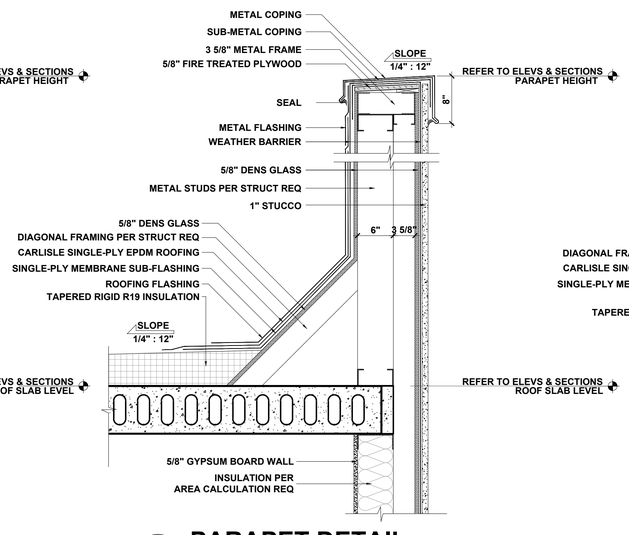
9 A8.4 ROOF DETAIL

SCALE: 3 " = 1'-0"



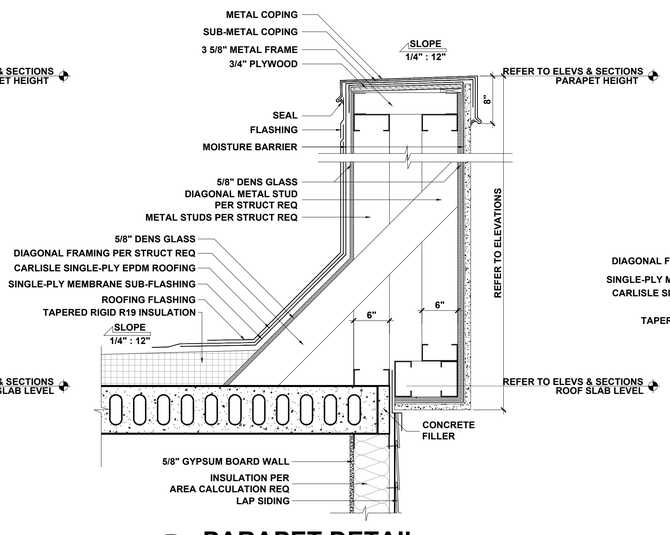
4 A8.4 PARAPET DETAIL

SCALE: 1 " = 1'-0"



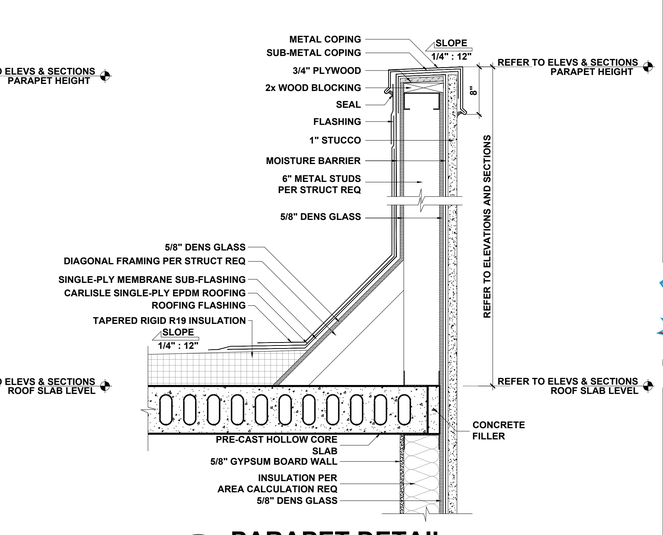
3 A8.4 PARAPET DETAIL

SCALE: 1 " = 1'-0"



2 A8.4 PARAPET DETAIL

SCALE: 1 " = 1'-0"



1 A8.4 PARAPET DETAIL

SCALE: 1 " = 1'-0"

PERMIT SET
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HARTER - ADAMS P.A.
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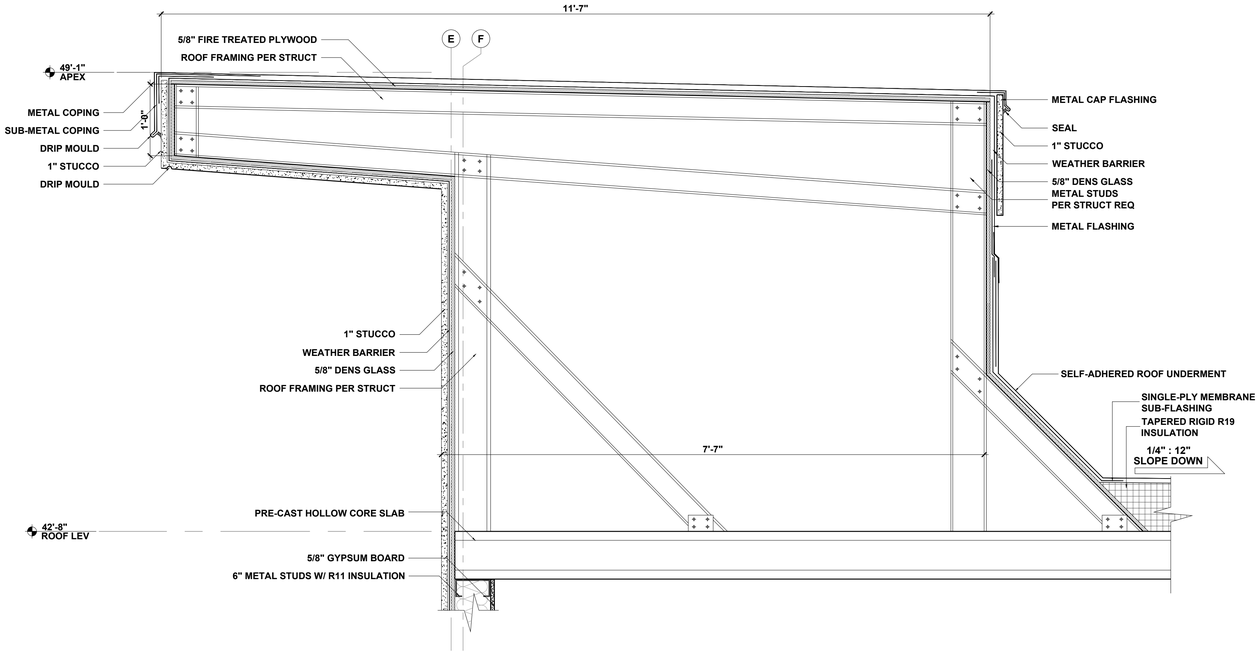
TRU HOTEL BY HILTON
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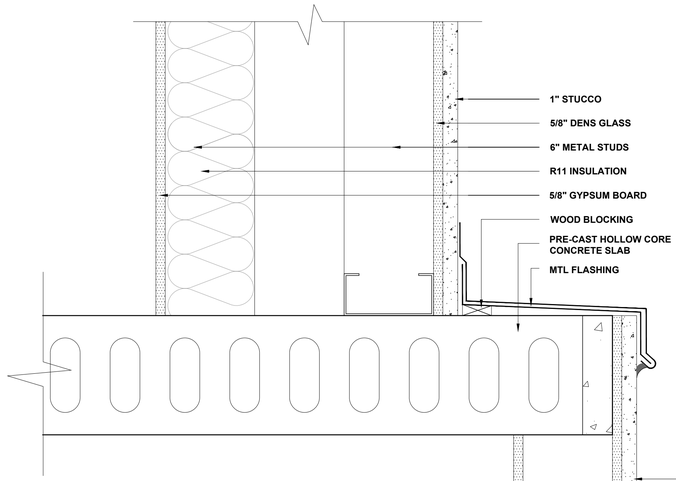
DATE
07-11-2024

SHEET
A8.4



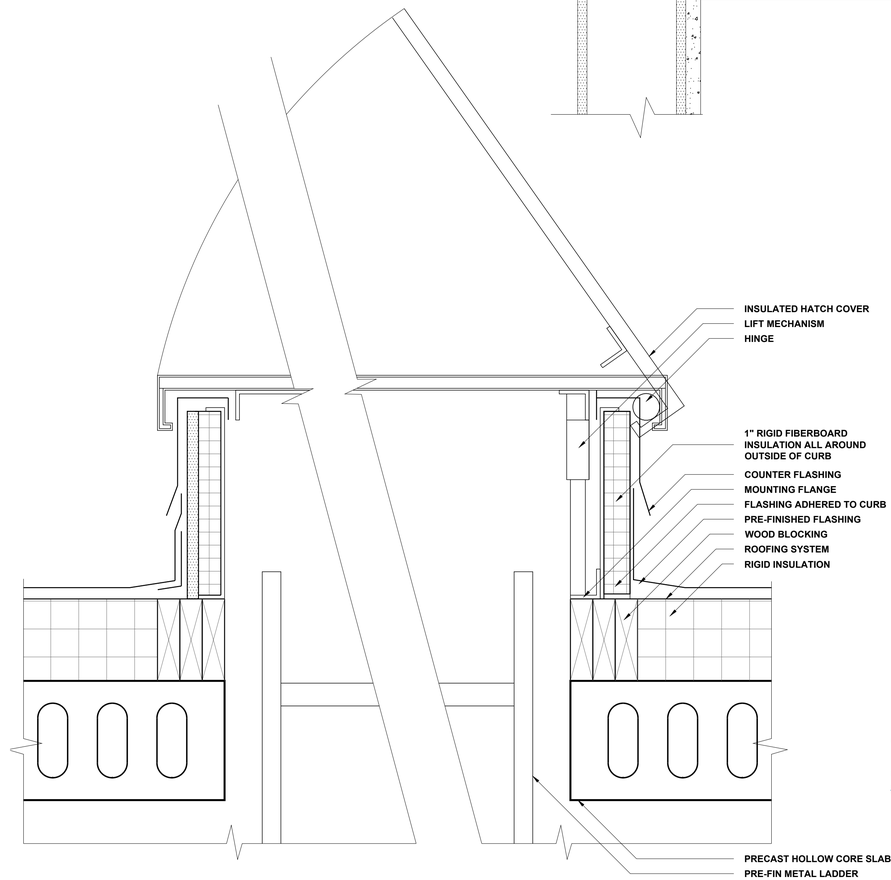
2 A8.5 PARAPET DETAIL

SCALE: 1 " = 1'-0"



3 A8.5 DETAIL

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



1 A8.5 ROOF LADDER ACCESS HATCH DETAIL

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

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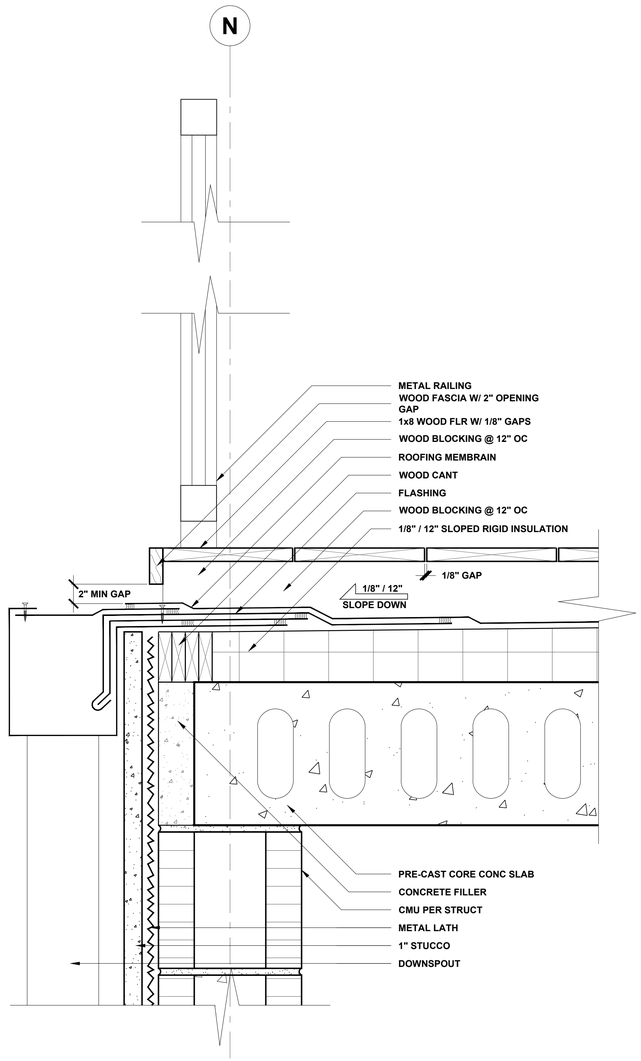
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RAJ PATEL
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Construction Manager

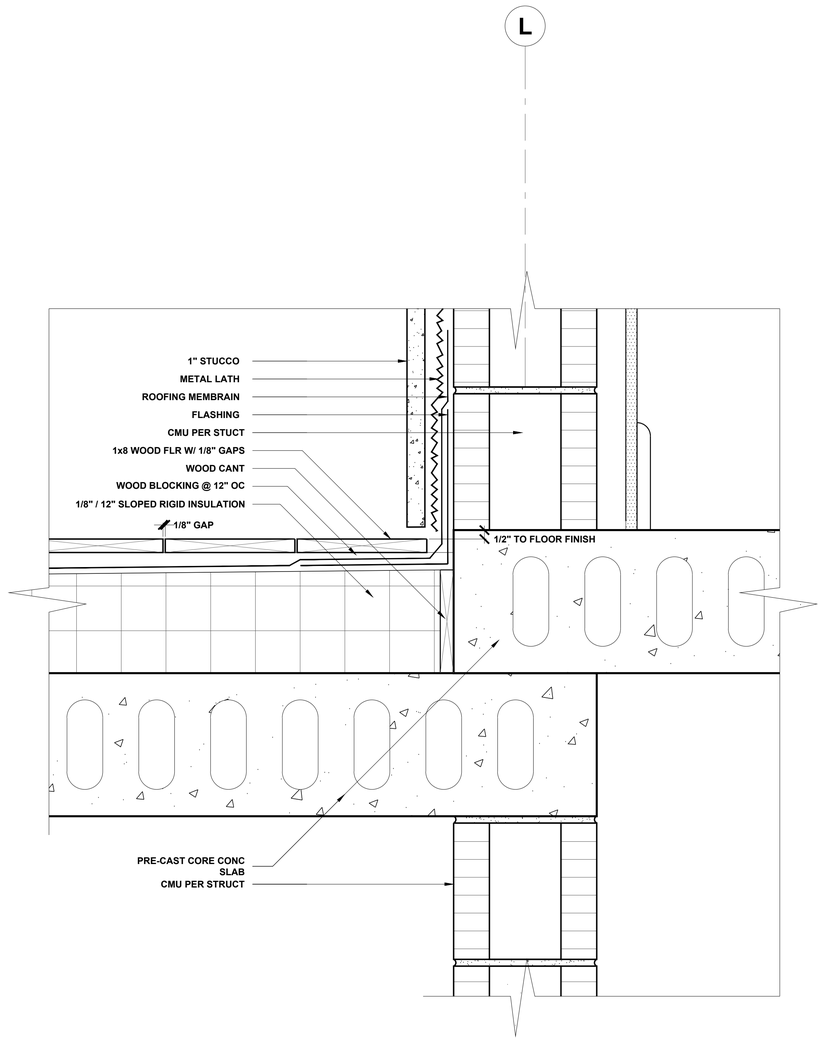
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22039

DATE
07-11-2024

SHEET
A8.5



2 A8.6 **DETAIL**
SCALE: 3 " = 1'-0"



1 A8.6 **DETAIL**
SCALE: 3 " = 1'-0"

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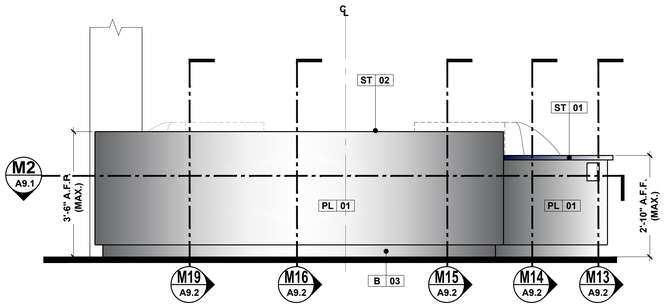
TRU HOTEL BY HILTON
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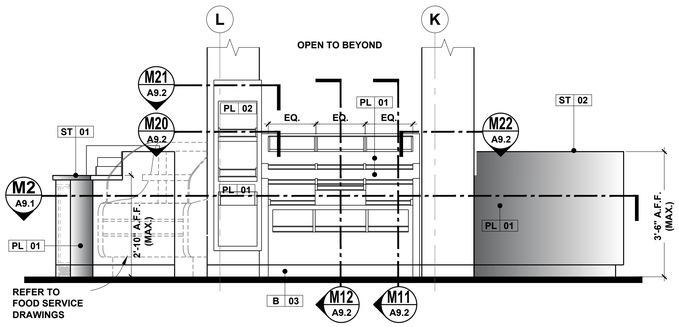
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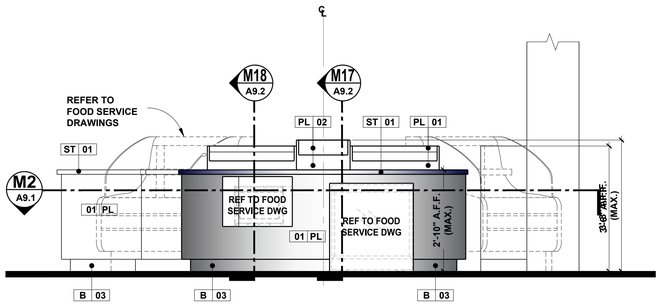
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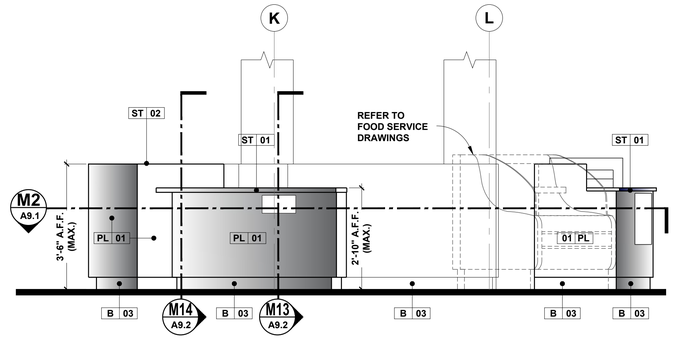
M7 A9.1 FRONT DESK ELEVATION
SCALE: 1/2 " = 1'-0"



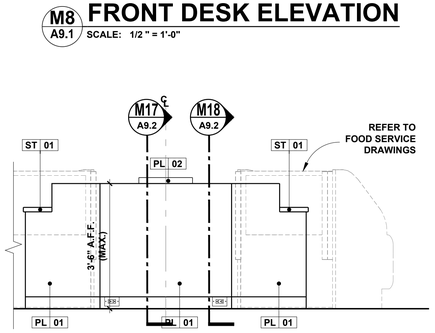
M3 A9.1 FRONT DESK ELEVATION
SCALE: 1/2 " = 1'-0"



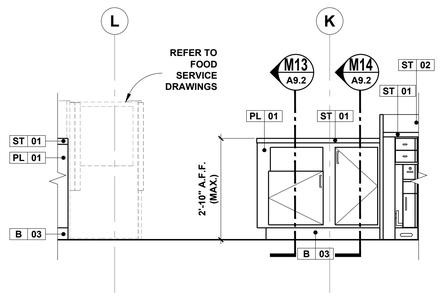
M8 A9.1 FRONT DESK ELEVATION
SCALE: 1/2 " = 1'-0"



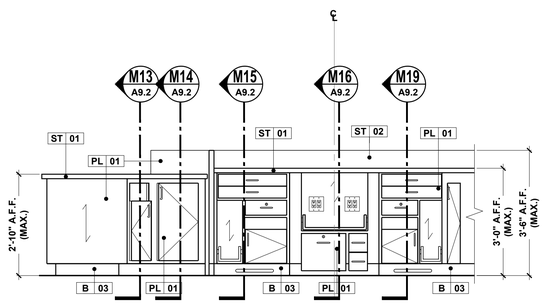
M4 A9.1 FRONT DESK ELEVATION
SCALE: 1/2 " = 1'-0"



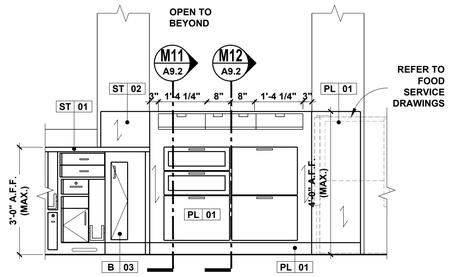
M9 A9.1 FRONT DESK SECTION
SCALE: 1/2 " = 1'-0"



M5 A9.1 FRONT DESK SECTION
SCALE: 1/2 " = 1'-0"

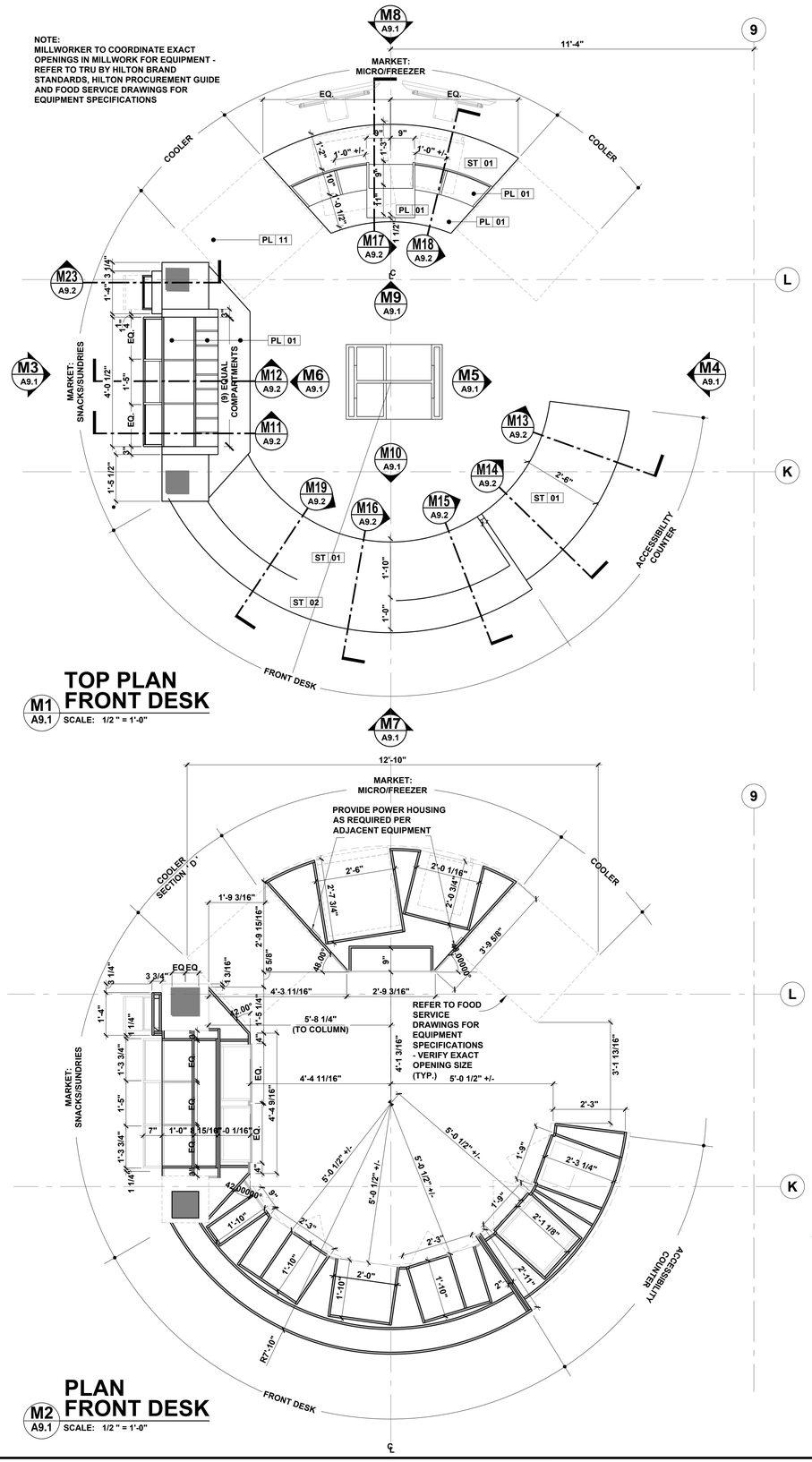


M10 A9.1 FRONT DESK SECTION
SCALE: 1/2 " = 1'-0"



M6 A9.1 FRONT DESK SECTION
SCALE: 1/2 " = 1'-0"

NOTE:
MILLWORKER TO COORDINATE EXACT OPENINGS IN MILLWORK FOR EQUIPMENT - REFER TO TRU BY HILTON BRAND STANDARDS, HILTON PROCUREMENT GUIDE AND FOOD SERVICE DRAWINGS FOR EQUIPMENT SPECIFICATIONS



M1 A9.1 TOP PLAN FRONT DESK
SCALE: 1/2 " = 1'-0"

M2 A9.1 PLAN FRONT DESK
SCALE: 1/2 " = 1'-0"

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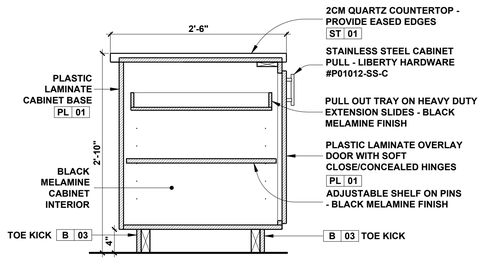
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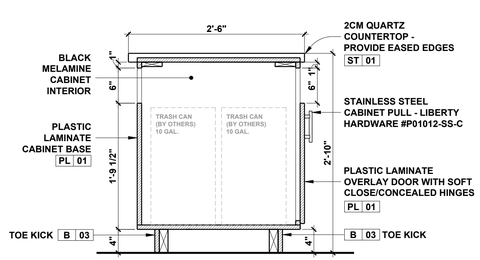
DATE
07-11-2024

SHEET
A9.1



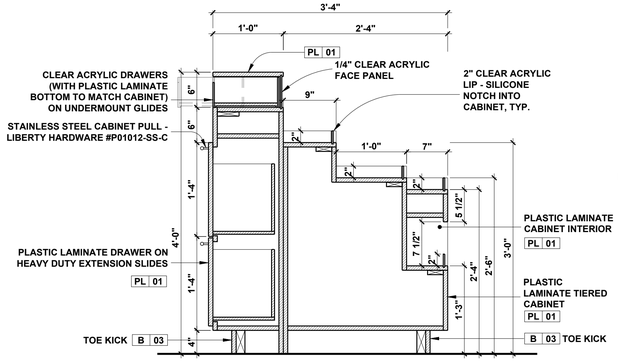
SECTION DETAIL FRONT DESK

M14 / A9.2 SCALE: 1 " = 1'-0"



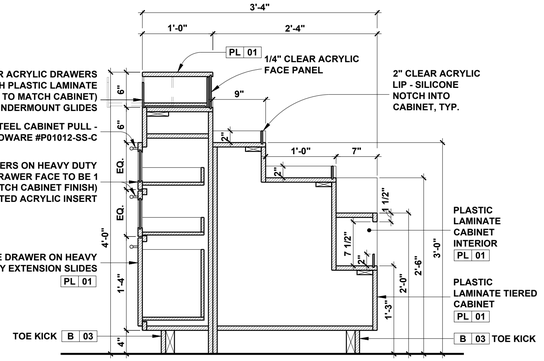
SECTION DETAIL FRONT DESK

M13 / A9.2 SCALE: 1 " = 1'-0"



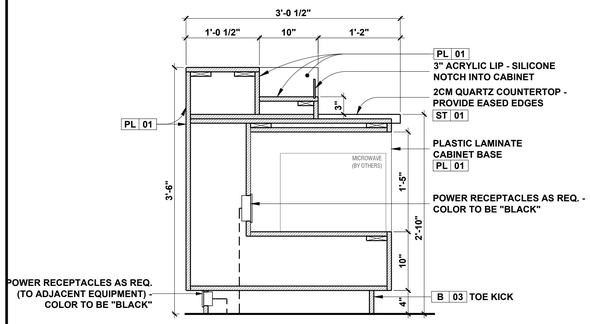
SECTION DETAIL FRONT DESK

M12 / A9.2 SCALE: 1 " = 1'-0"



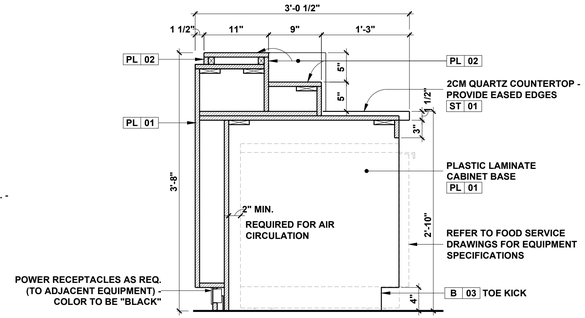
SECTION DETAIL FRONT DESK

M11 / A9.2 SCALE: 1 " = 1'-0"



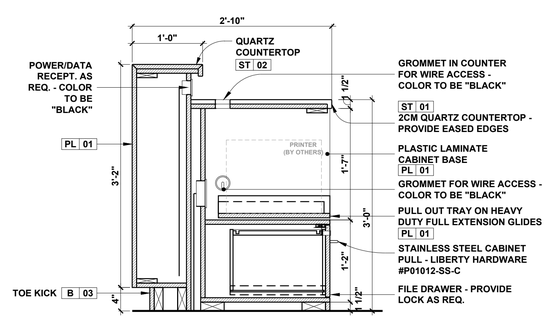
SECTION DETAIL FRONT DESK

M18 / A9.2 SCALE: 1 " = 1'-0"



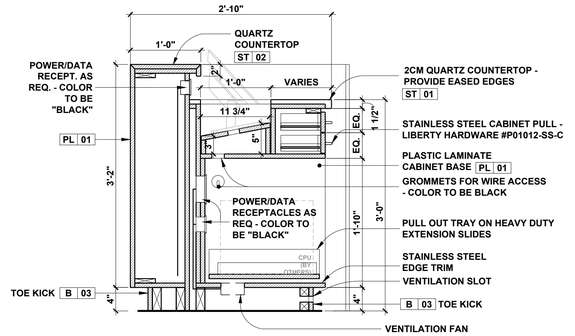
SECTION DETAIL FRONT DESK

M17 / A9.2 SCALE: 1 " = 1'-0"



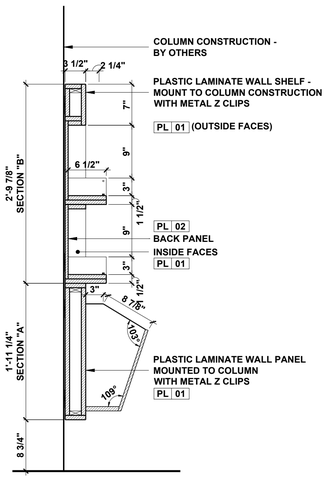
SECTION DETAIL FRONT DESK

M16 / A9.2 SCALE: 1 " = 1'-0"



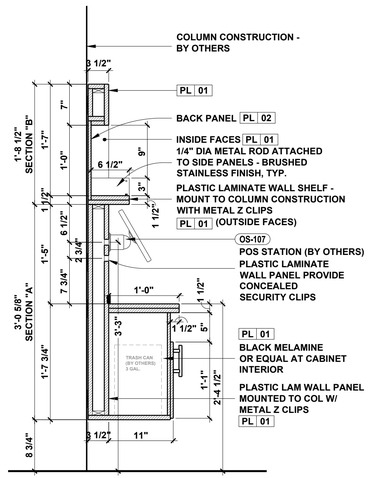
SECTION DETAIL FRONT DESK

M15 / A9.2 SCALE: 1 " = 1'-0"



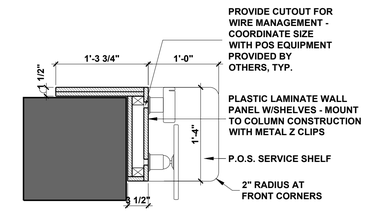
SECTION DETAIL FRONT DESK

M24 / A9.2 SCALE: 1 " = 1'-0"



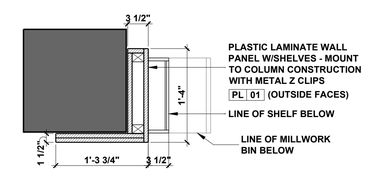
SECTION DETAIL FRONT DESK

M23 / A9.2 SCALE: 1 " = 1'-0"



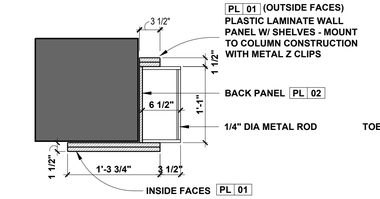
SECTION DETAIL FRONT DESK

M22 / A9.2 SCALE: 1 " = 1'-0"



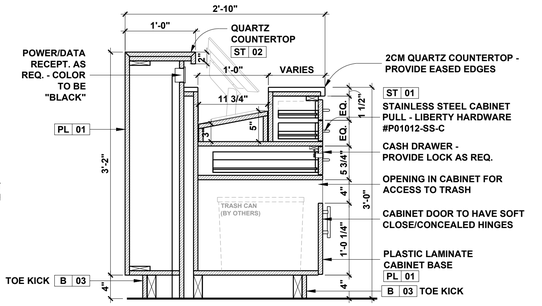
SECTION DETAIL FRONT DESK

M21 / A9.2 SCALE: 1 " = 1'-0"



SECTION DETAIL FRONT DESK

M20 / A9.2 SCALE: 1 " = 1'-0"



SECTION DETAIL FRONT DESK

M19 / A9.2 SCALE: 1 " = 1'-0"

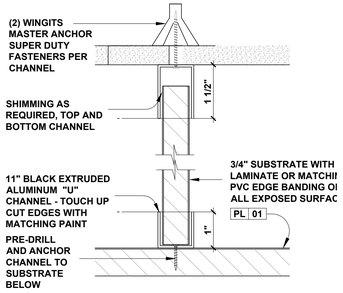
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AA C000606

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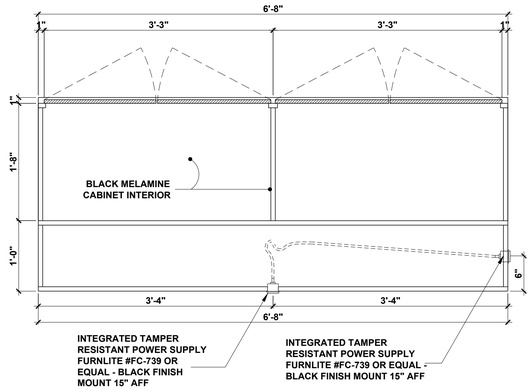
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JOB NO. 22039
DATE 07-11-2024
SHEET A9.2



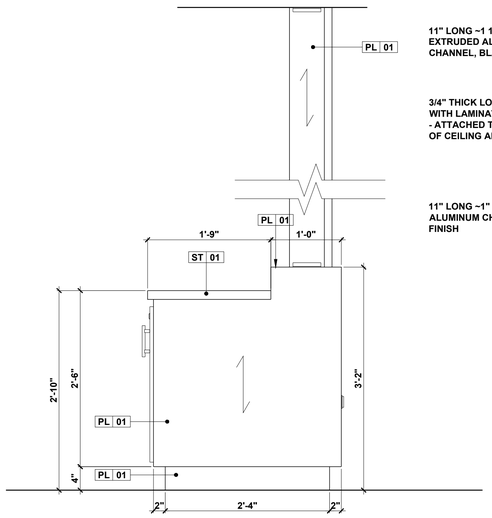
C6 A9.3 LOUVER PANEL DETAIL

SCALE: 1 " = 1'-0"



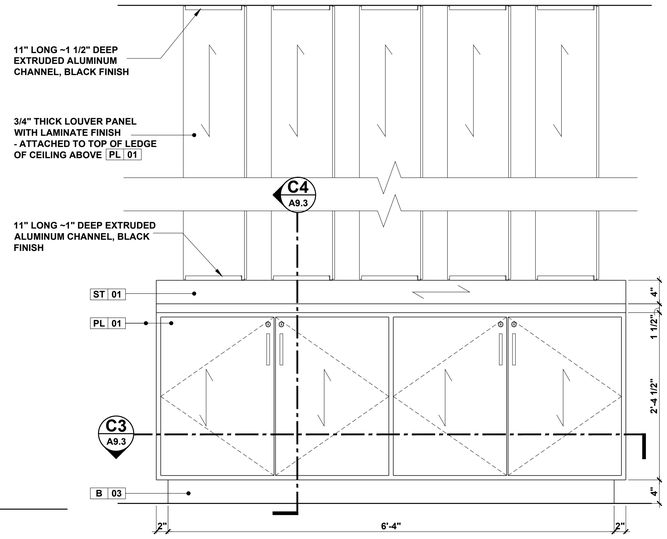
C3 A9.3 COFFEE STATION PLAN SECTION

SCALE: 1 " = 1'-0"



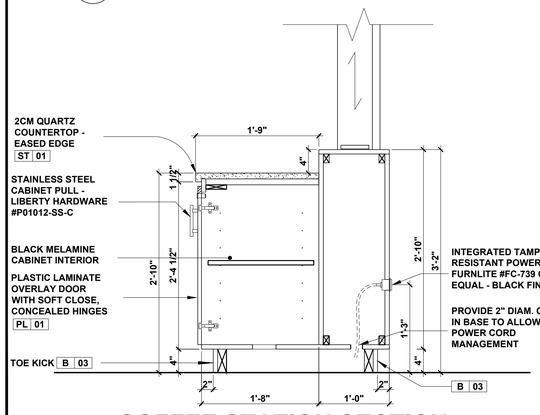
C5 A9.3 COFFEE STATION ELEVATION

SCALE: 1 " = 1'-0"



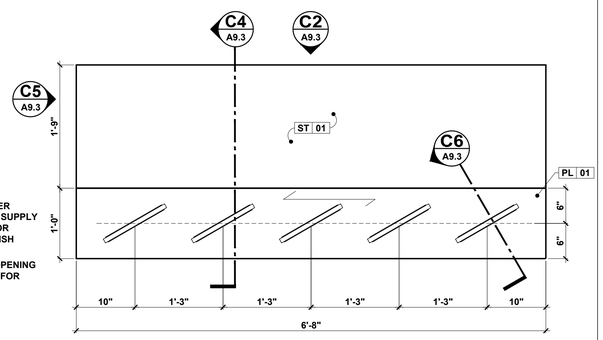
C2 A9.3 COFFEE STATION PLAN SECTION

SCALE: 1 " = 1'-0"



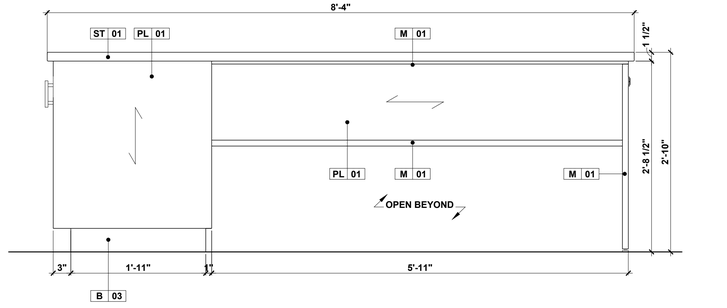
C4 A9.3 COFFEE STATION SECTION

SCALE: 1 " = 1'-0"



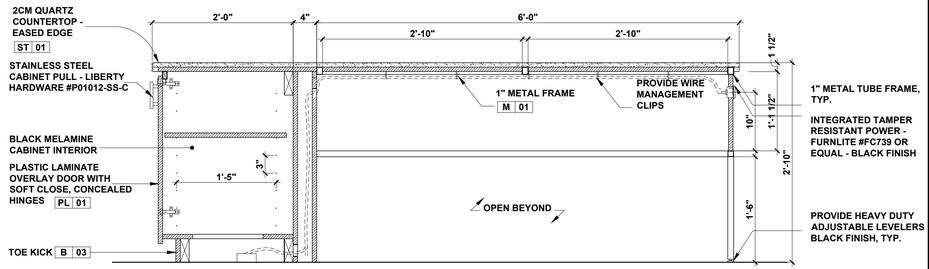
C1 A9.3 COFFEE STATION PLAN

SCALE: 1 " = 1'-0"



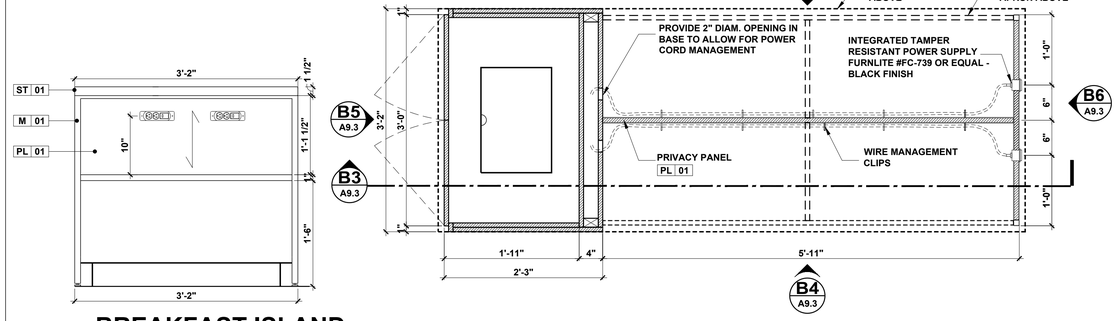
B4 A9.3 BREAKFAST ISLAND ELEVATON

SCALE: 1 " = 1'-0"



B3 A9.3 BREAKFAST ISLAND SECTION

SCALE: 1 " = 1'-0"

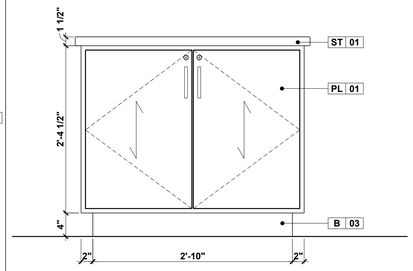


B2 A9.3 BREAKFAST ISLAND PLAN SECTION

SCALE: 1 " = 1'-0"

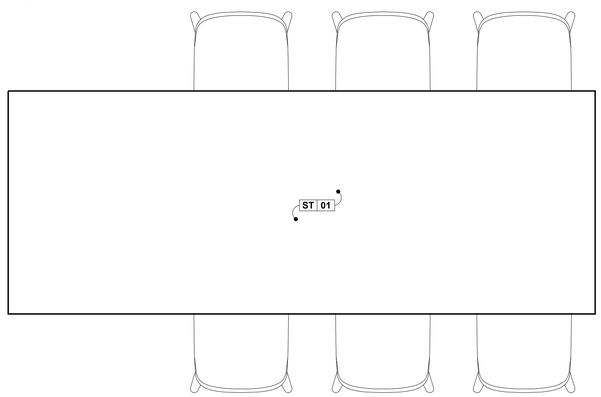
B6 A9.3 BREAKFAST ISLAND ELEVATION

SCALE: 1 " = 1'-0"



B5 A9.3 BREAKFAST ISLAND ELEVATION

SCALE: 1 " = 1'-0"



B1 A9.3 BREAKFAST ISLAND PLAN

SCALE: 1 " = 1'-0"

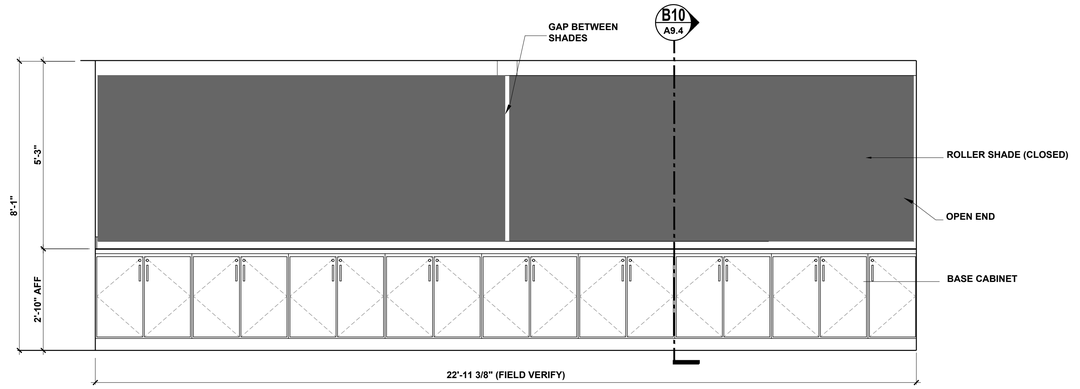
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HARTER - ADAMS P.A.
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AA C000606

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RAJ PATEL
STUART, FLORIDA

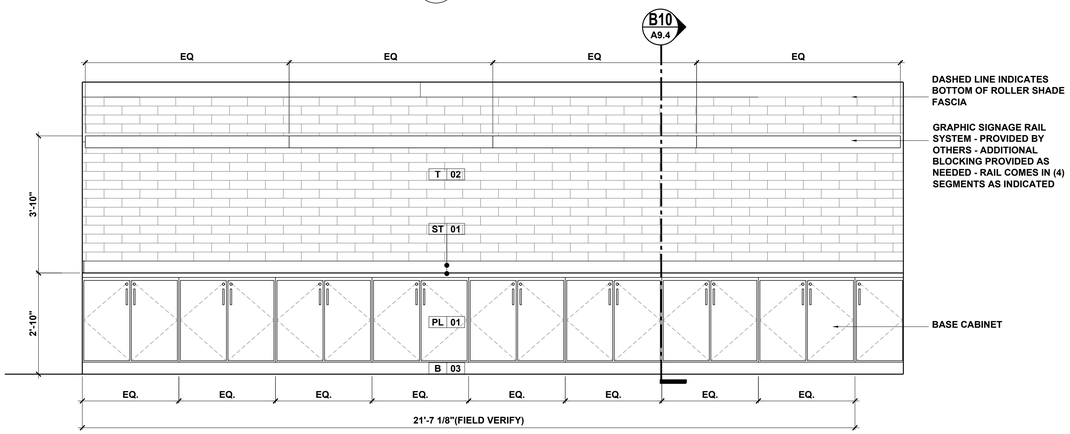
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JOB NO. 22039
DATE 07-11-2024
SHEET A9.3



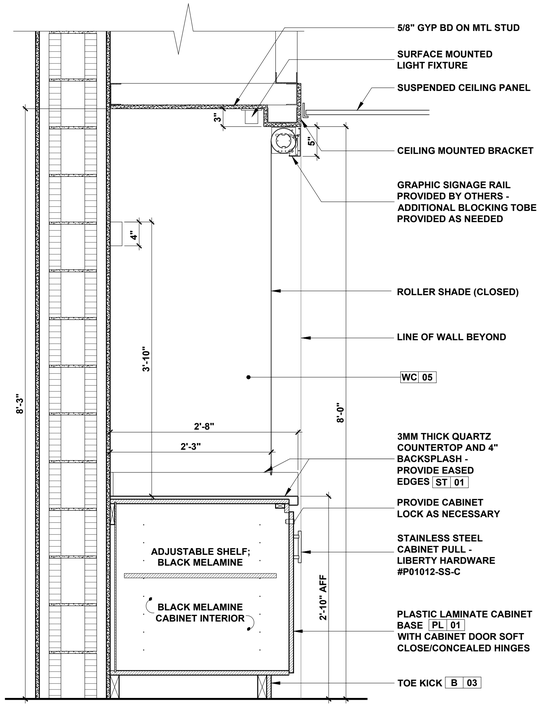
B9 A9.4 BREAKFAST COUNTER ELEVATION

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



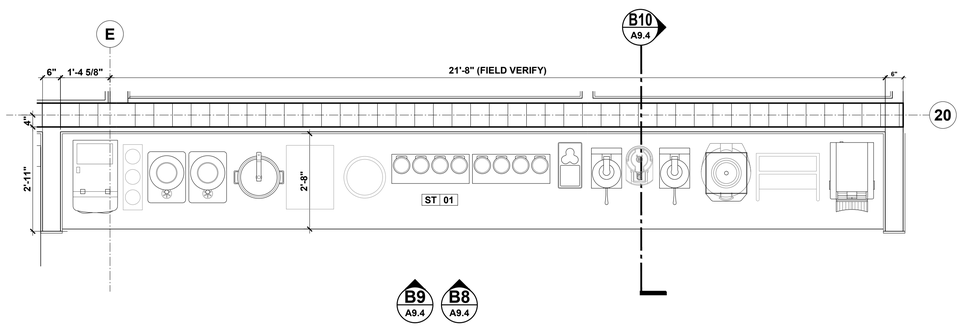
B8 A9.4 BREAKFAST COUNTER ELEVATION

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



B10 A9.4 BREAKFAST COUNTER SECTION

SCALE: 1 " = 1'-0"



B7 A9.4 BREAKFAST COUNTER PLAN

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

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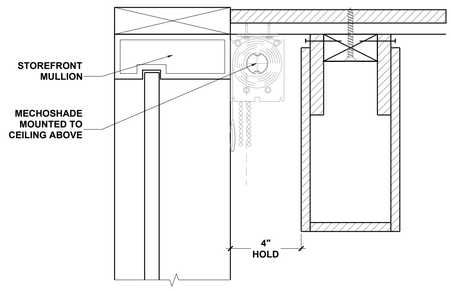
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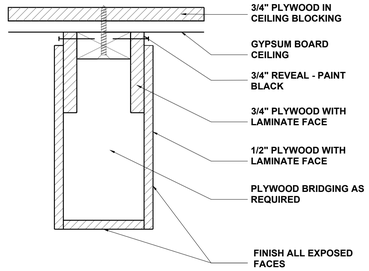
JOB NO.
22039

DATE
07-11-2024

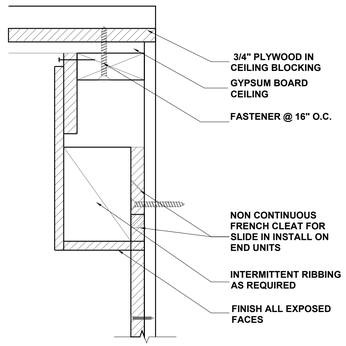
SHEET
A9.4



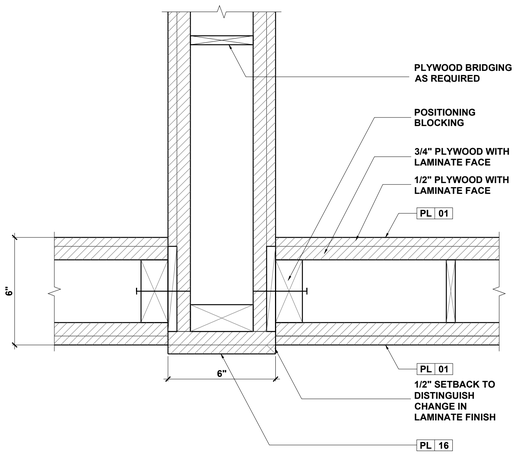
A9 DETAIL
A9.5 SCALE: 3 " = 1'-0"



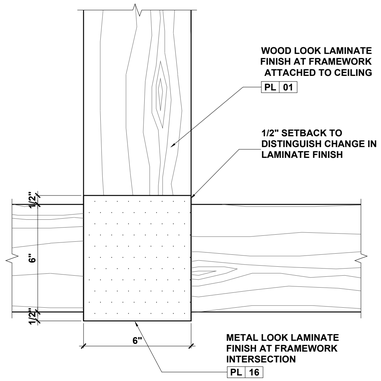
A8 DETAIL
A9.5 SCALE: 3 " = 1'-0"



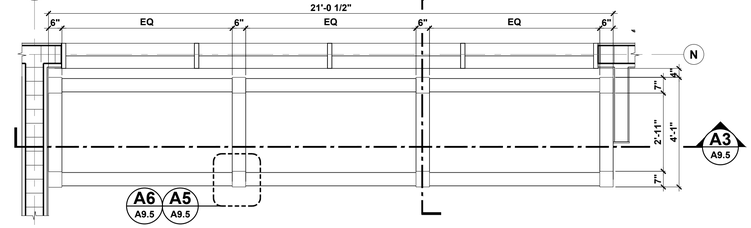
A7 DETAIL
A9.5 SCALE: 3 " = 1'-0"



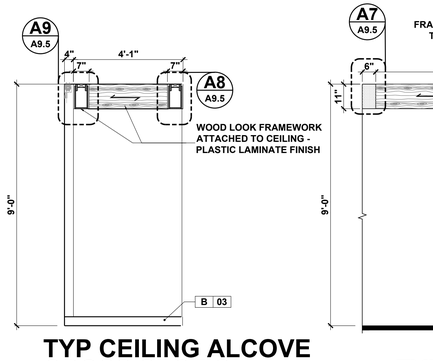
A6 DETAIL PLAN SECTION
A9.5 SCALE: 3 " = 1'-0"



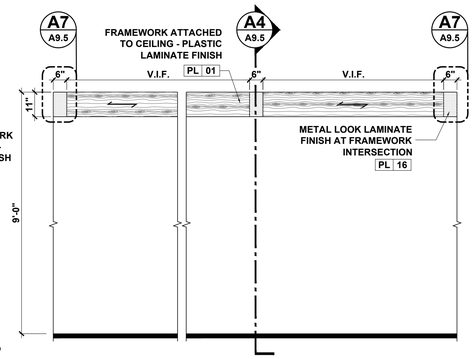
A5 DETAIL PLAN
A9.5 SCALE: 3 " = 1'-0"



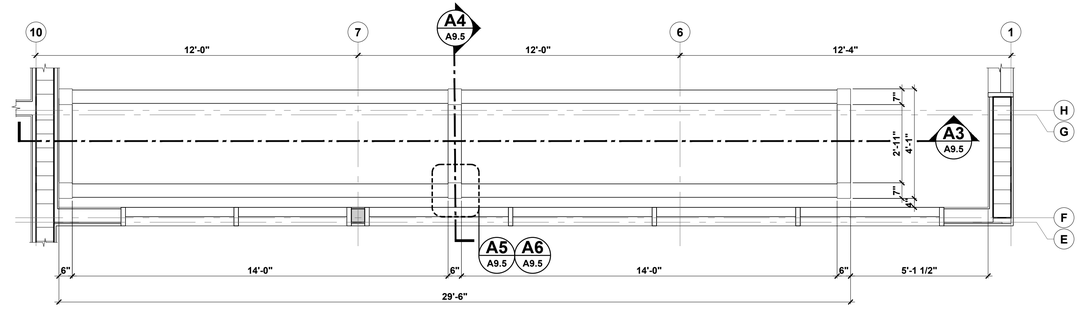
A2 CEILING ALCOVE PLAN @ DINING
A9.5 SCALE: 3/8 " = 1'-0"



TYP CEILING ALCOVE CROSS SECTION
A4 A9.5 SCALE: 3/8 " = 1'-0"



A3 TYP CEILING ALCOVE ELEVATION
A9.5 SCALE: 3/8 " = 1'-0"



A1 CEILING ALCOVE PLAN @ LOUNGE
A9.5 SCALE: 3/8 " = 1'-0"

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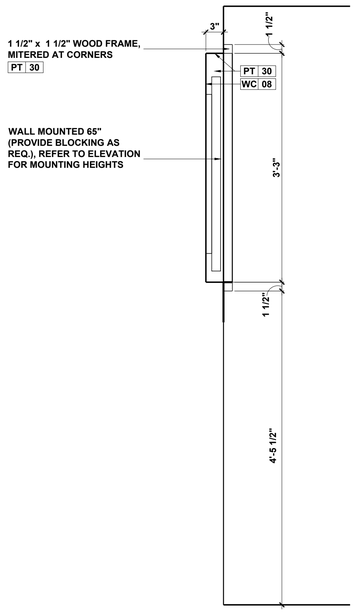
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STUART, FLORIDA

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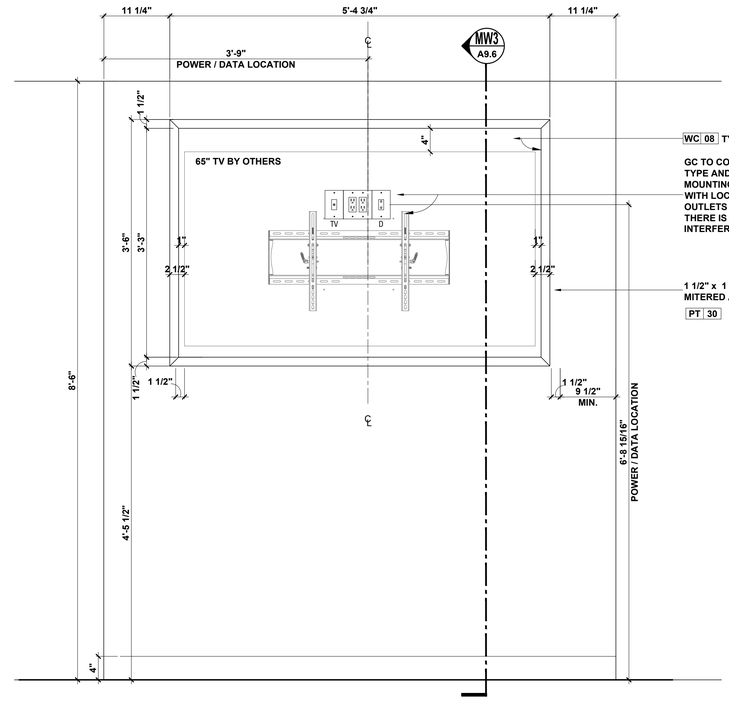
JOB NO.
22039

DATE
07-11-2024

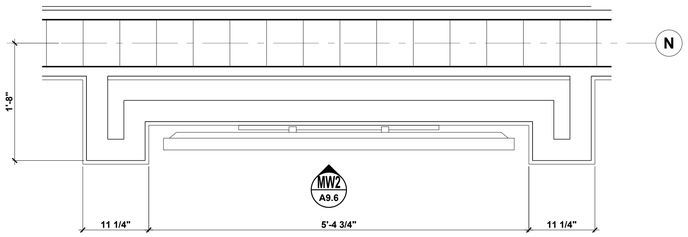
SHEET
A9.5



MW3 A9.6 **MEDIA WALL SECTION**
SCALE: 1 " = 1'-0"



MW2 A9.6 **MEDIA WALL ELEVATION**
SCALE: 1 " = 1'-0"



MW1 A9.6 **MEDIA WALL PLAN**
SCALE: 1 " = 1'-0"

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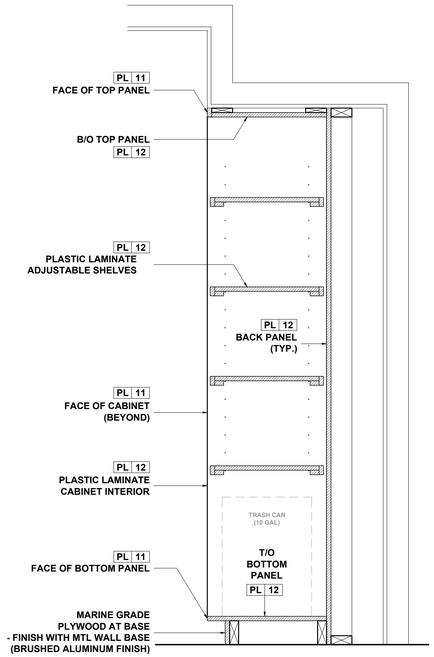
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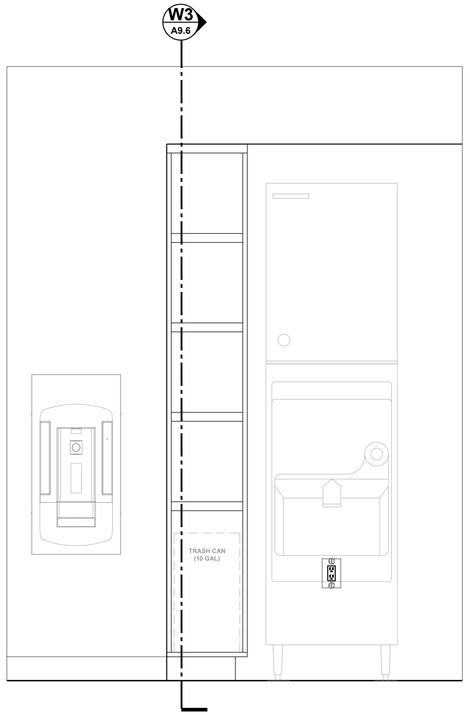
DATE
07-11-2024

SHEET
A9.6



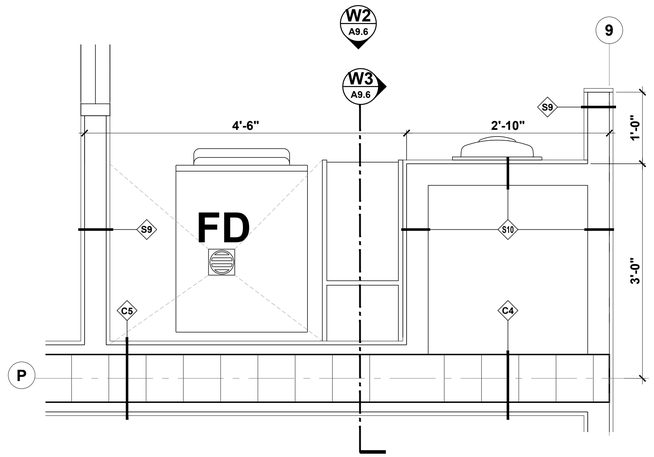
W3 A9.7 ICE WATER STATION SECTION

SCALE: 1 " = 1'-0"



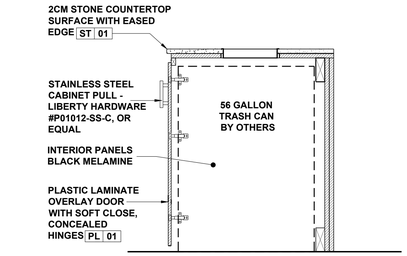
W2 A9.7 ICE WATER STATION ELEVATION

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



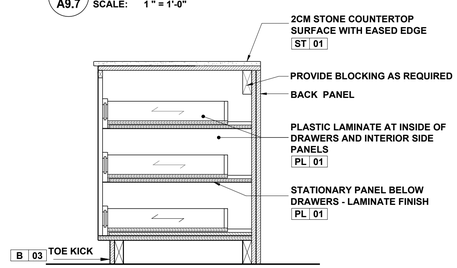
W1 A9.7 ICE WATER STATION PLAN

SCALE: 1 " = 1'-0"



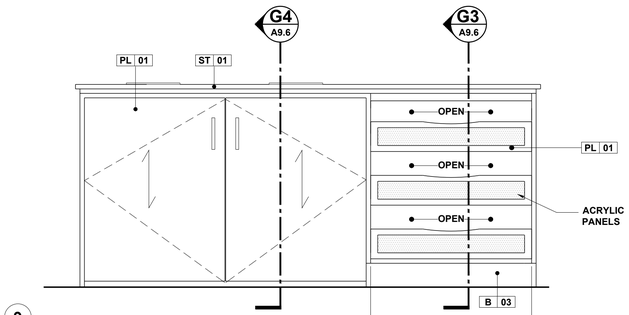
G4 A9.7 GAME STORAGE SECTION DETAIL

SCALE: 1 " = 1'-0"



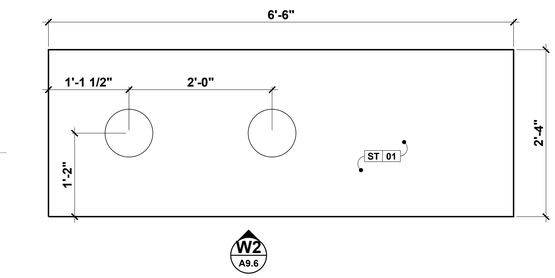
G3 A9.7 GAME STORAGE SECTION DETAIL

SCALE: 1 " = 1'-0"



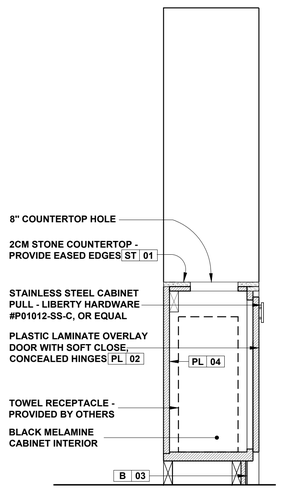
G2 A9.7 GAME STORAGE ELEVATION

SCALE: 1 " = 1'-0"



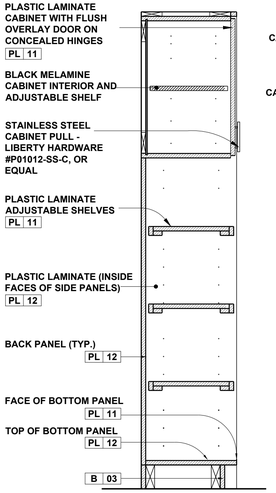
G1 A9.7 GAME STORAGE-PLAN

SCALE: 1 " = 1'-0"



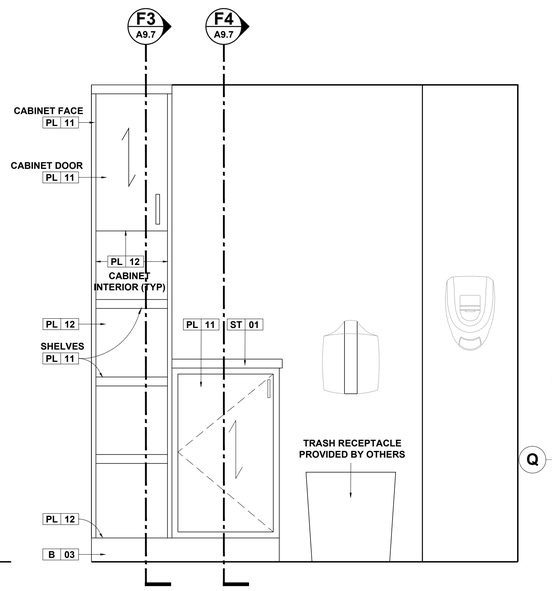
F4 A9.7 FITNESS SECTION

SCALE: 1 " = 1'-0"



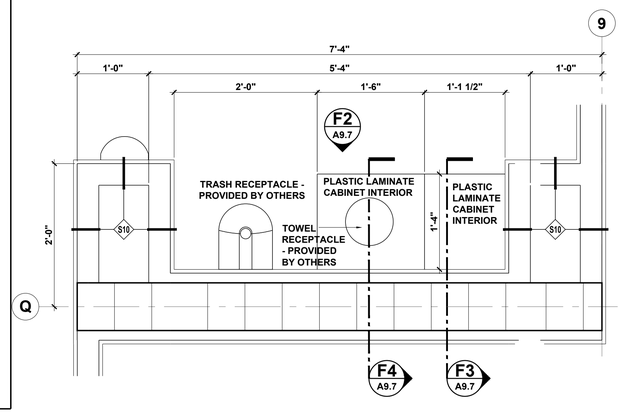
F3 A9.7 FITNESS SECTION

SCALE: 1 " = 1'-0"



F2 A9.7 FITNESS ELEVATION

SCALE: 1 " = 1'-0"



F1 A9.7 FITNESS MILLWORK PLAN

SCALE: 1 " = 1'-0"

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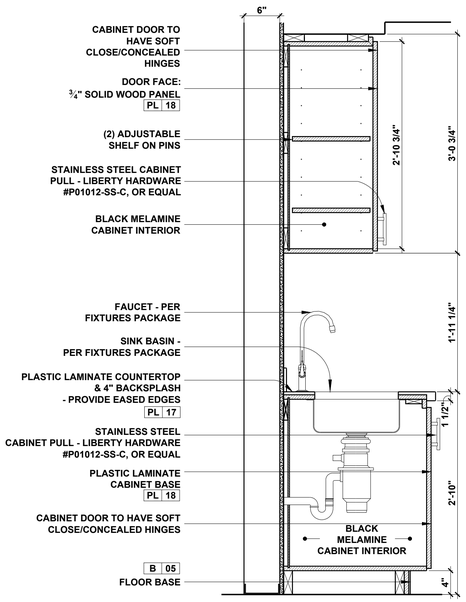
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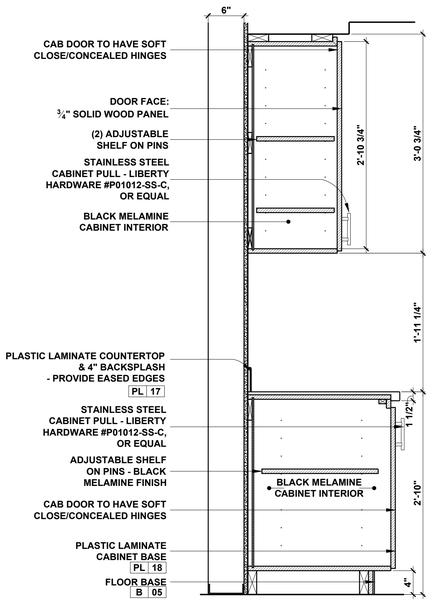
DATE
07-11-2024

SHEET
A9.7



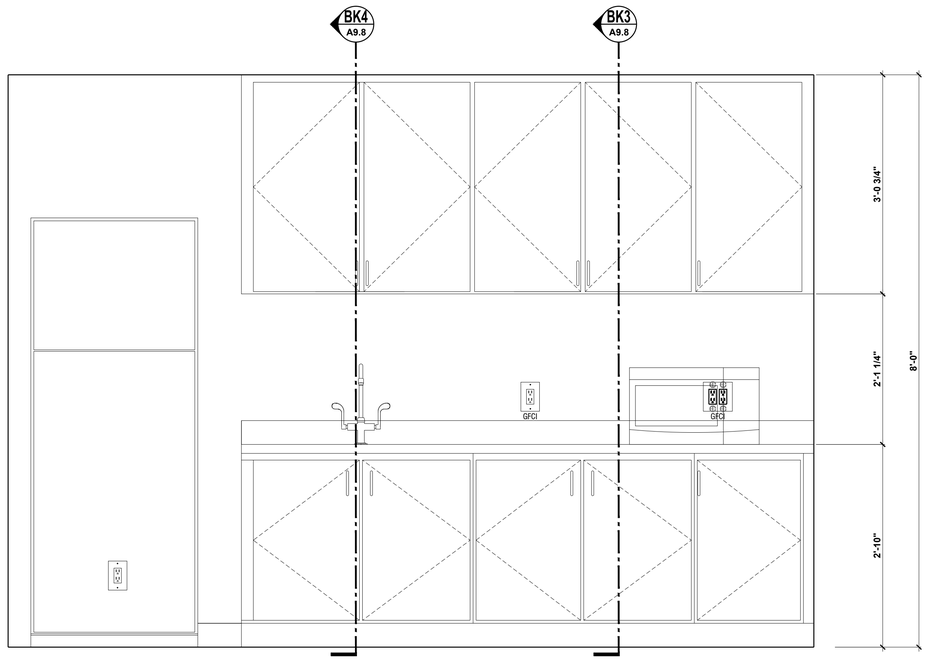
SECTION BREAKROOM KITCHENETTE

BK4 A9.8 SCALE: 1 " = 1'-0"



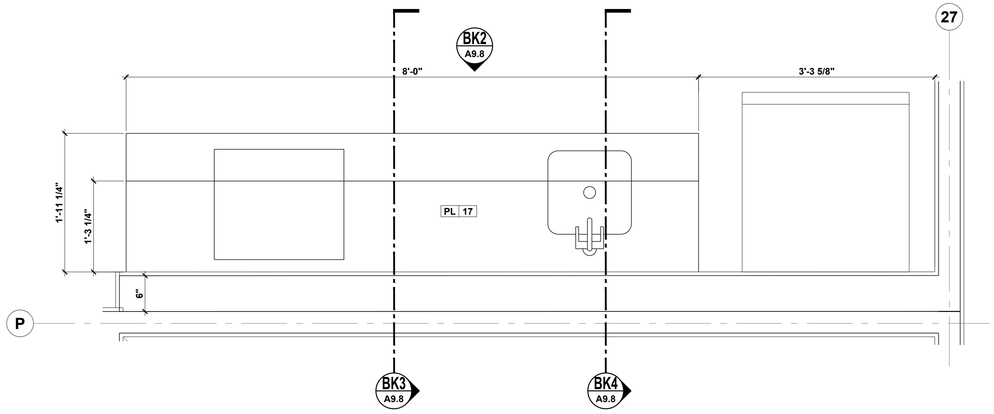
SECTION BREAKROOM KITCHENETTE

BK3 A9.8 SCALE: 1 " = 1'-0"



BREAKROOM KITCHENETTE ELEVATION

BK2 A9.8 SCALE: 1 " = 1'-0"



BREAKROOM KITCHENETTE PLAN

BK1 A9.8 SCALE: 1 " = 1'-0"

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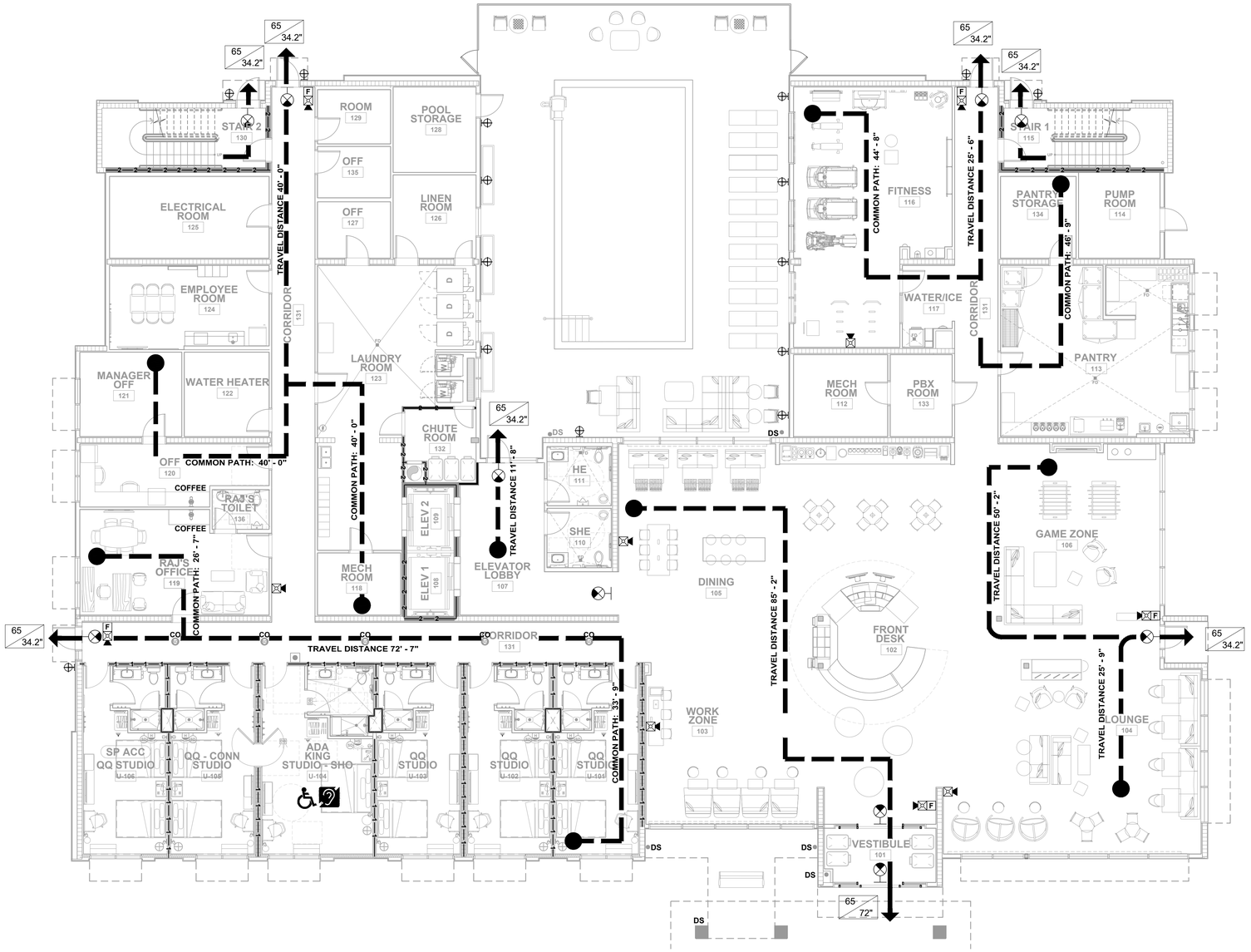
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Construction Manager

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DATE 07-11-2024
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1ST FLOOR UNIT DATA

UNIT TYPE	TOTAL	SHO/TUB	ADA UNIT/S	SPECIAL ACCESSIBILITY	HEARING IMPAIRED UNITS
KING - STUDIO ADA	1 UNIT	TUB	U-104		U-104
QQ - STUDIO	3UNITS	SHO			
QQ STUDIO (SP ACC)	1 UNIT	SHO		U-106	
QQ - STUDIO CONNECTING	1 UNIT	SHO			
TOTAL UNITS: 6 UNITS			1 UNIT	1 UNIT	1 UNIT

TOTAL FLOOR BUILDING AREA: 13,321 SQ. FT.

LEGEND

- EXIT SIGN
- FIRE EXTINGUISHER IN CABINET
- FIRE ALARM STATION
- FIRE ALARM HORN AND STROBE COMBINATION
- FIRE ALARM STROBE
- MEANS OF EGRESS
- ONE (1) HOUR WALL
- TWO (2) HOUR WALL
- NUMBER OF OCCUPANTS/EXIT DOOR
- 108 / 34.2" — REQUIRED EXIT WIDTH

NOTES

ALL SIGNS INDICATED TO BE PROVIDED AND INSTALLED BY CONTRACTOR

PROVIDE FIRE EXTINGUISHERS HAVING A MINIMUM RATING OF 2A-10B-C FOR EVERY 3000 SQUARE FEET OF FLOOR AREA. TRAVEL DISTANCE TO AN EXTINGUISHER SHALL NOT EXCEED 75 FEET. MOUNT AT 33\" A.F.F. INSTALLED IN APPROPRIATE LOCATIONS AS DIRECTED BY FIRE MARSHALL TO MEET LOCAL CODES.

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DATE
07-11-2024

SHEET
LS1.1



2ND FLOOR UNIT DATA

UNIT TYPE	TOTAL	SHO/TUB	ADA UNIT/S	SPECIAL ACCESSIBILITY	HEARING IMPAIRED UNITS
KING - STUDIO	16 UNITS	SHO			U-232
KING STUDIO (SP ACC)	1 UNIT	SHO		U-230	
KING - STUDIO ADA	1 UNIT	TUB	U-221		U-221
QQ - STUDIO	11 UNITS	SHO			U-205
QQ - STUDIO CONNECTING	2 UNITS	SHO			
QQ - STUDIO ADA	1 UNIT	TUB	U-215		U-215
TOTAL UNITS: 32 UNITS / FLOOR			2 UNITS	1 UNIT	4 UNITS
TOTAL FLOOR BUILDING AREA: 12523 SQ. FT.					

LEGEND

- EXIT SIGN
- FEC — FIRE EXTINGUISHER IN CABINET
- F — FIRE ALARM STATION
- F — FIRE ALARM HORN AND STROBE COMBINATION
- F — FIRE ALARM STROBE
- MEANS OF EGRESS
- ONE (1) HOUR WALL
- TWO (2) HOUR WALL
- NUMBER OF OCCUPANTS/EXIT DOOR
- 108 / 34.2" — REQUIRED EXIT WIDTH

NOTES

ALL SIGNS INDICATED TO BE PROVIDED AND INSTALLED BY CONTRACTOR

PROVIDE FIRE EXTINGUISHERS HAVING A MINIMUM RATING OF 2A-10B-C FOR EVERY 3000 SQUARE FEET OF FLOOR AREA. TRAVEL DISTANCE TO AN EXTINGUISHER SHALL NOT EXCEED 75 FEET. MOUNT AT 33\" A.F.F. INSTALLED IN APPROPRIATE LOCATIONS AS DIRECTED BY FIRE MARSHALL TO MEET LOCAL CODES.

PERMIT SET
07-11-2024

AA C000606

HARTER - ADAMS P.A.
ARCHITECTS AND PLANNERS
377 MAITLAND AVE, SUITE 2010, ALTAMONTE SPRINGS, FL 32701
PHONE 407 647-5767 FAX 407 647-2062

TRU HOTEL BY HILTON
RAJ PATEL
STUART, FLORIDA

Jacquin & Sons Construction Inc. CGC060475 — 80th ANNIVERSARY
Construction Manager

JOB NO.
22039

DATE
07-11-2024

SHEET
LS1.2



3RD FLOOR UNIT DATA

UNIT TYPE	TOTAL	SHO/TUB	ADA UNIT/S	SPECIAL ACCESSIBILITY	HEARING IMPAIRED UNITS
KING - STUDIO	16 UNITS	SHO			
KING STUDIO (SP ACC)	1 UNIT	SHO		U-332	U-332
KING - STUDIO ADA	1 UNIT	TUB	U-321		U-321
QQ - STUDIO	10 UNITS	SHO			
QQ STUDIO (SP ACC)	1 UNIT	SHO		U-305	U-305
QQ - STUDIO CONNECTING	2 UNITS	SHO			
QQ - STUDIO ADA	1 UNIT	TUB	U-315		U-315
TOTAL UNITS: 32 UNITS / FLOOR			2 UNITS	2 UNITS	4 UNITS
TOTAL FLOOR BUILDING AREA: 12523 SQ. FT.					

LEGEND

- EXIT SIGN
- FEC — FIRE EXTINGUISHER IN CABINET
- F — FIRE ALARM STATION
- F — FIRE ALARM HORN AND STROBE COMBINATION
- F — FIRE ALARM STROBE
- MEANS OF EGRESS
- ONE (1) HOUR WALL
- TWO (2) HOUR WALL
- NUMBER OF OCCUPANTS/EXIT DOOR
- 108 / 34.2" — REQUIRED EXIT WIDTH

NOTES

ALL SIGNS INDICATED TO BE PROVIDED AND INSTALLED BY CONTRACTOR

PROVIDE FIRE EXTINGUISHERS HAVING A MINIMUM RATING OF 2A-10B-C FOR EVERY 3000 SQUARE FEET OF FLOOR AREA. TRAVEL DISTANCE TO AN EXTINGUISHER SHALL NOT EXCEED 75 FEET. MOUNT AT 33\" A.F.F. INSTALLED IN APPROPRIATE LOCATIONS AS DIRECTED BY FIRE MARSHALL TO MEET LOCAL CODES.

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RAJ PATEL
STUART, FLORIDA

Jacquin & Sons Construction, Inc. CGC060473 — 80th ANNIVERSARY
Construction Manager

JOB NO. 22039
DATE 07-11-2024
SHEET LS1.3



4TH FLOOR UNIT DATA

UNIT TYPE	TOTAL	SHO/TUB	ADA UNIT/S	SPECIAL ACCESSIBILITY	HEARING IMPAIRED UNITS
KING - STUDIO	17 UNITS	SHO			U-432
KING STUDIO (SP ACC)	1 UNIT	SHO		U-401	
KING - STUDIO ADA	1 UNIT	TUB	U-421		U-421
QQ - STUDIO	11 UNITS	SHO			
QQ - STUDIO CONNECTING	2 UNITS	SHO			
QQ - STUDIO ADA	1 UNIT	TUB	U-415		U-415
TOTAL UNITS: 32 UNITS / FLOOR			2 UNITS	1 UNIT	3 UNITS
TOTAL FLOOR BUILDING AREA: 12523 SQ. FT.					

LEGEND

- EXIT SIGN
- FEC — FIRE EXTINGUISHER IN CABINET
- F — FIRE ALARM STATION
- F — FIRE ALARM HORN AND STROBE COMBINATION
- F — FIRE ALARM STROBE
- MEANS OF EGRESS
- ONE (1) HOUR WALL
- TWO (2) HOUR WALL
- NUMBER OF OCCUPANTS/EXIT DOOR
- 108 / 34.2" — REQUIRED EXIT WIDTH

NOTES

ALL SIGNS INDICATED TO BE PROVIDED AND INSTALLED BY CONTRACTOR

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PERMIT SET
07-11-2024

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TRU HOTEL BY HILTON

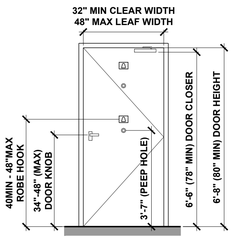
RAJ PATEL
STUART, FLORIDA

Jacquin & Sons Construction JJSI.com CGC060475 30th ANNIVERSARY
Construction Manager

JOB NO.
22039

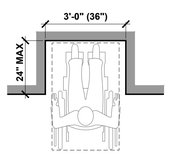
DATE
07-11-2024

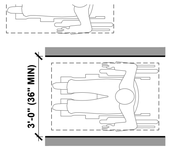
SHEET
LS1.4

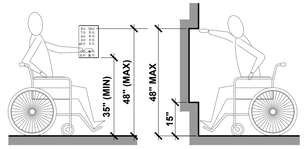


DOOR DIMS REQ

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

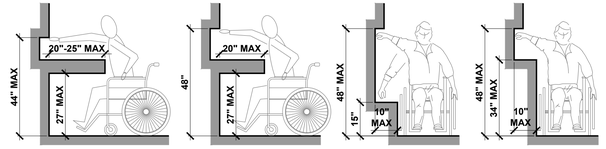






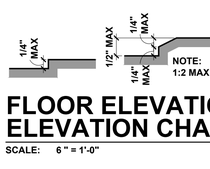
MANEUVERING CLEARANCES

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



ADA REACH DIMENSION REQUIREMENTS

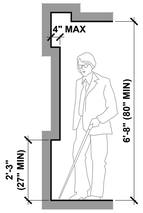
SCALE: 3/8 " = 1'-0"



NOTE:
1:2 MAX SLOPE

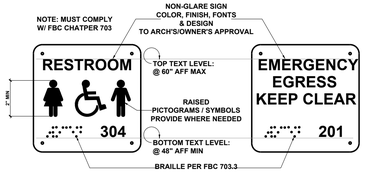
FLOOR ELEVATION ELEVATION CHANGE

SCALE: 6 " = 1'-0"



OBSTRUCTION CLEARANCES

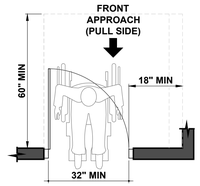
SCALE: 3/8 " = 1'-0"

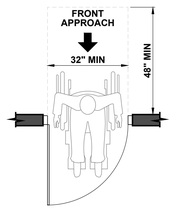


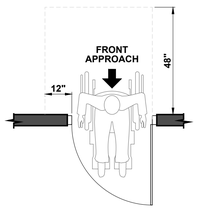
NOTE: PROVIDE ADDITIONAL SIGNS (TYPES S, HCS, FE OR FA) OF TYPE AND MESSAGE AS REQUIRED.

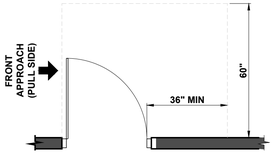
SIGNS DIMS & INSTALLATION REQ

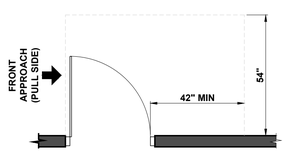
SCALE: 4 " = 1'-0"

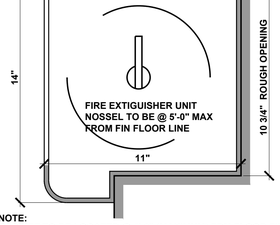








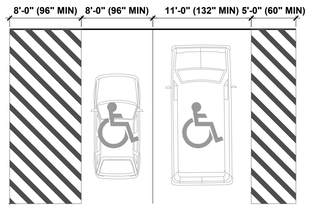




NOTE:
CABINET TO BE LOCATED @ 5'-0" (MAXIMUM) FRM FLOOR FINISH
FIRE RATED CABINET MUST BE PROVIDED
(SEE SPECS) FOR FIRE RATED WALLS
FOR UP TO 20ABC FE: PROVIDE 14" W x 30" H x 11"D - OPENING
FOR FIRE EXTINGUISHER CABINET
PROVIDE BUTT L SEALANT BET FECB & WALL ON BOTH SIDES
REFER TO WALL SCHEDULE FOR WALL TYPE

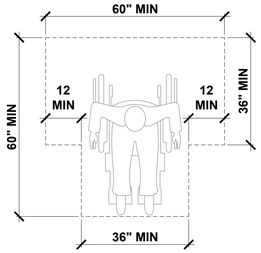
FIRE EXTINGUISHER CAB

SCALE: 3 " = 1'-0"



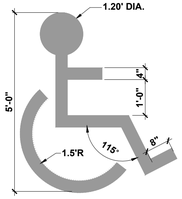
PARKING LOT DIMENSIONS

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



T SHAPE CLEARANCE DIM

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

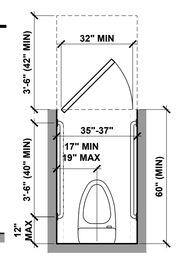


ADA SYMBOL DIMENSION

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

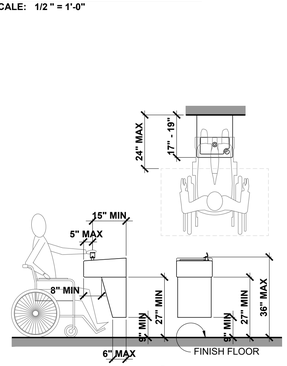
TOILET ACCESSORIES DIMS REQ

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



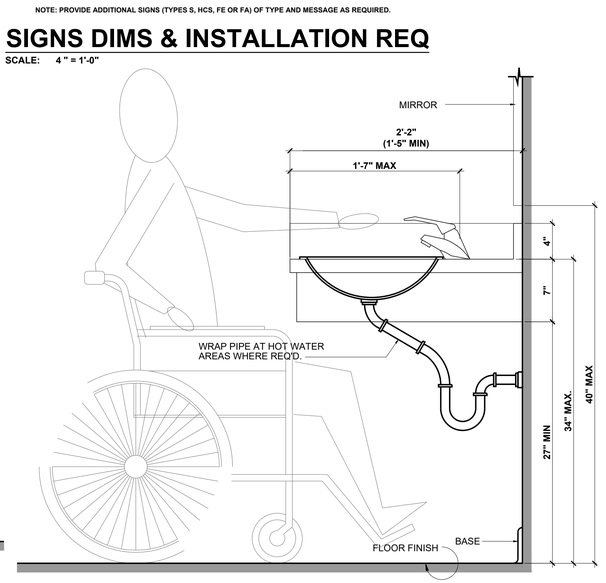
SINGLE STALL ADA DIMS REQ

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



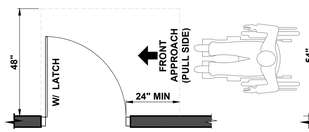
WATER FOUNTAIN DIMENSION REQ

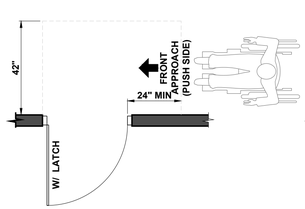
SCALE: 3/8 " = 1'-0"

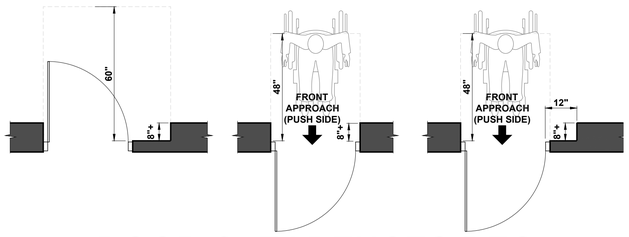


ADA AND SINK COUNTER DIMENSION REQ

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

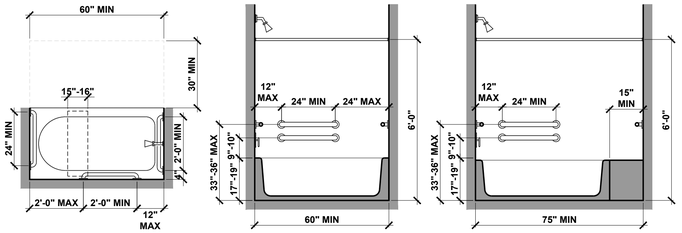






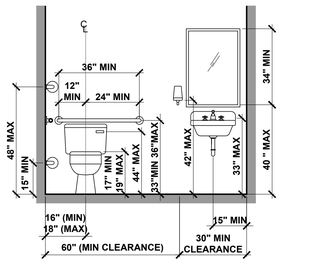
DOOR CLEARENCES REQ

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



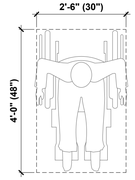
ADA BATH TUB DIMENSION REQUIREMENTS

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



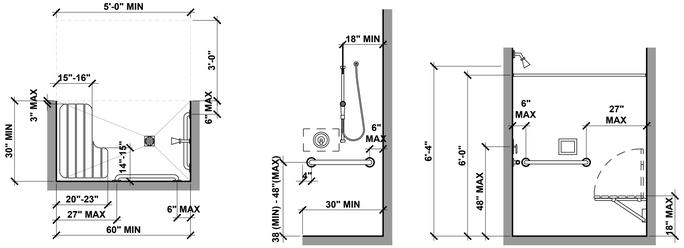
ADA TOILET PLAN ELEVATIONS DIMS REQ

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



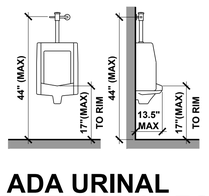
ADA CLEARANCE REQ DIMENSION

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



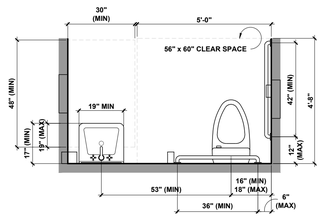
ADA SHOWER DIMENSION REQUIREMENTS

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



ADA URINAL DIMENSION REQ

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



ADA TOILET PLAN DIMS REQ

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

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PERMIT SET
07-11-2024

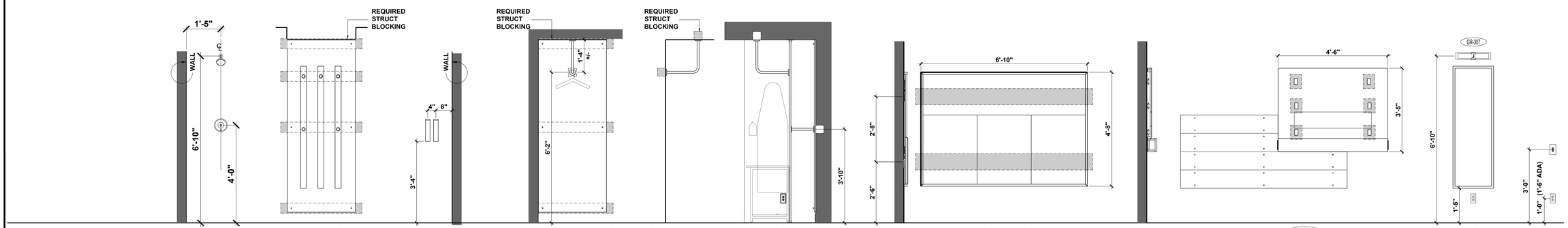
TRU HOTEL BY HILTON
RAJ PATEL
STUART, FLORIDA

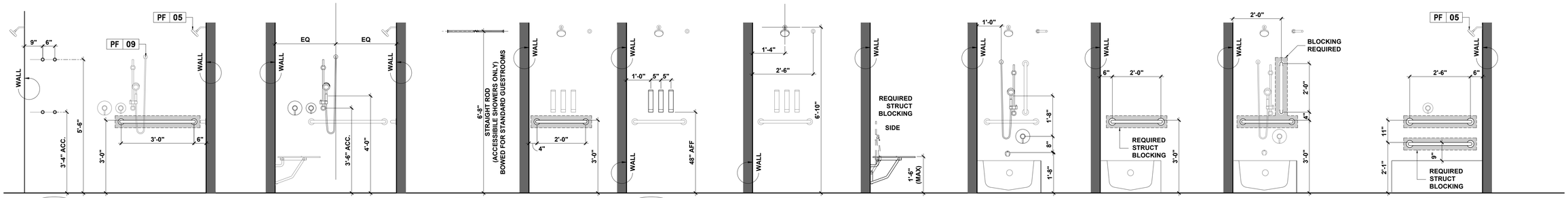
Jacquin & Sons Construction rjsi.com CGC060475 30th ANNIVERSARY
Construction Manager

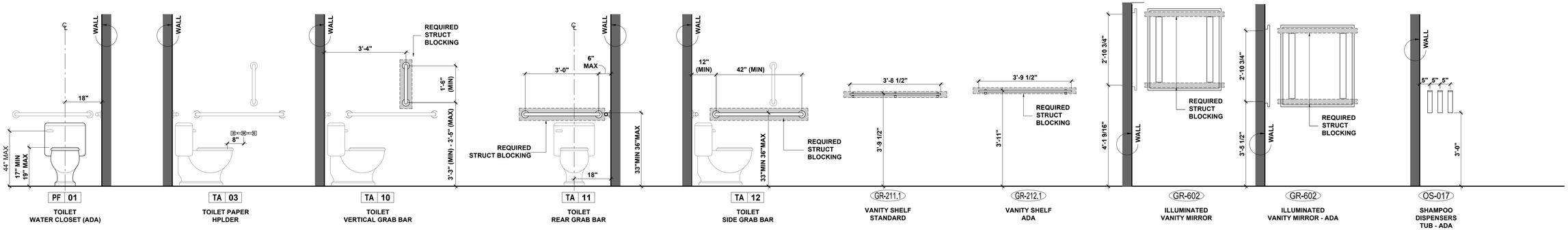
JOB NO. 22039
DATE 07-11-2024
SHEET LS1.5

HILTON STANDARD FIXTURES INSTALLATION

NOTE: ALL GRAB BARS MUST BE BLOCKED OR RE-INFORCED TO WITHSTAND ACCESSIBILITY REQUIREMENTS - REFER HADG







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07-11-2024

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AA C000606

TRU HOTEL BY HILTON
RAJ PATEL
STUART, FLORIDA

Jacquin & Sons Construction Inc. CGC060473 50th ANNIVERSARY
Construction Manager

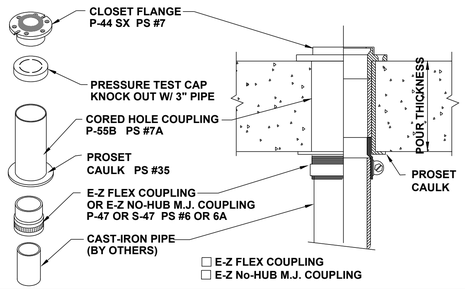
JOB NO.
22039

DATE
07-11-2024

SHEET
LS1.6

PROSEAL CLOSET STUB

PRECAST CONCRETE OR EXISTING CONCRETE FOR FLOORS



IMPORTANT NOTES :

1. Core a 4" hole for a 3" closet stub & a 5" hole for a 4" closet stub.
2. Install a bead of ProSet Caulk around the coupling flange to waterproof.
3. Insert & secure the cored hole coupling into the cored hole from the bottom.
4. Solvent cement the *E-Z Flex coupling to bottom of the stub, connect closet bend & tighten S.S. band.
4. Insert & solvent cement the **P-44-SX ProSeal closet flange into the top of stub and set toilet.

** A special P-44-HX ProSeal flange is available in a longer extention length if the finish floor is raised.

The new elastomeric seal on this flange has been tested to hold a 10 ft. head of water pressure.

* See E-Z Flex installation instruction.

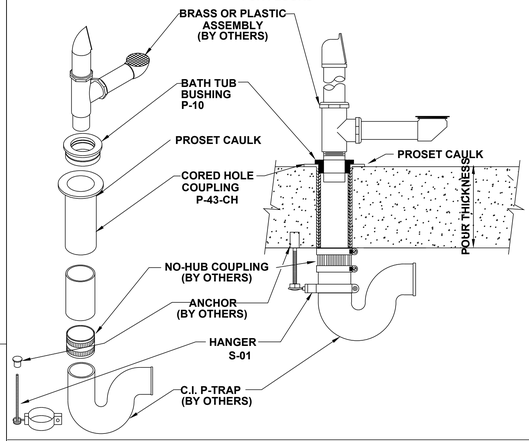
W.H. Directory Reference 99 Edition
Firestop Device
W.H. Design No. PS/PH 120-03
F Rating 2 or 3 Hrs.

PROSET SYSTEMS FIRESTOP PENETRATOR®

DATE : 3 - 1 - 02
DRG . NO . B-4402-D

TUB BOX FITTING ASSEMBLY

PRECAST CONCRETE OR EXISTING CONCRETE FOR FLOORS



IMPORTANT NOTES :

1. Drill a 2 3/4" cored hole for 2" coupling through the deck - Install a bead of caulk around the flange to waterproof.
2. Use above the floor rough tub or chip concrete down to fit W & O.
3. Insert & solvent cement the proper length CP-95 liner or P-90 pipe up into coupling.
4. Install the C.I. P-Trap to the liner fitting using a no-hub coupling & install the S-01 hanger to the P-Trap in a secure manner.
5. Use either a C25661 for pipe size or C25662 for tube size W & O.

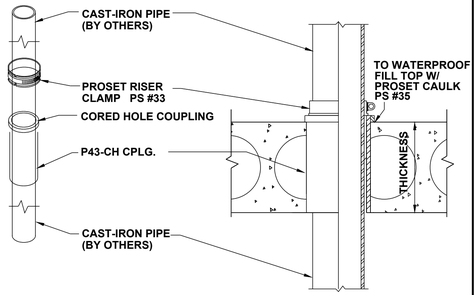
W.H. Directory Reference 97 Edition
Firestop Device
W.H. Design No. PS/PHV 120-04
F Rating 2 Hrs.

PROSET SYSTEMS FIRESTOP PENETRATOR®

DATE : 5-31-21
DRG . NO . B-6210-D

C.I. STACK STUB - OPTION 4

PRECAST CONCRETE OR EXISTING CONCRETE FOR FLOORS OR WALLS



IMPORTANT NOTES :

1. Core a 2 3/4" hole for 2" - 4" hole for 3" - 5" hole for 4" - 7-1/2" for 6".
2. Install a bead of ProSet Caulk around the coupling flange to waterproof.
3. Insert the cast iron pipe through the coupling.
4. Fill any void at top with ProSet Caulking to waterproof.
5. Install riser clamp around the pipe to support and draft stop. Clamp on both sides for walls.
6. When ordering riser clamp - Use suffix CI for cast iron pipe.
7. Use Black letter Sleeve Pipe for cast iron pipe.

Option 4. Use when cast iron pipe passes completely through the penetration, such as rainwater piping. Must install a ProSet Riser Clamp.

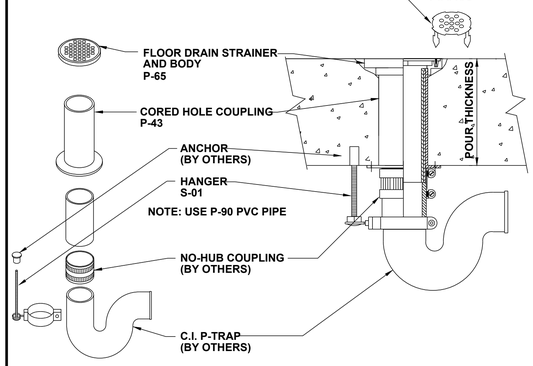
W.H. Directory Reference 97 Edition
Firestop Device
W.H. Design No. PS/PHV 180-01
F Rating 3 Hrs.

PROSET SYSTEMS FIRESTOP PENETRATOR®

DATE : 1 - 10 - 08
DRG . NO . B-4804-DHC

FLOOR DRAIN FITTING ASSEMBLY

PRECAST OR EXISTING CONCRETE FOR FLOORS



IMPORTANT NOTES :

1. To size cored hole, see component drawing P-55A.
2. Core hole through the floor to fit coupling.
3. Install a bead of ProSet Caulk around strainer body to waterproof.
4. Insert the coupling up through the cored hole, chip concrete down on top to fit the floor drain body and strainer.
5. Insert and solvent weld the proper length P-90 pipe into the bottom of the drain coupling.
6. Connect the no-hub P-trap to the P-90 pipe.
7. Install the S-01 hanger to the P-trap in a secure manner.

(OPTION) - A Snap-in Strainer can be used when the drain is not exposed to foot traffic or heavy loads.

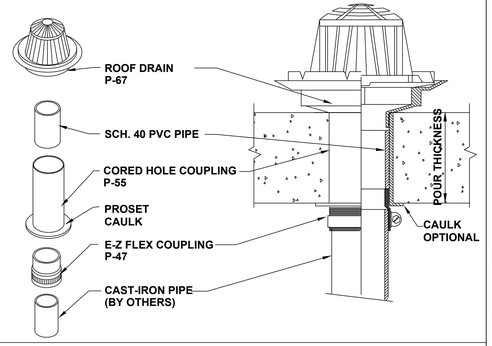
W.H. Directory Reference 99 Edition
Firestop Device
W.H. Design No. PS/PH 120-02
F Rating 2 Hrs.

PROSET SYSTEMS FIRESTOP PENETRATOR®

DATE : 05-31-21
DRG . NO . B-6500-D

ROOF DRAIN FITTING ASSEMBLY

PRECAST CONCRETE OR EXISTING CONCRETE



IMPORTANT NOTES :

1. Core a 3" hole for a 2" drain, a 4" hole for a 3" drain and a 5" hole for a 4" Roof Drain.
2. Install a bead of ProSet Caulk around the coupling flange for optional waterproofing.
3. Insert the cored hole coupling into the cored hole from the bottom.
4. Insert & solvent weld the Roof Drain into the top of coupling with allowance for built-up roofing.

* 5. Insert & solvent weld the E-Z Flex into the bottom of the coupling

6. Connect the cast iron pipe into the E-Z Flex & tighten S.S. band.

Note: The Roof Drain with an attached sleeve coupling can be inserted from the top side with a #43 Mounting Flange cemented onto the sleeve coupling extension to fit tight against the ceiling so the Roof Drain is anchored into slab to prevent expansion/contraction problems.

* See E-Z Flex installation instruction sheet.

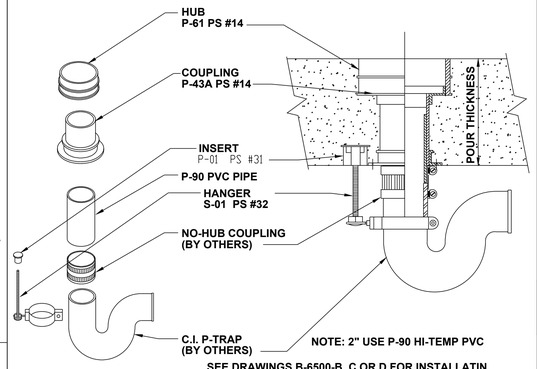
W.H. Directory Reference 99 Edition
Firestop Device
W.H. Design No. PS/PH 120-03
F Rating 2 Hrs.

PROSET SYSTEMS FIRESTOP PENETRATOR®

DATE : 5-31-21
DRG . NO . B-6720-D

PRECAST SHOWER DRAIN FITTING ASSEMBLY

CONCRETE ON WOOD FORM FOR FLOORS



SEE DRAWINGS B-6500-B, C OR D FOR INSTALLATIN IN TUNNEL FORM, METAL DECK OR EXISTING CONC.

IMPORTANT NOTES :

1. Use nails through flange holes to mount the hub drain to the deck.
2. Set the P-01 insert abutting against the mounting flange.
3. After the concrete pour, remove protective cap.
4. Insert & solvent weld the proper length CP-95 or P-90 pipe into the bottom of coupling.
5. Connect the P-Trap to the liner fitting or P-90 pipe using a E-Z no-hub coupling.
6. Install the S-01 hanger to the P-Trap in a secure manner.
7. After the pressure test, break out the knock out cap.
8. To connect a precast shower drain, insert & solvent weld a 2" PVC pipe into the coupling to extend up through the shower strainer, then use a jiffy joint between the strainer & the pipe.
9. For a hub drain, hub can be extended above floor, discharge branches into the hub.

W.H. Directory Reference 99 Edition
Firestop Device
W.H. Design No. PS/PH 120-02
F Rating 2 Hrs.

PROSET SYSTEM FIRESTOP PENETRATOR TM

DATE : 5-31-21
DRG . NO . B-6100-A B,C OR D

SPECIAL INSPECTIONS

FLORIDA FIRE PREVENTION CODE, NFPA CHAPTER 12.32: QUALITY ASSURANCE PROGRAME FOR PENETRATIONS AND JOINTS:

1. SPECIAL INSPECTION OF THROUGH PENETRATION FIRE STOP SYSTEMS AND FIRE-RESISTENT JOINT SYSTEMS SHALL BE PROVIDED IN ACCORDANCE WITH CHAPTER 12.3.2.1 AND 12.2.3.2.
2. SPECIAL INSPECTIONS TO INCLUDE: THROUGH PENETRATIONS OF METALLIC AND NON-METALLIC PRIPING, CONDUIT, DUCTWORK, CABLING, VERTICAL TO HORIZONTAL CONSTRUCTION JOINTS AND GAPS BETWEEN STRUCTURAL MEMBERS AND WALL/FLOOR CONSTRUCTION

QUALITY ASSURANCE PROGRAM FOR PENETRATIONS AND JOINTS

1. IN COMPLIANCE WITH THE FLORIDA FIRE PREVENTION CODE (F.F.P.C.) THE OWNER OR REGISTERED DESIGN PROFESSIONAL (RDP) WILL E,PLY A SPECIAL INSPECTOR TO OBSERVE CONSTRUCTION OF THE RESISTIVE JOINT SYSTEMS COMPONENTS OF THE MENTIONED PROJECT.
2. RESPONSIBILITIES OF THE SPECIAL INSPECTOR.
   - 2.1. THE SPECIAL INSPECTOR WILL BE RESPONSIBLE TO THE ENFORCEMENT AGENCY AUTHORITY HAVING JURISDICTION (AHJ) AND WILL REPORT THEIR INSPECTION RESULTS IN ACCORDANCE WITH CURRENT GOVERNING FLORIDA FIRE PROTECTION CODE (F.F.P.C)
   - 2.2. A SPECIAL INSPECTOR MUST BE ONE OF THE FOLLOWING:
     - 2.2.1. A CERTIFIED CODE INSPECTOR OFFICIAL/INSPECTOR, LICENSED ARCHITECT OR ENGINEER, LICENSED PROFESSIONAL IN THE CONSTRUCTION INDUSTRY, CERTIFIED REPRESENTATIVE OF QUALITY ASSURANCE AGENCY OR ACCREDITED TESTING LABORATORY.
     - 2.2.2. A SPECIAL INSPECTOR MUST PRESENT CREDENTIALS TO BE ACCEPTED BY THE AUTHORITIES HAVING JURISDICTION (AHJ). THE SPECIAL INSPECTOR IS TO SUBMIT THE PROPOSED REPORT FORMAT DOCUMENTS TO AHJ.
3. THE SPECIAL INSPECTOR MUST PRESENT CREDENTIALS TO BE ACCEPTED BY THE AUTHORITIES HAVING JURISDICTION (AHJ). THE SPECIAL INSPECTOR IS TO SUBMIT THE PROPOSED REPORT FORMAT DOCUMENTS TO AHJ.
4. SPECIAL INSPECTOR SHALL BE COMPLETELY INDEPENDENT OF, AND DIVESTED FROM, THE INSTALLER, CONTRACTOR, MANUFACTURER OR SUPPLIER OF ANY MATERIAL BEING INSPECTED. THE SPECIAL INSPECTOR SHALL NOT BE A COMPETITOR OF THE INSTALLER, CONTRACTOR, MANUFACTURER OR SUPPLIER OF ANY MATERIALS BEING INSPECTED.
5. THE SPECIAL INSPECTOR IS RESPONSIBLE FOR OBSERVING AND VERIFYING THAT THE CONSTRUCTION OF THE FIRE STOP AND FIRE RESISTIVE JOINT SYSTEMS THAT COMPLIES WITH THE OFFICIAL CONTRACT DOCUMENTS, OFFICIAL CONTRACT DOCUMENTS ARE DEFINED AS THE PERMITTED PLANS, AND QUALITY ASSURANCE PROGRAM.
6. THE SPECIAL INSPECTOR MAY USE AS A REPRESENTATIVE TO PERFORM INSPECTION WORK. THE SPECIAL INSPECTOR UTILIZING AUTHORIZED REPRESENTATIVES SHALL INSURE THE AUTHORIZED REPRESENTATIVE IS QUALIFIED BY EDUCATION TO PERFORM THE DUTIES ASSIGNED BY THE SPECIAL INSPECTOR AND SHALL MAINTAIN RESPONSIBLE SUPERVISORY CONTROL OVER THE REPRESENTATIVE PURSUANT TO THE AHJ. THE SPECIAL INSPECTOR SHALL BE IN RESPONSIBLE CHARGE OF WORK OF THE AUTHORIZED REPRESENTATIVE, INCLUDING REVIEWING REPORTS AND SPOT CHECKS, THE SPECIAL INSPECTOR MUST PERSONALLY VISIT THE SITE AT THE POINTS DURING CONSTRUCTION WHICH HE DEEMS KEY TO THE INSPECTION PROGRAM.
7. THE SPECIAL INSPECTOR OR THEIR AUTHORIZED REPRESENTATIVE WILL VISIT THE PROJECT SITE AS REQUIRED BY THE CONSTRUCTION ACTIVITY TO INSPECT THE ELEMENTS DURING THE PROGRESS OF THE WORK FURTHER, IT IS REQUIRED THAT THE SPECIAL INSPECTOR VISIT THE PROJECT ON A REGULATED PERIODIC BASIS DURING CONSTRUCTION OF ELEMENTS.
8. THE SPECIAL INSPECTOR WILL REPORT OBSERVATIONS OF MATERIALS, WORKMANSHIP OR OTHER FEATURES OF CONSTRUCTION DEVIATING FROM THE REQUIREMENTS OF THE OFFICIAL CONTRACT DOCUMENTS. GUIDELINES FOR OBSERVATIONS COVERING SPECIFIC SHALL COMPLETE INSPECTION REPORTS AFTER EACH INSPECTION, SIGN EACH REPORT AND FORWARD THEM TO THE BUILDING OFFICIAL WITH COPIES GOING TO THE ARCHITECT OF RECORD, ENGINEER, ENGINEER OF RECORD, OWNER AND CONTRACTOR REPORTS ARE TO BE SUBMITTED ON A MONTHLY BASIS.
9. QUALITY CONTROL INSPECTIONS AND TESTING BY AN INDEPENDENT TESTING LABORATORY ARE REQUIRED BY THE PROJECT SPECIFICATIONS AND VARIOUS INSPECTION AND TESTING STANDARDS STATED WITHIN SOME ELEMENTS AND WILL BE AVAILABLE TO THE SPECIAL INSPECTOR TO SUPPLEMENT THEIR OWN INSPECTIONS, THESE REPORTS MANY INCLUDE, BUT ARE NOT LIMITED TOT HE SOIL TESTING, CONCRETE TESTING AND STEEL TESTING.
10. THE ACCEPTANCE OF ANY FIRESTOP OF FIRE RESISTIVE COMPONENT BY THE SPECIAL INSPECTOR IN NO WAY RELIEVES THE CONTRACTOR OR RESPONSIBILITY FOR COMPLYING WITH HE REQUIREMENTS OF THE CONTRACT DOCUMENTS.
11. NEITHER THE SPECIAL INSPECTOR OR THEIR AUTHORIZED REPRESENTATIVE SHALL MAKE ANY DESIGN DECISIONS OR DIRECT THE CONTRACTOR TO DEVIATE FROM THE APPROVED CONTRACT DOCUMENTS. ANY DEVIATION FROM THE APPROVED CONTRACT DOCUMENTS SHALL BE BROUGHT TO THE ATTENTION OF THE CONTRACTOR IN A TIMELY MANNER, SO AS TO AVERT MY UNDUE EXPENSES. IF THE CONTRACTOR CORRECTS ANY DEVIATION TO THE SATISFACTION OF THE SPECIAL INSPECTOR, FOR FURTHER ACTION IS NECESSARY, IF THE DEVIATIONS ARE NOT CORRECTED TO THE SATISFACTION OF THE SPECIAL INSPECTOR THEY SHALL BE BROUGHT TO THE ATTENTION OF THE REGISTER DESIGN PROFESSIONAL(S) OF RECORD AND THE ENFORCING AGENCY.
12. THE SPECIAL INSPECTOR SHALL INSTITUTE QUALITY ASSURANCE PROCEDURES TO INCLUDE, BUT NOT LIMITED TO, REQUIRING UNSCHEDULED VISITS, UTILIZATION OF RELEVANT CHECK LISTS, USE OF AN INSPECTION REPORT AND ENSURING THAT THE INSPECTOR OF THE AUTHORIZED REPRESENTATIVE IS AT THE PROJECT WHENEVER SO REQUIRED BY THE QUALITY ASSURANCE PROGRAM.
13. THE SPECIAL INSPECTOR WILL MAINTAIN A WRITTEN RECORD OF QUALITY ASSURANCE PROGRAM BUILDING INSPECTION ACTIVITIES AND WILL RENDER SIGNED REPORTS PROMPTLY TO THE BUILDING OFFICIAL WITH COPIES TO THE OWNER, ARCHITECT OF RECORD, STRUCTURAL ENGINEER OF RECORD AND THE CONTRACTOR INDIVIDUAL REPORTS MAY INCLUDE ANY OR ALL OF THE FOLLOWING:
   - 13.1. GENERAL REPORT OF CONSTRUCTION PROGRESS
   - 13.2. WEATHER CONDITIONS
   - 13.3. OTHER PERSONNEL PRESENT DURING THE INSPECTIONS.
   - 13.4. DETAILS CHECK OFF REPORTS ON SPECIFIC AREAS.
   - 13.5. REPORTS OF THE CORRECTIONS OF DEFICIENCIES PREVIOUSLY NOTED.
   - 13.6. SPECIAL TEST REPORTS, SKETCHES OF OTHER SUPPLEMENTAL DATA.
14. THE SPECIAL INSPECTOR SHALL PROVIDE INSPECTION SERVICES AND OF TESTING WHICH IS IN ACCORDANCE TO THE FOLLOWING:
   - 14.1. FLORIDA FIRE PREVENTION CODE - 5TH EDITION
   - 14.2. FIRE CODE: CHAPTER 12, "FEATURES OF FIRE PROTECTION"
   - 14.3. SECTIONS 123.2 QUALITY ASSURANCE FOR PENETRATIONS AND JOINTS.
15. THE SPECIAL INSPECTOR SHALL PROVIDE INSPECTIONS SERVICES AND TESTING PER FOLLOWING STANDARDS:
   - 15.1. ASTM E 814, STANDARD TEST METHODS FOR FIRE TESTS OF THROUGH PENETRATION FIRE STOPS.
   - 15.2. OR ANSI/UL 1479, STANDARD FOR FIRE TESTS OF THROUGH PENETRATION FIRESTOPS.
   - 15.3. ASTM E 1966, STANDARD TEST METHOD FOR FIRE-RESISTIVE JOINT SYSTEMS
   - 15.4. OR ANSI/UL 2079 STANDARD TESTS FOR FIRE RESISTANCE OF BUILDING JOINT SYSTEMS.
   - 15.5. ASTM E 2393, STANDARD PRACTICE FOR ON-SITE INSPECTION OF INSTALLED FIR RESISTIVE JOINT SYSTEMS AND PERIMETER FIRE BARRIERS.
16. THE QUALITY ASSURANCE PROGRAM ALLOWS FOR GENERAL AND SPECIFIC ITEMS OF CONCERN. IT DOES NOT LIMIT THE SPECIAL INSPECTOR TO ONLY ITEMS LISTED. THE SPECIAL INSPECTOR'S JUDGEMENT MUST PREVAIL ON ITEMS NOT SPECIFICALLY COVERED.
17. THE SPECIAL INSPECTOR SHALL PROVIDE A FINAL CLOSING DOCUMENT CONTAINING ALL THE PREVIOUS REPORTS, CORRESPONDENCE AND INFORMATION FOR THE RDP TO REVIEW FOR COMPLIANCE OF THE ORIGINAL QUALITY ASSURANCE PROGRAM INTENT. CLOSING DOCUMENT SHALL BE SIGNED AND SEALED BY THE RDP THE SUBMITTED TO AHJ

RESPONSIBILITIES OF THE CONTRACTOR

1. THE CONTRACTOR SHALL FURNISH THE SPECIAL INSPECTOR AND KEEP CURRENT, A SCHEDULE OF CONSTRUCTION. THE CONTRACTOR SHALL NOTIFY THE SPECIJAL INSPECTOR 24 HOURS PRIOR TO THE NEED FOR AN INSPECTION. THE CONTRACTOR SHALL COVER ANY WORK NEEDING INSPECTIONS PRIOR TO INSPECTION BY THE SPECIAL INSPECTOR. THE CONTRACTOR SHALL MAKE ALL AREAS AVAILABLE AND SAFE FOR INSPECTION.
2. THE CONTRACTOR SHALL PROVIDE TO THE SPECIAL INSPECTOR A COPY OF EACH APPROVED SUBMITTAL RELATED TO THE FIRESTOP AND FIRE RESISTIVE JOINT SYSTEMS, MATERIALS AND COMPONENTS FOR USE IN VERIFYING PROPER CONSTRUCTION. SUCH SUBMITTALS SHALL INCLUDE, BUT NIT LIMITED TO THE FOLLOWING:
   - 2.1. CONTRACT DOCUMENTS, INCLUDING REVISIONS.
   - 2.2. FIRESTOP AND JOINT SHOP DRAWINGS AND PRODUCT DATA.
3. ALL SUBMITTALS PROVIDED TIO THE SPECIAL INSPECTOR SHALL BEAR THE STAMP AND INITIALS OF THE CONTRACTOR AND THE ARCHITECT OR ENGINEER OF RECORD.

SPECIAL INSPECTOR'S OBSERVATIONS

THE CONTRACT REQUIREMENTS FOR THIS PROJECT ARE CONTAINED IN THE OFFICIAL CONTRACT DOCUMENTS. THE FOLLOWING GUIDELINES SHOULD BE USED IN CONJUNCTION WITH A CAREFUL STUDY OF THE OFFICIAL CONTRACT DOCUMENTS.

1. REVIEW THE OFFICIAL CONTRACT DOCUMENTS TO BE SURE THAT THEY ARE APPROVED AND AVAILABLE BEFORE THE START OF THE PHASE OF THE STRUCTURAL WORK.
2. REVIEW WITH THE CONTRACTOR THE CONSTRUCTION PROCEDURE BEFORE THE START OF ANY PHASE OF THE STRUCTURAL WORK TO MAKE SURE THAT IT ACCOMMODATES THE DESIGN.
3. REVIEW WITH THE INDEPENDENT TESTING LABORATORY AND CONTRACTOR THE REQUIREMENTS AS TO THE TYPE OF INSPECTION AND TESTING THAT IS NECESSARY BEFORE THE START OF ANY PHASE OF STRUCTURAL WORK. ESTABLISH A CLEAR METHOD FOR MARKING ALL TESTED AND INSPECTED ITEMS. CONFIRM THAT THE TESTING AGENCY IS USING QUALIFIED PERSONNEL AND COMPLETING ALL TESTS AND INSPECTIONS IN A TIMELY AND PROFESSIONAL MANNER.
4. AFTER DELIVERY TO THE JOB. INSPECT STRUCTURAL MEMBERS FOR COMPLIANCE WITH THE OFFICIAL CONTRACT DOCUMENTS, DAMAGE AND FLAWS. CONFIRM THAT THE STRUCTURAL MEMBERS ARE BEING PROJECTED AND STORED PROPERLY.
5. VERIFY THAT ALL TEST, SAMPLING OR REPORTS HAVE BEEN COM0PLETED BEFORE FINISHED WORK IS COVERED AND NO LONGER CAPABLE OF BEING INSPECTED OR TESTED.
6. CONFIRM THE REPAIR AND TREATMENT OF AREAS CONTAINING DETECTIVE WORK

PERMIT SET
07-11-2024

AA C000606

HARTER - ADAMS P.A.
ARCHITECTS AND PLANNERS
377 MAITLAND AVE, SUITE 2010, ALTAMONTE SPRINGS, FL 32701
PHONE 407 647-5767 FAX 407 647-2062

TRU HOTEL BY HILTON
RAJ PATEL
STUART, FLORIDA

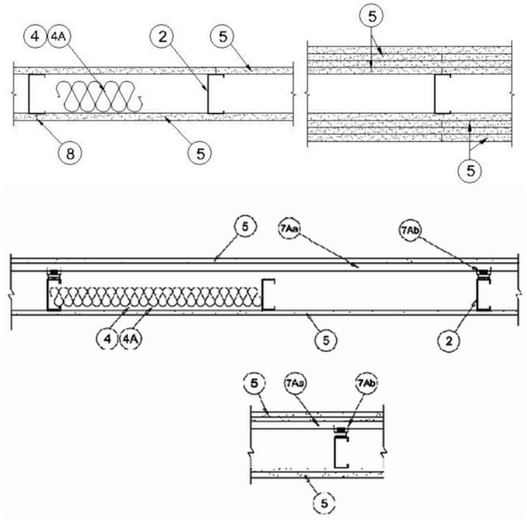
Jacquin & Sons Construction Inc. CGC060473 80th ANNIVERSARY
Construction Manager

JOB NO. 22039
DATE 07-11-2024
SHEET **LS1.7**

Design No. U419

MARCH 15, 2024

Nonbearing Wall Ratings - 1, 2, 3 or 4 Hr (See Items 4 & 5)



1. FLOOR AND CEILING RUNNERS — (NOT SHOWN) — FOR USE WITH ITEM 2 — CHANNEL SHAPED, FABRICATED FROM MIN 25 MSG CORROSION-PROTECTED STEEL, MIN DEPTH TO ACCOMMODATE STUD SIZE, WITH MIN 1-1/4 IN. LONG LEGS, ATTACHED TO FLOOR AND CEILING WITH FASTENERS 24 IN. OC MAX.

1A. FRAMING MEMBERS* — FLOOR AND CEILING RUNNER — NOT SHOWN — IN LIEU OF ITEM 1 — FOR USE WITH ITEM 2B, PROPRIETARY CHANNEL SHAPED RUNNERS, 3-5/8 IN. DEEP ATTACHED TO FLOOR AND CEILING WITH FASTENERS 24 IN. OC MAX.
CALIFORNIA EXPANDED METAL PRODUCTS CO — VIPER25™ TRACK
CRACO MFG INC — SMARTTRACK25™
MARINO/WARE, DIV OF WARE INDUSTRIES INC — VIPER25™ TRACK
IMPERIAL MANUFACTURING GROUP INC — VIPER25™ TRACK

1B. FRAMING MEMBERS* — FLOOR AND CEILING RUNNER — NOT SHOWN — IN LIEU OF ITEM 1 — FOR USE WITH ITEM 2C, PROPRIETARY CHANNEL SHAPED RUNNERS, 1-1/4 IN. WIDE BY 3-5/8 IN. DEEP FABRICATED FROM MIN 0.020 IN. THICK GALV STEEL, ATTACHED TO FLOOR AND CEILING WITH FASTENERS SPACED 24 IN. OC MAX.
CALIFORNIA EXPANDED METAL PRODUCTS CO — VIPER20™ TRACK
MARINO/WARE, DIV OF WARE INDUSTRIES INC — VIPER20™ TRACK
IMPERIAL MANUFACTURING GROUP INC — VIPER25™ TRACK

1C. FRAMING MEMBERS* — FLOOR AND CEILING RUNNERS — (NOT SHOWN) — IN LIEU OF ITEM 1 — CHANNEL SHAPED, ATTACHED TO FLOOR AND CEILING WITH FASTENERS 24 IN. OC. MAX.
ALLSTEEL & GYPSUM PRODUCTS INC — TYPE SUPREME D24/30EQD AND TYPE SUPREME D20
CONSOLIDATED FABRICATORS CORP, BUILDING PRODUCTS DIV — TYPE SUPREME D24/30EQD AND TYPE SUPREME D20.
QUAIL RUN BUILDING MATERIALS INC — TYPE SUPREME D24/30EQD AND TYPE SUPREME D20
SCAFCO STEEL STUD MANUFACTURING CO — TYPE SUPREME D24/30EQD AND TYPE SUPREME D20
STEEL CONSTRUCTION SYSTEMS INC — TYPE SUPREME D24/30EQD AND TYPE SUPREME D20
TELLING INDUSTRIES LLC — TYPE SUPREME D24/30EQD AND TYPE SUPREME D20
UNITED METAL PRODUCTS INC — TYPE SUPREME D24/30EQD AND TYPE SUPREME D20

1D. FLOOR AND CEILING RUNNERS — (NOT SHOWN) — FOR USE WITH ITEM 3A — CHANNEL SHAPED, FABRICATED FROM MIN 20 MSG CORROSION-PROTECTED OR GALV STEEL, MIN DEPTH TO ACCOMMODATE STUD SIZE, WITH MIN 1 IN. LONG LEGS, ATTACHED TO FLOOR AND CEILING WITH FASTENERS SPACED MAX 24 IN. OC.

1E. FRAMING MEMBERS* — FLOOR AND CEILING RUNNERS — (NOT SHOWN, AS AN ALTERNATE TO ITEM 1) — FOR USE WITH ITEMS 2E, 5F OR 5G OR 5I ONLY, CHANNEL SHAPED, FABRICATED FROM MIN. 0.015 IN. (MIN BARE METAL THICKNESS) GALVANIZED STEEL, ATTACHED TO FLOOR AND CEILING WITH FASTENERS 24 IN. OC. MAX.
CLARKDIETRICH BUILDING SYSTEMS — CD PROTRAK
DMFCWBS L L C — PROTRAK
MBA METAL FRAMING — PROTRAK
RAM SALES L L C — RAM PROTRAK
STEEL STRUCTURAL PRODUCTS L L C — TRI-S PROTRAK

1F. FRAMING MEMBERS* — FLOOR AND CEILING RUNNER — NOT SHOWN — IN LIEU OF ITEM 1 — FOR USE WITH ITEM 2F, PROPRIETARY CHANNEL SHAPED RUNNERS, MINIMUM WIDTH TO ACCOMMODATE STUD SIZE, WITH 1- 1/8 IN. LONG LEGS FABRICATED FROM MIN 0.015 IN. (MIN BARE METAL THICKNESS) GALV STEEL, ATTACHED TO FLOOR AND CEILING WITH FASTENERS SPACED 24 IN. OC MAX.
SUPER STUD BUILDING PRODUCTS — THE EDGE

1G. FRAMING MEMBERS* — FLOOR AND CEILING RUNNER — FOR USE WITH ITEM 2G, PROPRIETARY CHANNEL SHAPED RUNNERS, MINIMUM WIDTH TO ACCOMMODATE STUD SIZE ATTACHED TO FLOOR AND CEILING WITH FASTENERS 24 IN. OC MAX.
STUDCO BUILDING SYSTEMS — CROCSTUD TRACK

1H. FLOOR AND CEILING RUNNERS — (NOT SHOWN) — CHANNEL SHAPED, FABRICATED FROM MIN 0.02 IN. GALV STEEL, MIN WIDTH TO ACCOMMODATE STUD SIZE, WITH MIN 1 IN. LONG LEGS, FOR USE WITH STUDS SPECIFIED BELOW AND FABRICATED FROM MIN 0.02 IN. GALV STEEL OR THICKER, ATTACHED TO FLOOR AND CEILING WITH FASTENERS SPACED MAX 24 IN. OC.
MARINO/WARE, DIV OF WARE INDUSTRIES INC — VIPER20™ TRACK VT100

1I. FRAMING MEMBERS* — FLOOR AND CEILING RUNNERS — (NOT SHOWN, AS AN ALTERNATE TO ITEM 1) — FOR USE WITH ITEMS 2H, CHANNEL SHAPED, FABRICATED FROM MIN. 0.015 IN. (MIN BARE METAL THICKNESS) GALVANIZED STEEL, ATTACHED TO FLOOR AND CEILING WITH FASTENERS 24 IN. OC. MAX.
TELLING INDUSTRIES L L C — TRUE-TRACK™

1J. FRAMING MEMBERS* — FLOOR AND CEILING RUNNER — NOT SHOWN — IN LIEU OF ITEM 1 — FOR USE WITH ITEM 2I, PROPRIETARY CHANNEL SHAPED RUNNERS, 3-5/8 IN. DEEP ATTACHED TO FLOOR AND CEILING WITH FASTENERS 24 IN. OC MAX.
TELLING INDUSTRIES L L C — VIPER25™ TRACK

1K. FRAMING MEMBERS* — FLOOR AND CEILING RUNNER — NOT SHOWN — IN LIEU OF ITEM 1 — FOR USE WITH ITEM 2J, PROPRIETARY CHANNEL SHAPED RUNNERS, 1-1/4 IN. WIDE BY 3-5/8 IN. DEEP FABRICATED FROM MIN 0.020 IN. THICK GALV STEEL, ATTACHED TO FLOOR AND CEILING WITH FASTENERS SPACED 24 IN. OC MAX.
TELLING INDUSTRIES L L C — VIPER20™ TRACK

1L. FRAMING MEMBERS* — FLOOR AND CEILING RUNNER — NOT SHOWN — IN LIEU OF ITEM 1 — FOR USE WITH ITEM 2N, PROPRIETARY CHANNEL SHAPED RUNNERS, 1-1/4 IN. WIDE BY MIN. 3-1/2 IN. DEEP FABRICATED FROM MIN 0.018 IN. THICK GALV STEEL, ATTACHED TO FLOOR AND CEILING WITH FASTENERS SPACED 24 IN. OC MAX.
STEEL INVESTMENT GROUP L L C — ALPHATRAK

1M. FRAMING MEMBERS* — FLOOR AND CEILING RUNNERS — NOT SHOWN — AS AN ALTERNATE TO ITEM 1 — FOR USE WITH ITEM 2O, PROPRIETARY CHANNEL SHAPED RUNNERS, MIN WIDTH TO ACCOMMODATE STUD SIZE, GALV STEEL, ATTACHED TO FLOOR AND CEILING WITH FASTENERS SPACED 24 IN. OC MAX.
RONDO BUILDING SERVICES PTY LTD — RONDO WALL TRACK

1N. FRAMING MEMBERS* — FLOOR AND CEILING RUNNERS — NOT SHOWN — AS AN ALTERNATE TO ITEM 1 — FOR USE WITH ITEM 2P, PROPRIETARY CHANNEL SHAPED RUNNERS, MIN WIDTH TO ACCOMMODATE STUD SIZE, GALV STEEL, ATTACHED TO FLOOR AND CEILING WITH FASTENERS SPACED 24 IN. OC MAX.
OEG BUILDING MATERIALS — OEG TRACK

1O. FRAMING MEMBERS* — FLOOR AND CEILING RUNNERS — NOT SHOWN — IN LIEU OF ITEM 1 — FOR USE WITH ITEM 2Q, PROPRIETARY CHANNEL SHAPED RUNNERS, MIN WIDTH TO ACCOMMODATE STUD SIZE, FABRICATED FROM MIN. 25MSG (0.018 IN. MIN. BARE METAL THICKNESS), ATTACHED TO FLOOR AND CEILING WITH FASTENERS SPACED 24 IN. OC MAX.
CALIFORNIA EXPANDED METAL PRODUCTS CO — VIPER X TRACK

2. STEEL STUDS — CHANNEL SHAPED, FABRICATED FROM MIN 25 MSG CORROSION-PROTECTED STEEL, MIN DEPTH AS INDICATED UNDER ITEM 5, SPACED A MAX OF 24 IN. OC. STUDS TO BE CUT 3/8 TO 3/4 IN. LESS THAN ASSEMBLY HEIGHT.

2A. STEEL STUDS — (AS AN ALTERNATE TO ITEM 2, FOR USE WITH ITEMS 5B, 5E, 5H, 5J OR TYPE ULIX) — CHANNEL SHAPED, FABRICATED FROM MIN 20 MSG CORROSION-PROTECTED OR GALV STEEL, 3-1/2 IN. MIN DEPTH, SPACED A MAX OF 16 IN. OC. STUDS FRICTION-FIT INTO FLOOR AND CEILING RUNNERS. STUDS TO BE CUT 5/8 TO 3/4 IN. LESS THAN ASSEMBLY HEIGHT.

2B. FRAMING MEMBERS* - STEEL STUDS — (AS AN ALTERNATE TO ITEM 2, FOR USE WITH ITEMS 5C, 5I OR TYPE ULIX) — PROPRIETARY CHANNEL SHAPED STUDS, 3-5/8 IN. DEEP SPACED A MAX OF 24 IN. OC. STUDS TO BE CUT 3/4 IN LESS THAN THE ASSEMBLY HEIGHT AND INSTALLED WITH A 1/2 IN. GAP BETWEEN THE END OF THE STUD AND TRACK AT THE BOTTOM OF THE WALL. FOR DIRECT ATTACHMENT OF GYPSUM BOARD ONLY.
CALIFORNIA EXPANDED METAL PRODUCTS CO — VIPER25™
CRACO MFG INC — SMARTSTUD25™
MARINO/WARE, DIV OF WARE INDUSTRIES INC — VIPER25™
IMPERIAL MANUFACTURING GROUP INC — VIPER25™

2C. FRAMING MEMBERS* — STEEL STUDS — NOT SHOWN — IN LIEU OF ITEM 2 — PROPRIETARY CHANNEL SHAPED STEEL STUDS, MIN DEPTH AS INDICATED UNDER ITEM 5, SPACED A MAX IF 24 IN. OC, FABRICATED FROM MIN 0.020 IN. THICK GALV STEEL. STUDS CUT 3/8 IN. TO 3/4 IN. LESS IN LENGTHS THAN ASSEMBLY HEIGHTS.
CALIFORNIA EXPANDED METAL PRODUCTS CO — VIPER20™
MARINO/WARE, DIV OF WARE INDUSTRIES INC — VIPER20™
IMPERIAL MANUFACTURING GROUP INC — VIPER20™

2D. FRAMING MEMBERS* — STEEL STUDS — IN LIEU OF ITEM 2 — CHANNEL SHAPED STUDS, MIN DEPTH AS INDICATED UNDER ITEM 5, SPACED A MAX OF 24 IN. OC. STUDS TO BE CUT 3/4 IN. LESS THAN ASSEMBLY HEIGHT.
ALLSTEEL & GYPSUM PRODUCTS INC — TYPE SUPREME D24/30EQD AND TYPE SUPREME D20.
CONSOLIDATED FABRICATORS CORP, BUILDING PRODUCTS DIV — TYPE SUPREME D24/30EQD AND TYPE SUPREME D20.
QUAIL RUN BUILDING MATERIALS INC — TYPE SUPREME D24/30EQD AND TYPE SUPREME D20.
SCAFCO STEEL STUD MANUFACTURING CO — TYPE SUPREME D24/30EQD AND TYPE SUPREME D20.
STEEL CONSTRUCTION SYSTEMS INC — TYPE SUPREME D24/30EQD AND TYPE SUPREME D20.
UNITED METAL PRODUCTS INC — TYPE SUPREME D24/30EQD AND TYPE SUPREME D20.

2E. FRAMING MEMBERS* — STEEL STUDS — (NOT SHOWN, AS AN ALTERNATE TO ITEM 2) — FOR USE WITH ITEMS 5F OR 5G OR 5I OR TYPE ULIX ONLY, CHANNEL SHAPED STUDS, MIN DEPTH AS INDICATED UNDER ITEM 5F, 5G OR 5I, FABRICATED FROM MIN. 0.015 IN. (MIN BARE METAL THICKNESS) GALVANIZED STEEL, SPACED A MAX OF 24 IN. OC. STUDS TO BE CUT 3/4 IN. LESS THAN ASSEMBLY HEIGHT.
CLARKDIETRICH BUILDING SYSTEMS — CD PROSTUD
DMFCWBS L L C — PROSTUD.
MBA METAL FRAMING — PROSTUD..
RAM SALES L L C — RAM PROSTUD
STEEL STRUCTURAL PRODUCTS L L C — TRI-S PROSTUD.

2F. FRAMING MEMBERS* — STEEL STUDS — NOT SHOWN — IN LIEU OF ITEM 2 — PROPRIETARY CHANNEL SHAPED STEEL STUDS, MINIMUM WIDTH INDICATED UNDER ITEM 5, 1-1/4 IN. DEEP FABRICATED FROM MIN 0.015 IN. (MIN BARE METAL THICKNESS) GALVANIZED STEEL. STUDS 3/8 IN. TO 3/4 IN. LESS IN LENGTHS THAN ASSEMBLY HEIGHTS.
SUPER STUD BUILDING PRODUCTS — THE EDGE

2G. FRAMING MEMBERS* — STEEL STUDS — NOT SHOWN — IN LIEU OF ITEM 2 — PROPRIETARY CHANNEL SHAPED STUDS, MINIMUM WIDTH INDICATED UNDER ITEM 5, STUDS TO BE CUT 3/8 TO 3/4 IN LESS THAN THE ASSEMBLY HEIGHT.
STUDCO BUILDING SYSTEMS — CROCSTUD

2H. FRAMING MEMBERS* — STEEL STUDS — (NOT SHOWN, AS AN ALTERNATE TO ITEM 2) — FABRICATED FROM MIN. 0.015 IN. (MIN BARE METAL THICKNESS) GALVANIZED STEEL, SPACED A MAX OF 24 IN. OC. STUDS TO BE CUT 3/4 IN. LESS THAN ASSEMBLY HEIGHT.
TELLING INDUSTRIES L L C — TRUE-STUD™

2I. FRAMING MEMBERS* — STEEL STUDS — (AS AN ALTERNATE TO ITEM 2, FOR USE WITH ITEMS 5C OR 5L OR 5K) — PROPRIETARY CHANNEL SHAPED STUDS, 3-5/8 IN. DEEP SPACED A MAX OF 24 IN. OC. STUDS TO BE CUT 3/4 IN LESS THAN THE ASSEMBLY HEIGHT AND INSTALLED WITH A 1/2 IN. GAP BETWEEN THE END OF THE STUD AND TRACK AT THE BOTTOM OF THE WALL. FOR DIRECT ATTACHMENT OF GYPSUM BOARD ONLY.
TELLING INDUSTRIES L L C — VIPER25™

2J. FRAMING MEMBERS* — METAL STUDS — NOT SHOWN — IN LIEU OF ITEM 2 — PROPRIETARY CHANNEL SHAPED STEEL STUDS, MIN DEPTH AS INDICATED UNDER ITEM 5, SPACED A MAX IF 24 IN. OC, FABRICATED FROM MIN 0.018 IN. THICK GALV STEEL. STUDS CUT 3/8 IN. TO 3/4 IN. LESS IN LENGTHS THAN ASSEMBLY HEIGHTS

2K. FRAMING MEMBERS* — STEEL STUDS — AS AN ALTERNATE TO ITEM 2 — FOR USE WITH ITEM 1, CHANNEL SHAPED STUDS, FABRICATED FROM MIN 25 MSG CORROSION-PROTECTED STEEL, MIN DEPTH AS INDICATED UNDER ITEM 5, SPACED A MAX OF 24 IN. OC. STUDS TO BE CUT 3/8 TO 3/4 IN. LESS THAN ASSEMBLY HEIGHT.
EB METAL INC — NITROSTUD

2L. FRAMING MEMBERS* — STEEL STUDS — AS AN ALTERNATE TO ITEM 2 — FOR USE WITH ITEM 1, CHANNEL SHAPED STUDS, FABRICATED FROM MIN 25 MSG CORROSION-PROTECTED STEEL, MIN DEPTH AS INDICATED UNDER ITEM 5, SPACED A MAX OF 24 IN. OC. STUDS TO BE CUT 3/8 TO 3/4 IN. LESS THAN ASSEMBLY HEIGHT.
OLMAR SUPPLY INC — PRIMESTUD

2M. FRAMING MEMBERS* — STEEL STUDS — AS AN ALTERNATE TO ITEM 2 — FOR USE WITH ITEM 1, CHANNEL SHAPED STUDS, FABRICATED FROM MIN 25 MSG CORROSION-PROTECTED STEEL, MIN DEPTH AS INDICATED UNDER ITEM 5, SPACED A MAX OF 24 IN. OC. STUDS TO BE CUT 3/8 TO 3/4 IN. LESS THAN ASSEMBLY HEIGHT.
MARINO/WARE, DIV OF WARE INDUSTRIES INC — STUDRITE™

2N. FRAMING MEMBERS*— STEEL STUDS — AS AN ALTERNATE TO ITEM 2 — PROPRIETARY CHANNEL SHAPED STEEL STUDS, MIN DEPTH 3-1/2 IN. AND AS INDICATED UNDER ITEM 5, SPACED A MAX OF 24 IN. OC, FABRICATED FROM MIN 0.018 IN. THICK GALV STEEL. STUDS CUT 3/8 IN. TO 3/4 IN. LESS IN LENGTH THAN ASSEMBLY HEIGHT.
STEEL INVESTMENT GROUP L L C — ALPHASTUD

2O. FRAMING MEMBERS* — STEEL STUDS — AS AN ALTERNATE TO ITEM 2 — PROPRIETARY CHANNEL SHAPED STEEL STUDS, MIN WIDTH AS INDICATED UNDER ITEM 5, GALV STEEL. STUDS TO BE CUT 3/8 TO 3/4 IN. LESS IN LENGTHS THAN ASSEMBLY HEIGHT. SPACED 24 IN. OC MAX.
RONDO BUILDING SERVICES PTY LTD — RONDO LIPPED WALL STUD

2P. FRAMING MEMBERS* — STEEL STUDS — AS AN ALTERNATE TO ITEM 2 — PROPRIETARY CHANNEL SHAPED STEEL STUDS, MIN WIDTH AS INDICATED UNDER ITEM 5, MIN 25 MSG GALV STEEL. STUDS TO BE CUT 3/8 TO 3/4 IN. LESS IN LENGTHS THAN ASSEMBLY HEIGHT. SPACED 24 IN. OC MAX.
OEG BUILDING MATERIALS — OEG STUD

2Q. FRAMING MEMBERS* — STEEL STUDS — NOT SHOWN— IN LIEU OF ITEM 2— FOR USE WITH ITEM 1O, PROPRIATARY CHANNEL SHAPED STEEL STUDS, MIN DEPTH AS INDICATED UNDER ITEM 5, SPACED A MAX OF 24 IN. OC, FABRICATED FROM MIN 25 MSG (0.018 IN. MIN. BARE METAL THICKNESS). STUDS CUT $\frac{3}{8}$ IN. TO $\frac{3}{4}$ IN. LESS IN LENGTHS THAN ASSEMBLY HEIGHTS.
CALIFORNIA EXPANDED METAL PRODUCTS CO — VIPER X

3. WOOD STRUCTURAL PANEL SHEATHING — (OPTIONAL, FOR USE WITH ITEM 5 ONLY) — (NOT SHOWN) — 4 FT WIDE, 7/16 IN. THICK ORIENTED STRAND BOARD (OSB) OR 15/32 IN. THICK STRUCTURAL 1 SHEATHING (PLYWOOD) COMPLYING WITH DOC PS1 OR PS2, OR APA STANDARD PRP-108, MANUFACTURED WITH EXTERIOR GLUE, APPLIED HORIZONTALLY OR VERTICALLY TO THE STEEL STUDS. VERTICAL JOINTS CENTERED ON STUDS, AND STAGGERED ONE STUD SPACE FROM WALLBOARD JOINTS. ATTACHED TO STUDS WITH FLAT-HEAD SELF-DRILLING TAPPING SCREWS WITH A MIN. HEAD DIAM. OF 0.292 IN. AT MAXIMUM 6 IN. OC. IN THE PERIMETER AND 12 IN. OC. IN THE FIELD, WHEN USED. GYPSUM PANELS ATTACHED OVER OSB OR PLYWOOD PANELS AND FASTENER LENGTHS FOR GYPSUM PANELS INCREASED BY MIN. 1/2 IN.

4. BATTS AND BLANKETS* — (REQUIRED AS INDICATED UNDER ITEM 5) — MINERAL WOOL BATTS, FRICTION FITTED BETWEEN STUDS AND RUNNERS. MIN NOM THICKNESS AS INDICATED UNDER ITEM 5.
SEE BATTS AND BLANKETS (BKNV OR BZJZ) CATEGORIES FOR NAMES OF CLASSIFIED COMPANIES.

4A. BATTS AND BLANKETS* — (OPTIONAL) — PLACED IN STUD CAVITIES, ANY GLASS FIBER OR MINERAL WOOL INSULATION BEARING THE UL CLASSIFICATION MARKING AS TO SURFACE BURNING CHARACTERISTICS AND/OR FIRE RESISTANCE.
SEE BATTS AND BLANKETS (BKNV OR BZJZ) CATEGORIES FOR NAMES OF CLASSIFIED COMPANIES.

4B. FIBER, SPRAYED* — (OPTIONAL) AND AS AN ALTERNATE TO BATTS AND BLANKETS (ITEM 4B) WHERE INSULATION IS REQUIRED - SPRAY APPLIED GRANULATED MINERAL FIBER MATERIAL. THE FIBER IS APPLIED WITH ADHESIVE AT A MINIMUM DENSITY OF 4.0 PCF TO COMPLETELY FILL THE WALL CAVITY IN ACCORDANCE WITH THE APPLICATION INSTRUCTIONS SUPPLIED WITH THE PRODUCT. SEE FIBER, SPRAYED (CCAZ).
AMERICAN ROCKWOOL MANUFACTURING, LLC — TYPE ROCKWOOL PREMIUM PLUS

4C. FOAMED PLASTIC — (WHERE BATTS AND BLANKETS*, ITEM 4, ARE OPTIONAL, FOR USE WITH ITEM 5K) — SPRAY APPLIED , FOAMED PLASTIC INSULATION, AT ANY THICKNESS FROM PARTIAL TO COMPLETELY FILLING STUD CAVITY, FOR 2 HOUR RATED ASSEMBLIES ONLY. WHEN FOAMED PLASTIC IS USED, MINIMUM STUD DEPTH SHALL BE 3-1/2IN.
CARLISLE SPRAY FOAM INSULATION — TYPES SEALTITE PRO CLOSED CELL (CC), SEALTITE PRO OPEN CELL (OC), SEALTITE PRO OCX, SEALTITE PRO NO TRIM 21, SEALTITE PRO ONE ZERO, FOAMSULATE CLOSED CELL, FOAMSULATE OCX, FOAMSULATE 70, AND FOAMSULATE HFO.

4D. FOAMED PLASTIC — (WHERE BATTS AND BLANKETS*, ITEM 4, ARE OPTIONAL, FOR USE WITH ITEM 5K) — SPRAY APPLIED , FOAMED PLASTIC INSULATION, AT ANY THICKNESS FROM PARTIAL TO COMPLETELY FILLING STUD CAVITY, FOR 2 HOUR RATED ASSEMBLIES ONLY. WHEN FOAMED PLASTIC IS USED, MINIMUM STUD DEPTH SHALL BE 3-1/2IN. WITH MINIMUM 20 MSG STEEL THICKNESS.
BASF CORP — ENERTITE NM, ENERTITE G, FE178, SPRAYTITE 178, SPRAYTITE 81206, WALTITE 200, WALLTITE US, WALLTITE US-N, WALLTITE HP+, FE137, FE158, SPRAYTITE 158, SPRAYTITE SP AND SPRAYTITE 81205.

5. GYPSUM BOARD* — GYPSUM PANELS WITH BEVELED, SQUARE OR TAPERED EDGES, APPLIED VERTICALLY OR HORIZONTALLY. VERTICAL JOINTS CENTERED OVER STUDS AND STAGGERED ONE STUD CAVITY ON OPPOSITE SIDES OF STUDS. VERTICAL JOINTS IN ADJACENT LAYERS (MULTILAYER SYSTEMS) STAGGERED ONE STUD CAVITY. HORIZONTAL JOINTS NEED NOT BE BACKED BY STEEL FRAMING. HORIZONTAL EDGE JOINTS AND HORIZONTAL BUTT JOINTS ON OPPOSITE SIDES OF STUDS NEED NOT BE STAGGERED. HORIZONTAL EDGE JOINTS AND HORIZONTAL BUTT JOINTS IN ADJACENT LAYERS (MULTILAYER SYSTEMS) STAGGERED A MIN OF 12 IN. THE THICKNESS AND NUMBER OF LAYERS FOR THE 1 HR, 2 HR, 3 HR AND 4 HR RATINGS ARE AS FOLLOWS:

Gypsum Board Protection on Each Side of Wall

Rating, Hr	Min Stud Depth, in. Items 2, 2C, 2D, 2F, 2G, 2O	No. of Layers & Thkns of Panel	Min Thkns of Insulation (Item 4)
1	3-1/2	1 layer, 5/8 in. thick	Optional
1	2-1/2	1 layer, 1/2 in. thick	1-1/2 in.
1	1-5/8	1 layer, 3/4 in. thick	Optional
2	1-5/8	2 layers, 1/2 in. thick	Optional
2	1-5/8	2 layers, 5/8 in. thick	Optional
2	3-1/2	1 layer, 3/4 in. thick	3 in.
3	1-5/8	3 layers, 1/2 in. thick	Optional
3	1-5/8	2 layers, 3/4 in. thick	Optional
3	1-5/8	3 layers, 5/8 in. thick	Optional
4	1-5/8	4 layers, 5/8 in. thick	Optional
4	1-5/8	4 layers, 1/2 in. thick	Optional
4	2-1/2	2 layers, 3/4 in. thick	2 in.

CGC INC — 1/2 IN. THICK TYPE C, IP-X2 OR IPC-AR; WRC, 5/8 IN. THICK TYPE AR, C, IP-AR, IP-X1, IP-X2, IPC-AR, SCX, SHX, WRX OR WRC; 3/4 IN. THICK TYPES IP-X3 OR ULTRACODE
UNITED STATES GYPSUM CO — 1/2 IN. THICK TYPE C, IP-X2, IPC-AR OR WRC; 5/8 IN. THICK TYPE SCX, SGX, SHX, WRX, IP-X1, AR, C, WRC, FRX-G, IP-AR, IP-X2, IPC-AR ; 3/4 IN. THICK TYPES IP-X3 OR ULTRACODE
USG BORAL ZAWAWI DRYWALL L L C SFZ — 1/2 IN. TYPE C; 5/8 IN. TYPES C, SCX, ULTRACODE
USG MEXICO S A DE C V — 1/2 IN. THICK TYPE C, IP-X2, IPC-AR OR WRC; 5/8 IN. THICK TYPE AR, C, IP-AR, IP-X1, IP-X2, IPC-AR, SCX, SHX, WRX, WRC OR; 3/4 IN. THICK TYPES IP-X3 OR ULTRACODE

WHEN ITEM 7B, STEEL FRAMING MEMBERS*, IS USED, NONBEARING WALL RATING IS LIMITED TO 1 HR. MIN. STUD DEPTH IS 3-1/2 IN., MIN. THICKNESS OF INSULATION (ITEM 4) IS 3 IN., AND TWO LAYERS OF GYPSUM BOARD PANELS (1/2 IN. OR 5/8 IN. THICK) SHALL BE ATTACHED TO FURRING CHANNELS AS DESCRIBED IN ITEM 6. ONE LAYER OF GYPSUM BOARD PANELS (1/2 IN. OR 5/8 IN. THICK) ATTACHED TO OPPOSITE SIDE OF STUD WITHOUT FURRING CHANNELS AS DESCRIBED IN ITEM 6.

5A. GYPSUM BOARD* — (AS AN ALTERNATE TO ITEM 5) — 5/8 IN. THICK, 24 TO 54 IN. WIDE, APPLIED HORIZONTALLY AS THE OUTER LAYER TO ONE SIDE OF THE ASSEMBLY. SECURED AS DESCRIBED IN ITEM 6.
CGC INC — TYPE SHX.
UNITED STATES GYPSUM CO — TYPE FRX-G, SHX.
USG MEXICO S A DE C V — TYPE SHX.

5B. GYPSUM BOARD* — (NOT SHOWN) — AS AN ALTERNATE TO ITEM 5 WHEN USED AS THE BASE LAYER ON ONE OR BOTH SIDES OF WALL WHEN 5/8 IN OR 3/4 IN. THICK PRODUCTS ARE SPECIFIED. FOR DIRECT ATTACHMENT ONLY TO STEEL STUDS ITEM 2A, (NOT TO BE USED WITH ITEM 3) — NOM 5/8 IN. OR 3/4 IN. MAY BE USED AS ALTERNATE TO ALL 5/8 OR 3/4 IN. SHOWN IN ITEM 5, WALLBOARD PROTECTION ON EACH SIDE OF WALL TABLE. NOM 5/8 IN. OR 3/4 IN. THICK LEAD BACKED GYPSUM PANELS WITH BEVELED, SQUARE OR TAPERED EDGES, APPLIED VERTICALLY. VERTICAL JOINTS CENTERED OVER STUDS AND STAGGERED MIN 1 STUD CAVITY ON OPPOSITE SIDES OF STUDS. GYPSUM BOARD SECURED TO 20 MSG STEEL STUDS ITEM 2A WITH 1-1/4 IN. LONG TYPE S-12 STEEL SCREWS SPACED 8 IN. OC AT PERIMETER AND 12 IN. OC IN THE FIELD. TO BE USED WITH LEAD BATTEN STRIPS (SEE ITEM 11) OR LEAD DISCS OR TABS (SEE ITEM 12).
RAY-BAR ENGINEERING CORP — TYPE RB-LBG

5C. GYPSUM BOARD* — (FOR USE WITH ITEM 2B) — RATING LIMITED TO 1 HOUR. 5/8 IN. THICK, 48 IN. WIDE, GYPSUM PANELS WITH BEVELED, SQUARE OR TAPERED EDGES, APPLIED VERTICALLY OR HORIZONTALLY. (VERTICAL APPLICATION) - THE GYPSUM BOARD IS TO BE INSTALLED ON EACH SIDE OF THE STUDS WITH 1 IN. LONG TYPE S COATED STEEL SCREWS SPACED 8 IN. OC STARTING 4 IN. FROM THE EDGE OF THE BOARD AT THE VERTICAL EDGES AND 12 IN. OC STARTING 6 IN. FROM THE EDGE OF THE BOARD AT THE CENTER OF EACH BOARD. GYPSUM BOARDS ARE TO BE SECURED TO THE TOP AND BOTTOM TRACK WITH SCREWS SPACED 8 IN. OC STARTING 4 IN. FROM THE BOARD EDGE. FASTENERS SHALL NOT PENETRATE THROUGH BOTH THE STUD AND THE TRACK AT THE SAME TIME. VERTICAL JOINTS ARE TO BE CENTERED OVER STUDS AND STAGGERED ONE STUD CAVITY ON OPPOSITE SIDES OF STUDS. (HORIZONTAL APPLICATION) - THE GYPSUM BOARD IS TO BE INSTALLED ON EACH SIDE OF THE STUDS WITH 1 IN. LONG TYPE S COATED STEEL SCREWS SPACED 8 IN. OC STARTING 4 IN. FROM THE EDGE OF THE BOARD AT THE VERTICAL EDGES AND 12 IN. OC STARTING 6 IN. FROM THE EDGE OF THE BOARD AT THE CENTER OF EACH BOARD. GYPSUM BOARDS ARE TO BE SECURED TO THE TOP AND BOTTOM TRACK WITH SCREWS SPACED 8 IN. OC STARTING 4 IN. FROM THE BOARD EDGE. FASTENERS SHALL NOT PENETRATE THROUGH BOTH THE STUD AND THE TRACK AT THE SAME TIME. ALL HORIZONTAL JOINTS ARE TO BE BACKED AS OUTLINED UNDER SECTION VI OF VOLUME 1 IN THE FIRE RESISTIVE DIRECTORY.
CGC INC — TYPE SCX, ULIX.
THE SIAM GYPSUM INDUSTRY (SONGKHLA) CO — TYPE SCX.
UNITED STATES GYPSUM CO — TYPE SCX, SGX, ULIX.
USG BORAL ZAWAWI DRYWALL L L C SFZ — TYPE SCX
USG MEXICO S A DE C V — TYPE SCX

5D. GYPSUM BOARD* — (AS AN ALTERNATE TO ITEM 5) — 5/8 IN. THICK, 48 IN. WIDE, APPLIED VERTICALLY OR HORIZONTALLY. SECURED AS DESCRIBED IN ITEM 6. FOR USE WITH ITEMS 1 AND 2 ONLY.
CGC INC — TYPE USGX
UNITED STATES GYPSUM CO — TYPE USGX
USG BORAL DRYWALL SFZ LLC — TYPE USGX
USG MEXICO S A DE C V — TYPE USGX

5E. GYPSUM BOARD* — (NOT SHOWN) — (AS AN ALTERNATE TO ITEM 5 WHEN USED AS THE BASE LAYER ON ONE OR BOTH SIDES OF WALL WHEN 1/2 IN. OR 5/8 IN THICK PRODUCTS ARE SPECIFIED, FOR DIRECT ATTACHMENT ONLY TO STEEL STUDS ITEM 2A, NOT TO BE USED WITH ITEM 3). NOMINAL 5/8 IN. THICK LEAD BACKED GYPSUM PANELS WITH BEVELED, SQUARE OR TAPERED EDGES, APPLIED VERTICALLY. VERTICAL JOINTS CENTERED OVER STUDS AND STAGGERED MIN 1 STUD CAVITY ON OPPOSITE SIDES OF STUDS. WALLBOARD SECURED TO STUDS WITH 1-1/4 IN. LONG TYPE S-12 (OR NO. 6 BY 1-1/4 IN. LONG BUGLE HEAD FINE DRILLER) STEEL SCREWS SPACED 8 IN. OC AT PERIMETER AND 12 IN. OC IN THE FIELD.
NEW ENGLAND LEAD BURNING CO INC, DBA NELCO — NELCO

5F. GYPSUM BOARD* — (AS AN ALTERNATE TO ITEM 5) — FOR USE WITH ITEMS 1E AND 2E AND LIMITED TO 1 HOUR RATING ONLY, GYPSUM PANELS WITH BEVELED, SQUARE OR TAPERED EDGES, APPLIED VERTICALLY, AND FASTENED TO THE STEEL STUDS WITH 1 IN. LONG TYPE S SCREWS SPACED 8 IN. OC ALONG VERTICAL AND BOTTOM EDGES AND 12 IN. OC IN THE FIELD. VERTICAL JOINTS CENTERED OVER STUDS AND STAGGERED ONE STUD CAVITY ON OPPOSITE SIDES OF STUDS. STEEL STUD DEPTH SHALL BE A MINIMUM 3-5/8 IN.
THE SIAM GYPSUM INDUSTRY (SONGKHLA) CO — TYPE SCX
UNITED STATES GYPSUM CO — 5/8 IN. THICK TYPE SCX, SGX, ULIX
USG BORAL ZAWAWI DRYWALL L L C SFZ — 5/8 IN. THICK TYPE SCX, SGX

5G. GYPSUM BOARD* — (AS AN ALTERNATE TO ITEM 5) — FOR USE WITH ITEMS 1E AND 2E ONLY, GYPSUM PANELS WITH BEVELED, SQUARE OR TAPERED EDGES, APPLIED VERTICALLY OR HORIZONTALLY, AS SPECIFIED IN THE TABLE BELOW AND FASTENED TO THE STEEL STUDS AS DESCRIBED IN ITEM 6. VERTICAL JOINTS CENTERED OVER STUDS AND STAGGERED ONE STUD CAVITY ON OP

Design No. U419

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7C. FRAMING MEMBERS* — (NOT SHOWN) — (OPTIONAL ON ONE OR BOTH SIDES, NOT SHOWN, FOR SINGLE OR DOUBLE LAYER SYSTEMS) — AS AN ALTERNATE TO ITEM 7, FURRING CHANNELS AND STEEL FRAMING MEMBERS AS DESCRIBED BELOW:
A. FURRING CHANNELS — FORMED OF NO. 25 MSG GALV STEEL. 2-3/8 IN. WIDE BY 7/8 IN. DEEP, SPACED MAX. 24 IN. OC PERPENDICULAR TO STUDS. CHANNELS SECURED TO STUDS AS DESCRIBED IN ITEM B. GYPSUM BOARD ATTACHED TO FURRING CHANNELS AS DESCRIBED IN ITEM 6. NOT FOR USE WITH ITEM 5A.
B. STEEL FRAMING MEMBERS* — USED TO ATTACH FURRING CHANNELS (ITEM 7AA) TO STUDS (ITEM 2). CLIPS SPACED MAX. 48 IN. OC. GENIECLIPS SECURED TO STUDS WITH NO. 8 X 1-1/2 IN. MINIMUM SELF-DRILLING, S-12 STEEL SCREW THROUGH THE CENTER GROMMET. FURRING CHANNELS ARE FRICTION FITTED INTO CLIPS.
PLITEQ INC — TYPE GENIECLIP

7D. STEEL FRAMING MEMBERS* — (OPTIONAL ON ONE OR BOTH SIDES, NOT SHOWN, FOR SINGLE OR DOUBLE LAYER SYSTEMS) — FURRING CHANNELS AND STEEL FRAMING MEMBERS AS DESCRIBED BELOW:
A. FURRING CHANNELS — FORMED OF NO. 25 MSG GALV STEEL. SPACED 24 IN. OC PERPENDICULAR TO STUDS. CHANNELS SECURED TO STUDS AS DESCRIBED IN ITEM B. ENDS OF ADJOINING CHANNELS OVERLAPPED 6 IN. AND TIED TOGETHER WITH DOUBLE STRAND OF NO. 18 AWG GALVANIZED STEEL WIRE.. GYPSUM BOARD ATTACHED TO FURRING CHANNELS AS DESCRIBED IN ITEM 6. NOT FOR USE WITH ITEM 5A.
B. STEEL FRAMING MEMBERS* — USED TO ATTACH FURRING CHANNELS (ITEM 7DA) TO STUDS. CLIPS SPACED 48 IN. OC., AND SECURED TO STUDS WITH NO. 8 X 2-1/2 IN. COARSE DRYWALL SCREW WITH 1 IN. DIAM WASHER THROUGH THE CENTER HOLE. FURRING CHANNELS ARE FRICTION FITTED INTO CLIPS
STUDCO BUILDING SYSTEMS — RESILMOUNT SOUND ISOLATION CLIPS - TYPE A237 OR A237R.

7E. STEEL FRAMING MEMBERS* — (OPTIONAL ON ONE OR BOTH SIDES, NOT SHOWN, FOR SINGLE OR DOUBLE LAYER SYSTEMS) — FURRING
CHANNELS AND STEEL FRAMING MEMBERS AS DESCRIBED BELOW:
A. FURRING CHANNELS — FORMED OF NO. 25 MSG GALV STEEL. SPACED 24 IN. OC PERPENDICULAR TO STUDS. CHANNELS SECURED TO STUDS AS
DESCRIBED IN ITEM 7EB. ENDS OF ADJOINING CHANNELS OVERLAPPED 6 IN. AND TIED TOGETHER WITH DOUBLE STRAND OF NO. 18 AWG
GALVANIZED STEEL WIRE.. GYPSUM BOARD ATTACHED TO FURRING CHANNELS AS DESCRIBED IN ITEM 6. NOT FOR USE WITH ITEM 5A AND 5E.
B. STEEL FRAMING MEMBERS* — USED TO ATTACH FURRING CHANNELS (ITEM 7EA) TO STUDS. CLIPS SPACED 48 IN. OC., AND SECURED TO STUDS
WITH NO. 8 X 2-1/2 IN. COARSE DRYWALL SCREW THROUGH THE CENTER HOLE. FURRING CHANNELS ARE FRICTION FITTED INTO CLIPS.
REGUPOL AMERICA — TYPE SONUSCLIP

7F. STEEL FRAMING MEMBERS* — (OPTIONAL ON ONE OR BOTH SIDES, NOT SHOWN, FOR SINGLE OR DOUBLE LAYER SYSTEMS) — RESILIENT
CHANNELS AND STEEL FRAMING MEMBERS AS DESCRIBED BELOW:
A. RESILIENT CHANNELS — FORMED OF NO. 25 MSG GALV STEEL, SPACED 24 IN. OC, AND PERPENDICULAR TO STUDS. CHANNELS SECURED TO
STUDS AS DESCRIBED IN ITEM B. ENDS OF ADJOINING CHANNELS OVERLAPPED 6 IN. AND SECURED IN PLACE WITH TWO NO. 8 1S X 1/2 IN. PHILIPS
MODIFIED TRUSS SCREWS SPACED 2-1/2 IN. FROM THE CENTER OF THE OVERLAP. GYPSUM BOARD ATTACHED TO RESILIENT CHANNELS AS DESCRIBED IN
ITEM 5. NOT FOR USE WITH ITEM 5A AND 5E.
B. STEEL FRAMING MEMBERS* — USED TO ATTACH RESILIENT CHANNELS (ITEM 7FA) TO STUDS. CLIPS SPACED 48 IN. OC., AND SECURED TO STUDS WITH NO. 8 X 2-1/2 IN. COARSE DRYWALL SCREW THROUGH THE CENTER HOLE. RESILIENT CHANNELS ARE SECURED TO CLIPS WITH ONE NO. 10 X 1/2 IN. PAN-HEAD SELF-DRILLING SCREW.
KEENE BUILDING PRODUCTS CO INC — TYPE RC+ ASSURANCE CLIP

7G. FRAMING MEMBERS* — (OPTIONAL ON ONE OR BOTH SIDES, NOT SHOWN, FOR SINGLE OR DOUBLE LAYER SYSTEMS) — AS AN ALTERNATE TO
ITEM 7, FURRING CHANNELS AND STEEL FRAMING MEMBERS AS DESCRIBED BELOW:
A. FURRING CHANNELS — FORMED OF NO. 25 MSG GALV STEEL. 2-23/32 IN. WIDE BY 7/8 IN. DEEP, SPACED MAX. 24 IN. OC PERPENDICULAR TO
STUDS. CHANNELS SECURED TO STUDS AS DESCRIBED IN ITEM B. GYPSUM BOARD ATTACHED TO FURRING CHANNELS AS DESCRIBED IN ITEM 6. NOT
FOR USE WITH ITEM 5A.
B. STEEL FRAMING MEMBERS* — USED TO ATTACH FURRING CHANNELS (ITEM 7GA) TO STUDS (ITEM 2). CLIPS SPACED MAX. 48 IN. OC. CLIPS
SECURED TO STUDS WITH NO. 8 X 1-1/2 IN. MINIMUM SELF-DRILLING, S-12 STEEL SCREW THROUGH THE CENTER HOLE. FURRING CHANNELS ARE
FRICTION FITTED INTO CLIPS.
CLARKDIETRICH BUILDING SYSTEMS — TYPE CLARKDIETRICH SOUND CLIP

8. JOINT TAPE AND COMPOUND — VINYL OR CASEIN, DRY OR PREMIXED JOINT COMPOUND APPLIED IN TWO COATS TO JOINTS AND SCREW HEADS OF OUTER LAYERS. PAPER TAPE, NOM 2 IN. WIDE, EMBEDDED IN FIRST LAYER OF COMPOUND OVER ALL JOINTS OF OUTER LAYER PANELS. PAPER TAPE AND JOINT COMPOUND MAY BE OMITTED WHEN GYPSUM PANELS ARE SUPPLIED WITH A SQUARE EDGE.

9. SIDING, BRICK OR STUCCO — (OPTIONAL, NOT SHOWN) — ALUMINUM, VINYL OR STEEL SIDING, BRICK VENEER OR STUCCO, MEETING THE REQUIREMENTS OF LOCAL CODE AGENCIES, INSTALLED OVER GYPSUM PANELS. BRICK VENEER ATTACHED TO STUDS WITH CORRUGATED METAL WALL TIES ATTACHED TO EACH STUD WITH STEEL SCREWS, NOT MORE THAN EACH SIXTH COURSE OF BRICK.

10. CAULKING AND SEALANTS* — (OPTIONAL, NOT SHOWN) — A BEAD OF ACOUSTICAL SEALANT APPLIED AROUND THE PARTITION PERIMETER FOR SOUND CONTROL.
UNITED STATES GYPSUM CO — TYPE AS

11. LEAD BATTEN STRIPS — (NOT SHOWN, FOR USE WITH ITEM 5B) — LEAD BATTEN STRIPS, MIN 1-1/2 IN. WIDE, MAX 10 FT LONG WITH A MAX THICKNESS OF 0.125 IN. STRIPS PLACED ON THE INTERIOR FACE OF STUDS AND ATTACHED FROM THE EXTERIOR FACE OF THE STUD WITH TWO 1 IN. LONG TYPE S-12 PAN HEAD STEEL SCREWS, ONE AT THE TOP OF THE STRIP AND ONE AT THE BOTTOM OF THE STRIP. LEAD BATTEN STRIPS TO HAVE A PURITY OF 99.9% MEETING THE FEDERAL SPECIFICATION QQ-L-201F, GRADE "C". LEAD BATTEN STRIPS REQUIRED BEHIND VERTICAL JOINTS OF LEAD BACKED GYPSUM WALLBOARD (ITEM 5B) AND OPTIONAL AT REMAINING STUD LOCATIONS. REQUIRED BEHIND VERTICAL JOINTS.

11A. LEAD BATTEN STRIPS — (NOT SHOWN, FOR USE WITH ITEM 5H) — LEAD BATTEN STRIPS, 2 IN. WIDE, MAX 10 FT LONG WITH A MAX THICKNESS OF 0.140 IN. STRIPS PLACED ON THE FACE OF STUDS AND ATTACHED TO THE STUD WITH TWO MIN. 1 IN. LONG MIN. TYPE S-8 PAN HEAD STEEL SCREWS, ONE AT THE TOP OF THE STRIP AND ONE AT THE BOTTOM OF THE STRIP OR WITH ONE MIN. 1 IN. LONG MIN. TYPE S-8 PAN HEAD STEEL SCREW AT THE TOP OF THE STRIP. LEAD BATTEN STRIPS TO HAVE A PURITY OF 99.5% MEETING THE FEDERAL SPECIFICATION QQ-L-201F, GRADES "B, C OR D". LEAD BATTEN STRIPS REQUIRED BEHIND VERTICAL JOINTS OF LEAD BACKED GYPSUM WALLBOARD AND OPTIONAL AT REMAINING STUD LOCATIONS.

12. LEAD DISCS OR TABS — (NOT SHOWN, FOR USE WITH ITEM 5B) — USED IN LIEU OF OR IN ADDITION TO THE LEAD BATTEN STRIPS (ITEM 11) OR OPTIONAL AT OTHER LOCATIONS - MAX 3/4 IN. DIAM BY MAX 0.125 IN. THICK LEAD DISCS COMPRESSION FITTED OR ADHERED OVER STEEL SCREW HEADS OR MAX 1/2 IN. BY 1-1/4 IN. BY MAX 0.125 IN. THICK LEAD TABS PLACED ON GYPSUM BOARDS (ITEM 5B) UNDERNEATH SCREW LOCATIONS PRIOR TO THE INSTALLATION OF THE SCREWS. LEAD DISCS OR TABS TO HAVE A PURITY OF 99.9% MEETING THE FEDERAL SPECIFICATION QQ-L-201F, GRADE "C".

12A. LEAD DISCS — (NOT SHOWN, FOR USE WITH ITEM 5H) — MAX 5/16 IN. DIAM BY MAX 0.140 IN. THICK LEAD DISCS COMPRESSION FITTED OR ADHERED OVER STEEL SCREW HEADS. LEAD DISCS TO HAVE A PURITY OF 99.5% MEETING THE FEDERAL SPECIFICATION QQ-L-201F, GRADES "B, C OR D".

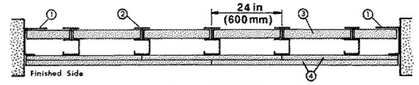
13. LEAD BATTEN STRIPS — (NOT SHOWN, FOR USE WITH ITEM 5E) — LEAD BATTEN STRIPS, 2 IN. WIDE, MAX 10 FT LONG WITH A MAX THICKNESS OF 0.142 IN. STRIPS PLACED ON THE FACE OF STUDS AND ATTACHED TO THE STUD WITH TWO MIN. 1 IN. LONG MIN. TYPE S-8 PAN HEAD STEEL SCREWS, ONE AT THE TOP OF THE STRIP AND ONE AT THE BOTTOM OF THE STRIP OR WITH ONE MIN. 1 IN. LONG MIN. TYPE S-8 PAN HEAD STEEL SCREW AT THE TOP OF THE STRIP. LEAD BATTEN STRIPS TO HAVE A PURITY OF 99.9% MEETING THE FEDERAL SPECIFICATION QQ-L-201F, GRADE "C". LEAD BATTEN STRIPS REQUIRED BEHIND VERTICAL JOINTS OF LEAD BACKED GYPSUM WALLBOARD (ITEM 5E) AND OPTIONAL AT REMAINING STUD LOCATIONS.

14. LEAD TABS — (NOT SHOWN, FOR USE WITH ITEM 5E) — 2 IN. WIDE, 5 IN. LONG WITH A MAX THICKNESS OF 0.142 IN. TABS FRICTION-FIT AROUND FRONT FACE OF STUD, THE STUD FOLDED BACK FLANGE, AND THE BACK FACE OF THE STUD. TABS REQUIRED AT EACH LOCATION WHERE A SCREW (THAT SECURES THE GYPSUM BOARDS, ITEM 5E) WILL PENETRATE THE STEEL STUD. LEAD TABS TO HAVE A PURITY OF 99.9% MEETING THE FEDERAL SPECIFICATION QQ-L-201F, GRADE "C". LEAD TABS MAY BE HELD IN PLACE WITH STANDARD ADHESIVE TAPE IF NECESSARY.
15. BARRIER MESH — (OPTIONAL, NOT SHOWN) - ATTACHED TO STEEL STUDS ON ONE OR BOTH SIDES OF THE WALL USING BARRIER MESH CLIPS SPACED AT MAXIMUM 12 INCHES ON CENTER VERTICALLY, USING A FLAT HEAD TYPE SCREW PENETRATING THROUGH THE STEEL AT LEAST 3/8 OF AN INCH. FOR STEEL STUDS LESS THAN 0.033 INCHES IN THICKNESS, USE SELF-PIERCING SCREWS. FOR STEEL STUDS EQUAL TO OR GREATER THAN 0.033 INCHES IN THICKNESS, USE STEEL DRILL SCREWS (SELF-TAPPING). GYPSUM BOARD (ITEM 5) TO BE INSTALLED DIRECTLY OVER THE BARRIER MESH USING PRESCRIBED SCREW PATTERNS WITH LENGTHS INCREASED BY A MINIMUM 1/8 IN. BARRIER MESH MAY BE INSTALLED WITH THE LONG DIMENSION OF THE DIAMOND PATTERN POSITIONED VERTICALLY OR HORIZONTALLY. BARRIER MESH JOINTS MAY OCCUR AS BUTT JOINTS AT THE FRAMING MEMBERS AND SECURED USING THE BARRIER MESH CLIPS OR OCCUR IN BETWEEN FRAMING MEMBERS AS OVERLAPPING JOINTS SECURED USING 18 SWG WIRE TIES SPACED A MAXIMUM 12 IN. ON CENTER.
CLARKDIETRICH BUILDING SYSTEMS — BARRIER MESH, BARRIER MESH CLIPS

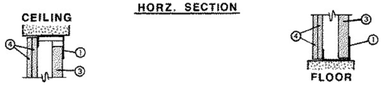
* INDICATES SUCH PRODUCTS SHALL BEAR THE UL OR CUL CERTIFICATION MARK FOR JURISDICTIONS EMPLOYING THE UL OR CUL CERTIFICATION (SUCH AS CANADA), RESPECTIVELY.

Design No. U438

FEBRUARY 1, 2024
Nonbearing Wall Rating — 2 HR.



HORZ. SECTION



1. FLOOR AND CEILING RUNNERS — "J" -SHAPED RUNNER, 2-1/2 IN. WIDE WITH UNEQUAL LEGS OF 1 IN. AND 2 IN., FABRICATED FROM 24 MSG GALV STEEL (MIN 20 MSG WHEN ITEM 4B IS USED). RUNNERS POSITIONED WITH SHORT LEG TOWARD FINISHED SIDE OF WALL. RUNNERS ATTACHED TO STRUCTURAL SUPPORTS WITH STEEL FASTENERS LOCATED NOT GREATER THAN 2 IN. FROM ENDS AND NOT GREATER THAN 24 IN. OC.

2. STEEL STUDS — "C-H" -SHAPED STUDS, 2-1/2 IN. WIDE BY 1-1/2 IN. DEEP, FABRICATED FROM 25 MSG GALV STEEL (MIN 20 MSG WHEN ITEM 4B, 4D, OR 4E IS USED). CUT TO LENGTHS 3/8 TO 1/2 IN. LESS THAN FLOOR TO CEILING HEIGHT AND SPACED 24 IN. OR 600 MM OC (MAX 16 IN. OC WHEN ITEMS 4B, 4D, 4E IS USED).

2A. STEEL STUDS — (NOT SHOWN)-"E" -SHAPED STUDS INSTALLED IN PLACE OF "C-H" -SHAPED STUDS (ITEM 2) TO SECURE THE CLOSURE LINER PANELS AT THE ENDS OF WALLS. FABRICATED FROM 25 MSG GALV STEEL (MIN 20 MSG WHEN ITEM 4B, 4D, OR 4E IS USED), 2-1/2 IN. WIDE, WITH ONE LEG 1 IN. LONG AND TWO LEGS 3/4 IN. LONG. SHORTER LEGS 1 IN. APART TO ENGAGE GYPSUM LINER PANELS. CUT TO LENGTHS 3/8 IN. LESS THAN FLOOR TO CEILING HEIGHT. SILL AND LINTEL OF OPENING FORMED WITH "J" -SHAPED RUNNERS (ITEM 1) SECURED TO "E" -SHAPED STUDS WITH ANGLE CLIPS AND STEEL SCREWS.

3. GYPSUM BOARD* — 1 IN. THICK GYPSUM WALLBOARD LINER PANELS, SUPPLIED IN NOM 24 IN. OR 600 MM (FOR METRIC SPACING) WIDTHS. PANELS CUT 1 IN. LESS IN LENGTH THAN FLOOR TO CEILING HEIGHT. VERTICAL EDGES INSERTED IN "H" -SHAPED SECTION OF "C-H" STUDS. FREE EDGE OF END PANELS ATTACHED TO LONG LEG OF "J" -RUNNERS WITH 1-5/8 IN. LONG TYPE S STEEL SCREWS SPACED NOT GREATER THAN 12 IN. OC.
CGC INC — TYPE SLX.
CERTAINTEED GYPSUM INC — TYPE SHAFTLINER, LGFCSL
UNITED STATES GYPSUM CO — TYPE SLX.
USG BORAL DRYWALL SFZ LLC — TYPE SLX
USG MEXICO S A DE C V — TYPE SLX.

4. GYPSUM BOARD* — 1/2 IN. THICK, 4 FT. OR 1200 MM (FOR METRIC SPACING) WIDE WALLBOARD APPLIED VERTICALLY IN TWO LAYERS. INNER OR BASE LAYER ATTACHED TO STUDS WITH 1 IN. LONG TYPE S STEEL SCREWS SPACED 24 IN. OC ALONG THE EDGES AND IN THE FIELD OF THE BOARDS. OUTER OR FACE LAYER ATTACHED TO STUDS AND "J" -RUNNERS WITH 1-5/8 IN. LONG TYPE S STEEL SCREWS SPACED 12 IN. ALONG THE EDGES AND IN THE FIELD OF THE BOARDS, STAGGERED FROM SCREWS IN INNER LAYER. JOINTS BETWEEN INNER AND OUTER LAYERS STAGGERED.
OUTER LAYER JOINTS COVERED WITH PAPER TAPE AND JOINT COMPOUND. EXPOSED SCREW HEADS COVERED WITH JOINT COMPOUND.
AS AN ALTERNATE METHOD, INNER WALLBOARD LAYER APPLIED VERTICALLY, OUTER WALLBOARD LAYER APPLIED HORIZONTALLY. INNER LAYER ATTACHED TO STUDS WITH 1 IN. TYPE S STEEL SCREWS SPACED 24 IN. OC ALONG VERTICAL EDGES AND IN THE FIELD. OUTER LAYER ATTACHED TO THE STUDS AND "J" RUNNERS OVER THE INNER LAYER WITH 1-5/8 IN. LONG TYPE S STEEL SCREWS SPACED 12 IN. OC IN THE FIELD, ALONG THE VERTICAL EDGES AND TO THE FLOOR AND CEILING RUNNERS. OUTER LAYER SECURED TO INNER LAYER WALLBOARD WITH 1-1/2 IN. LONG TYPE G STEEL SCREWS LOCATED MIDWAY BETWEEN STUDS AND 1 IN. FROM THE HORIZONTAL JOINT.

.AMERICAN GYPSUM CO — TYPES AG-C .
.CABOT MANUFACTURING ULC — TYPE C
.CERTAINTEED GYPSUM INC — TYPE FRPC, TYPE C.
.CGC INC — TYPE C, IP-X2, OR WRC.
.CERTAINTEED GYPSUM INC — TYPE LGFC-C/A.
.GEORGIA-PACIFIC GYPSUM L L C — TYPES 5, DAPC, TG-C.
.NATIONAL GYPSUM CO — TYPES EXP-C, FSK-C, FSW-C, FSMR-C.
.PABCO BUILDING PRODUCTS L L C, DBA PABCO GYPSUM — TYPES PG-C.
.SAINT-GOBAIN GYPROC MIDDLE EAST FZE — TYPE GYPROC FIRESTOP, GYPROC FIRESTOP MR, GYPROC FIRESTOP M2TECH, GYPROC FIRESTOP ACTIV'AIR, GYPROC FIRESTOP MR ACTIV'AIR, GYPROC FIRESTOP M2TECH ACTIV'AIR
.THAI GYPSUM PRODUCTS PCL — TYPE C.
.UNITED STATES GYPSUM CO — TYPE C, IP-X2 OR WRC.
.USG BORAL DRYWALL SFZ LLC — TYPE C
.USG MEXICO S A DE C V — TYPE C, IP-X2 OR WRC.

4A. GYPSUM BOARD* — (AS AN ALTERNATE TO ITEM 4) — 5/8 IN. THICK GYPSUM PANELS WITH BEVELED, SQUARE OR TAPERED EDGES, APPLIED VERTICALLY OR HORIZONTALLY. INNER OR BASE LAYER ATTACHED TO STUDS WITH 1 IN. LONG TYPE S OR S-12 STEEL SCREWS SPACED 24 IN. OC WHEN INSTALLED VERTICALLY OR 16 IN. OC WHEN INSTALLED HORIZONTALLY. OUTER OR FACE LAYER ATTACHED TO STUDS WITH 1-5/8 IN. LONG TYPE S OR S-12 STEEL SCREWS SPACED 12 IN. OC WHEN INSTALLED VERTICALLY AND STAGGERED 12 IN. FROM BASE LAYER SCREWS OR 8 IN. OC WHEN INSTALLED HORIZONTALLY AND STAGGERED 8 IN. FROM BASE LAYER SCREWS. HORIZONTAL JOINTS BETWEEN INNER AND OUTER LAYERS NEED NOT BE STAGGERED. HORIZONTAL JOINTS NEED NOT BE BACKED BY STEEL FRAMING. VERTICAL JOINTS CENTERED OVER STUDS AND STAGGERED 24 IN. OUTER LAYER JOINTS COVERED WITH PAPER TAPE AND JOINT COMPOUND. EXPOSED SCREW HEADS COVERED WITH JOINT COMPOUND. WHEN USED IN WIDTHS OTHER THAN 48 IN., GYPSUM PANELS TO BE INSTALLED HORIZONTALLY.
CGC INC — TYPE ULIX
UNITED STATES GYPSUM CO — TYPE ULIX.

5. BATTS AND BLANKETS* — (OPTIONAL) — (NOT SHOWN) — MINERAL WOOL OR GLASS FIBER BATTS PARTIALLY OR COMPLETELY FILLING STUD CAVITY. ANY MINERAL WOOL OR GLASS FIBER BATT MATERIAL BEARING THE UL CLASSIFICATION MARKING AS TO FIRE RESISTANCE.

5A. FIBER, SPRAYED* — AS AN ALTERNATE TO BATTS AND BLANKETS (ITEM 5) — (100% BORATE FORMULATION) — SPRAY APPLIED CELLULOSE MATERIAL. THE FIBER IS APPLIED WITH WATER TO COMPLETELY FILL THE ENCLOSED CAVITY IN ACCORDANCE WITH THE APPLICATION INSTRUCTIONS SUPPLIED WITH THE PRODUCT WITH A NOMINAL DRY DENSITY OF 2.7 LB/FT3. ALTERNATE APPLICATION METHOD: THE FIBER IS APPLIED WITHOUT WATER OR ADHESIVE AT A NOMINAL DRY DENSITY OF 3.5 LB/FT3, IN ACCORDANCE WITH THE APPLICATION INSTRUCTIONS SUPPLIED WITH THE PRODUCT.
APPLEGATE GREENFIBER ACQUISITION LLC — INSULMAX AND SANCTUARY FOR USE WITH WET OR DRY APPLICATION.

5B. FIBER, SPRAYED* — AS AN ALTERNATE TO BATTS AND BLANKETS (ITEM 5) AND ITEM 5A - SPRAY APPLIED CELLULOSE INSULATION MATERIAL. THE FIBER IS APPLIED WITH WATER TO INTERIOR SURFACES IN ACCORDANCE WITH THE APPLICATION INSTRUCTIONS SUPPLIED WITH THE PRODUCT. APPLIED TO COMPLETELY FILL THE ENCLOSED CAVITY. MINIMUM DRY DENSITY OF 4.3 POUNDS PER CUBIC FT.
NU-WOOL CO INC — CELLULOSE INSULATION

5C. FIBER, SPRAYED* — AS AN ALTERNATE TO BATTS AND BLANKETS (ITEM 5) - SPRAY APPLIED CELLULOSE FIBER. THE FIBER IS APPLIED WITH WATER TO COMPLETELY FILL THE ENCLOSED CAVITY IN ACCORDANCE WITH THE APPLICATION INSTRUCTIONS SUPPLIED WITH THE PRODUCT. THE MINIMUM DRY DENSITY SHALL BE 4.30 LBS/FT3.
INTERNATIONAL CELLULOSE CORP — CELBAR-RL

5D. FIBER, SPRAYED* — AS AN ALTERNATE TO BATTS AND BLANKETS (ITEM 5) — SPRAY-APPLIED CELLULOSE MATERIAL. THE FIBER IS APPLIED WITH WATER TO COMPLETELY FILL THE ENCLOSED CAVITY IN ACCORDANCE WITH THE APPLICATION INSTRUCTIONS SUPPLIED WITH THE PRODUCT. TO FACILITATE THE INSTALLATION OF THE MATERIAL, ANY THIN, WOVEN OR NON-WOVEN NETTING MAY BE ATTACHED BY ANY MEANS POSSIBLE TO THE OUTER FACE THE STUDS. THE MATERIAL SHALL REACH EQUILIBRIUM MOISTURE CONTENT BEFORE THE INSTALLATION OF MATERIALS ON EITHER FACE OF THE STUDS. THE MINIMUM DRY DENSITY SHALL BE 5.79 LBS/FT3 .
APPLEGATE GREENFIBER ACQUISITION LLC — APPLEGATE ADVANCED STABILIZED CELLULOSE INSULATION

6. LEAD BATTEN STRIPS — FOR USE WITH ITEM 4B - (NOT SHOWN) - LEAD BATTEN STRIPS REQUIRED BEHIND VERTICAL JOINTS OF LEAD BACKED GYPSUM WALLBOARD (ITEM 4A) AND OPTIONAL AT REMAINING STUD LOCATIONS. STRIPS, MIN 1-1/2 IN. WIDE, MAX 10 FT LONG WITH A MAX THICKNESS OF 0.125 IN. STRIPS PLACED ON THE INTERIOR FACE OF STUDS AND ATTACHED FROM THE EXTERIOR FACE OF THE STUD WITH TWO 1 IN. LONG TYPE S-12 PAN HEAD STEEL SCREWS, ONE AT THE TOP OF THE STRIP AND ONE AT THE BOTTOM OF THE STRIP. LEAD BATTEN STRIPS TO HAVE A PURITY OF 99.9% MEETING THE FEDERAL SPECIFICATION QQ-L-201F, GRADE "C".

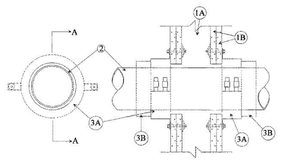
6A. LEAD DISCS OR TABS — (NOT SHOWN) - USED IN LIEU OF OR IN ADDITION TO THE LEAD BATTEN STRIPS (ITEM 6) OR OPTIONAL AT OTHER LOCATIONS - MAX 3/4 IN. DIAM BY MAX 0.125 IN. THICK LEAD DISCS COMPRESSION FITTED OR ADHERED OVER STEEL SCREW HEADS OR MAX 1/2 IN. BY 1-1/4 IN. BY MAX 0.125 IN. THICK LEAD TABS PLACED ON GYPSUM BOARDS (ITEM 5) UNDERNEATH SCREW LOCATIONS PRIOR TO THE INSTALLATION OF THE SCREWS. LEAD DISCS OR TABS TO HAVE A PURITY OF 99.9% MEETING THE FEDERAL SPECIFICATION QQ-L-201F, GRADE "C".

6B. LEAD BATTEN STRIPS — (NOT SHOWN, FOR USE WITH ITEM 4D) LEAD BATTEN STRIPS, 2 IN. WIDE, MAX 10 FT LONG WITH A MAX THICKNESS OF 0.140 IN. STRIPS PLACED ON THE FACE OF STUDS AND ATTACHED TO THE STUD WITH TWO MIN. 1 IN. LONG MIN. TYPE S-8 PAN HEAD STEEL SCREWS, ONE AT THE TOP OF THE STRIP AND ONE AT THE BOTTOM OF THE STRIP OR WITH ONE MIN. 1 IN. LONG MIN. TYPE S-8 PAN HEAD STEEL SCREW AT THE TOP OF THE STRIP. LEAD BATTEN STRIPS TO HAVE A PURITY OF 99.5% MEETING THE FEDERAL SPECIFICATION QQ-L-201F, GRADES "B, C OR D". LEAD BATTEN STRIPS REQUIRED BEHIND VERTICAL JOINTS OF LEAD BACKED GYPSUM WALLBOARD AND OPTIONAL AT REMAINING STUD LOCATIONS.

6C. LEAD DISCS — (NOT SHOWN, FOR USE WITH ITEM 4D) MAX 5/16 IN. DIAM BY MAX 0.140 IN. THICK LEAD DISCS COMPRESSION FITTED OR ADHERED OVER STEEL SCREW HEADS. LEAD DISCS TO HAVE A PURITY OF 99.5% MEETING THE FEDERAL SPECIFICATION QQ-L-201F, GRADES "B, C OR D".
* INDICATES SUCH PRODUCTS SHALL BEAR THE UL OR CUL CERTIFICATION MARK FOR JURISDICTIONS EMPLOYING THE UL OR CUL CERTIFICATION (SUCH AS CANADA), RESPECTIVELY.

System No. W-L-2081

May 24, 1995
F Ratings — 1 & 2 Hr (See Item 1B)
T Rating — 1 Hr



1. Wall Assembly — The 1 or 2 hr fire-rated gypsum wallboard/stud wall assembly shall be constructed of the materials and in the manner described in the individual U300 or U400 Series Wall or Partition Design in the UL Fire Resistance Directory and shall include the following construction features:

A. Studs — Wall framing may consist of either wood studs or steel channel studs. Wood studs to consist of nom 2 by 4 in. lumber spaced 16 in. OC with nom 2 by 4 in. lumber end plates and cross braces. Steel studs to be min 2-1/2 in. wide and spaced max 24 in. OC.

B. Gypsum Board* — 5/8 in. thick, 4 ft wide with square or tapered edges. The gypsum wallboard type, thickness, number of layers, fastener type and sheet orientation shall be as specified in the individual U300 or U400 Series Design in the UL Fire Resistance Directory. Max diam of opening is 3 in.

The hourly F rating of the firestop system is equal to the hourly fire rating of the wall assembly in which it is installed.

2. Nonmetallic Pipe — Nom 2 in. diam (or smaller) Schedule 40 flame retardant polypropylene (FRPP) pipe for use in closed (process or supply) or vented (drain, waste or vent) piping systems. One pipe to be centered within the firestop system. A nom annular space of 5/16 in. is required within the firestop system. Pipe to be rigidly supported on both sides of the wall assembly.

3. Firestop System — The firestop system shall consist of the following:

A. Firestop Device* — Galv steel collar lined with an intumescent material sized to fit specific diam of the nonmetallic pipe. Device to be installed in accordance with accompanying installation instructions. Device incorporates anchor tabs for securement to both surfaces of wall by means of 1/8 in. diam by 1-3/4 in. long steel toggle bolts in conjunction with 1/4 in. by 3/4 in. diam and 1/4 in. by 1-1/4 in. diam steel washers.

EGS NELSON FIRESTOP — PCS Device

B. Pipe Covering* — Nom 1 in. thick by 7-1/2 in. long hollow cylindrical heavy density (min 3.5 pcf) glass fiber units jacketed on the outside with an all service jacket wrapped around outer circumference of pipe on both surfaces of wall. Longitudinal joints sealed with metal fasteners or factory-applied self-sealing lap tape. Pipe covering slid along pipe until it abuts the firestop device.

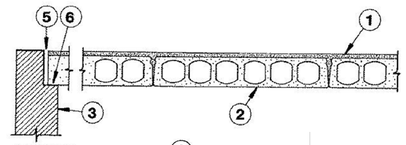
See Pipe and Equipment Covering — Materials (BRGU) category in the Building Materials Directory for names of manufacturers. Any pipe covering material meeting the above specifications and bearing the UL Classification Marking with a Flame Spread Index of 25 or less and a Smoke Developed Index of 50 or less may be used.

C. Steel Wire (Not Shown) — After installation of the pipe covering (Item 3B), min No. 18 AWG steel wire shall be wrapped around the outer circumference of the pipe covering once.

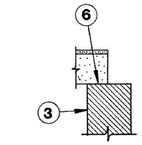
* INDICATES SUCH PRODUCTS SHALL BEAR THE UL OR CUL CERTIFICATION MARK FOR JURISDICTIONS EMPLOYING THE UL OR CUL CERTIFICATION (SUCH AS CANADA), RESPECTIVELY.

DESIGN No. J995

June 8, 2023
Restrained Assembly Ratings — 2, 3 and 4 Hr.
Unrestrained Assembly Rating — 2 Hr.



RESTRAINED END DETAIL



UNRESTRAINED END DETAIL

1. CONCRETE TOPPING — 3000 PSI COMPRESSIVE STRENGTH, 110 TO 153 PCF UNIT WEIGHT.

ASSEMBLY RATING HR	MIN. TOPPING THNKNESS IN.
2	0
3	1-1/2
4	2-5/8

2. PRECAST CONCRETE UNITS* — NOM 8, 10 OR 12 IN. DEEP BY 4 FT WIDE UNITS. CARBONATE AGGREGATE, CROSS-SECTION SIMILAR TO ABOVE ILLUSTRATION.

CORESLAB STRUCTURES INC
COUNTY MATERIALS CORP
GAGE BROS CONCRETE PRODUCTS INC
KERKSTRA PRECAST INC
LARRY E KNIGHT INC
OLDCASTLE PRECAST INC
SAY-CORE INC

3. END DETAIL — RESTRAINED AND UNRESTRAINED.

4. JOINT (NOT SHOWN) — GROUTED FULL LENGTH WITH SAND-CEMENT GROUT UNLESS CONCRETE TOPPING IS USED.

NOTE: A 3/8 IN. WIDE LATERAL EXPANSION JOINT TO BE PROVIDED THE FULL LENGTH AND DEPTH OF THE SLABS FOR EACH 14 FT OF WIDTH. EXPANSION OBTAINED WITH NONCOMBUSTIBLE, COMPRESSIBLE MATERIAL, FOR EXAMPLE 6 SHEETS OF 1/8 IN. THICK CERAMIC FIBER PAPER.

5. END CLEARANCE — CLEARANCE FOR EXPANSION AT EACH END OF SLAB SHALL BE EQUAL TO (L/17) X (1/4 +/OR/- 1/16) IN. WHERE "L" IS EQUAL TO LENGTH OF SPAN IN FT.

6. MIN BEARING — 1-1/2 IN. FOR ASSEMBLY RATING OF 3 HR. OR LESS AND 3 IN. FOR ASSEMBLY RATING OF 4 HR.

* INDICATES SUCH PRODUCTS SHALL BEAR THE UL OR CUL CERTIFICATION MARK FOR JURISDICTIONS EMPLOYING THE UL OR CUL CERTIFICATION (SUCH AS CANADA), RESPECTIVELY.

PERMIT SET
07-11-2024

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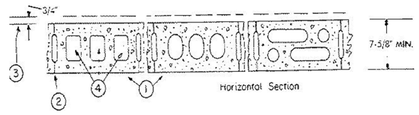
TRU HOTEL BY HILTON
RAJ PATEL
STUART, FLORIDA

Jacquin & Sons Construction jjsi.com GC060475 50th ANNIVERSARY
Construction Manager

JOB NO. 22039
DATE 07-11-2024
SHEET **LS1.9**

Design No. U905

April 14, 2023
Bearing Wall Rating — 2 HR.
Nonbearing Wall Rating — 2 HR



1. CONCRETE BLOCKS* — VARIOUS DESIGNS. CLASSIFICATION D-2 (2 HR).

SEE CONCRETE BLOCKS CATEGORY FOR LIST OF ELIGIBLE MANUFACTURERS.

2. MORTAR — BLOCKS LAID IN FULL BED OF MORTAR, NOM. 3/8 IN. THICK, OF NOT LESS THAN 2-1/4 AND NOT MORE THAN 3-1/2 PARTS OF CLEAN SHARP SAND TO 1 PART PORTLAND CEMENT (PROPORTIONED BY VOLUME) AND NOT MORE THAN 50 PERCENT HYDRATED LIME (BY CEMENT VOLUME). VERTICAL JOINTS STAGGERED.

3. PORTLAND CEMENT STUCCO OR GYPSUM PLASTER — ADD 1/2 HR TO CLASSIFICATION IF USED. WHERE COMBUSTIBLE MEMBERS ARE FRAMED IN WALL, PLASTER OR STUCCO MUST BE APPLIED ON THE FACE OPPOSITE FRAMING TO ACHIEVE A MAX. CLASSIFICATION OF 1-1/2 HR. ATTACHED TO CONCRETE BLOCKS (ITEM 1).

4. LOOSE MASONRY FILL — IF ALL CORE SPACES ARE FILLED WITH LOOSE DRY EXPANDED SLAG, EXPANDED CLAY OR SHALE (ROTARY KILN PROCESS), WATER REPELLANT VERMICULITE MASONRY FILL INSULATION, OR SILICONE TREATED PERLITE LOOSE FILL INSULATION ADD 2 HR TO CLASSIFICATION.

5. FOAMED PLASTIC* — (OPTIONAL-NOT SHOWN) — 1-1/2 IN. THICK MAX, 4 FT WIDE SHEATHING ATTACHED TO CONCRETE BLOCKS (ITEM 1).

ATLAS ROOFING CORP — "ENERGYSHIELD PRO WALL INSULATION" AND "ENERGYSHIELD PRO 2 WALL INSULATION, ENERGYSHIELD CGF PRO, ENERGYSHIELD PLY PRO, ENERGYSHIELD CGF, ENERGYSHIELD PANELCAST, ENERGYSHIELD AND ENERGYSHIELD XR."

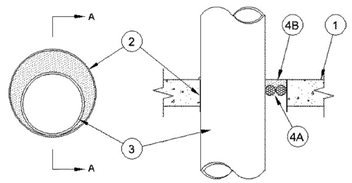
HUNTER PANELS — TYPE XCI-CLASS A, XCI 286

THE DOW CHEMICAL CO — TYPE THERMAX SHEATHING, THERMAX LIGHT DUTY INSULATION, THERMAX HEAVY DUTY INSULATION, THERMAX METAL BUILDING BOARD, THERMAX WHITE FINISH INSULATION, THERMAX CI EXTERIOR INSULATION, THERMAX IH INSULATION, THERMAX PLUS LINER PANEL AND THERMAX HEAVY DUTY PLUS (HDP)

*BEARING THE UL CLASSIFICATION MARK

System No. C-AJ-1015

August 12, 2008
F Rating — 2 Hr; FT Rating — 0 Hr



1. FLOOR OR WALL ASSEMBLY — MIN 64 MM (2-1/2 IN.) THICK REINFORCED LIGHTWEIGHT OR NORMAL WEIGHT (1600-2400 KG/CU METER (100-150 PCF)) CONCRETE. WALL MAY ALSO BE CONSTRUCTED OF ANY UL CLASSIFIED CONCRETE BLOCKS*. MAX DIAM OF OPENING IS 602 MM (27-5/8 IN.).

SEE CONCRETE BLOCKS (CAZT) CATEGORY IN THE FIRE RESISTANCE DIRECTORY FOR NAMES OF MANUFACTURERS.

2. STEEL SLEEVE — (0PTIONAL) - CYLINDRICAL SLEEVE FABRICATED FROM 0.4 MM (0.016 IN.) THICK (30 GA) (OR HEAVIER) GALV STEEL AND HAVING A MIN 25 MM (1 IN.) LAP ALONG THE LONGITUDINAL SEAM. SLEEVE INSTALLED BY COILING THE SHEET STEEL TO A DIAM SMALLER THAN THE THROUGH OPENING, INSERTING THE COIL THROUGH THE OPENING, AND RELEASING THE COIL TO LET IT UNCOIL AGAINST THE CIRCULAR CUTOUT IN THE FLOOR OR WALL. ENDS OF SLEEVE TO BE FLUSH WITH FLOOR OR WALL SURFACES. AS AN OPTION, END OF SLEEVE MAY EXTEND MAX OF 13 MM (1/2 IN.) FROM BOTTOM SURFACE OF FLOOR.

3. THROUGH PENETRANT — ONE METALLIC PIPE, CONDUIT OR TUBING TO BE INSTALLED EITHER CONCENTRICALLY OR ECCENTRICALLY WITHIN THE FIRESTOP SYSTEM. AN ANNULAR SPACE OF MIN 0 MM (POINT CONTACT) TO MAX 48 MM (1-7/8 IN.) IS REQUIRED WITHIN THE FIRESTOP SYSTEM. PIPE, CONDUIT OR TUBING TO BE RIGIDLY SUPPORTED ON BOTH SIDES OF FLOOR OR WALL ASSEMBLY. THE FOLLOWING TYPES AND SIZES OF METALLIC PIPES, CONDUITS OR TUBING MAY BE USED:

A. STEEL PIPE — NOM 610 MM (24 IN.) DIAM (OR SMALLER) SCHEDULE 10 (OR HEAVIER) STEEL PIPE.
B. IRON PIPE — NOM 610 MM (24 IN.) DIAM (OR SMALLER) CAST OR DUCTILE IRON PIPE.
C. CONDUIT — NOM 102 MM (4 IN.) DIAM (OR SMALLER) ELECTRICAL METALLIC TUBING OR RIGID STEEL CONDUIT.
D. COPPER TUBING — NOM 152 MM (6 IN.) DIAM (OR SMALLER) TYPE L (OR HEAVIER) COPPER TUBING.
E. COPPER PIPE — NOM 152 MM (6 IN.) DIAM (OR SMALLER) REGULAR (OR HEAVIER) COPPER PIPE.

4. FIRESTOP SYSTEM — THE FIRESTOP SYSTEM SHALL CONSIST OF THE FOLLOWING:

A. PACKING MATERIAL — (OPTIONAL) - FOAM BACKER ROD FIRMLY PACKED INTO OPENING AS A PERMANENT FORM. PACKING MATERIAL TO BE RECESSED FROM TOP SURFACE OF FLOOR OR FROM BOTH SURFACES OF WALL TO ACCOMMODATE THE REQUIRED THICKNESS OF FILL MATERIAL.

B. FILL, VOID OR CAVITY MATERIAL* — SEALANT — MIN 13 MM (1/2 IN.) THICKNESS OF FILL MATERIAL APPLIED WITHIN ANNULUS, FLUSH WITH TOP SURFACE OF FLOOR OR BOTH SURFACES OF WALL ASSEMBLY. AT THE POINT CONTACT LOCATION BETWEEN PIPE AND CONCRETE, A MIN 10 MM (3/8 IN.) DIAM BEAD OF SEALANT SHALL BE APPLIED AT THE CONCRETE/PIPE INTERFACE ON THE TOP SURFACE OF FLOOR AND ON BOTH SURFACES OF WALL ASSEMBLY.

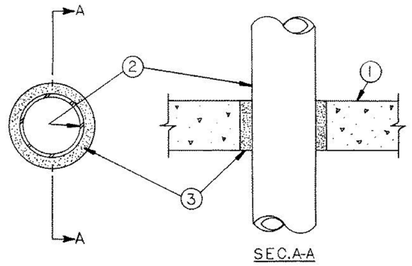
TREMCO INC — TREMSTOP INTUMESCENT ACRYLIC OR TREMSTOP IA+

* INDICATES SUCH PRODUCTS SHALL BEAR THE UL OR CUL CERTIFICATION MARK FOR JURISDICTIONS EMPLOYING THE UL OR CUL CERTIFICATION (SUCH AS CANADA), RESPECTIVELY.

System No. C-AJ-1041

June 18, 1994

F Rating — 2 Hr
T Rating — 0 Hr



1. FLOOR OR WALL ASSEMBLY — MIN 3-1/4 IN. THICK REINFORCED LIGHTWEIGHT OR NORMAL WEIGHT (100-150 PCF) CONCRETE. WALL MAY ALSO BE CONSTRUCTED OF ANY UL CLASSIFIED CONCRETE BLOCKS*. MAX DIAM OF OPENING IS 6 IN.

SEE CONCRETE BLOCKS (CAZT) CATEGORY IN THE FIRE RESISTANCE DIRECTORY FOR NAMES OF MANUFACTURERS.

2. THROUGH PENETRANTS — ONE METALLIC PIPE, CONDUIT OR TUBING TO BE CENTERED WITHIN THE FIRESTOP SYSTEM. A NOM ANNULAR SPACE OF 3/4 IN. IS REQUIRED WITHIN THE FIRESTOP SYSTEM. PIPE, CONDUIT OR TUBING TO BE RIGIDLY SUPPORTED ON BOTH SIDES OF FLOOR OR WALL ASSEMBLY. THE FOLLOWING TYPES AND SIZES OF METALLIC PIPES, CONDUITS OR TUBING MAY BE USED:

A. STEEL PIPE — NOM 4 IN. DIAM (OR SMALLER) SCHEDULE 5 (OR HEAVIER) STEEL PIPE.

B. CONDUIT — NOM 4 IN. DIAM (OR SMALLER) STEEL ELECTRICAL METALLIC TUBING OR STEEL CONDUIT.

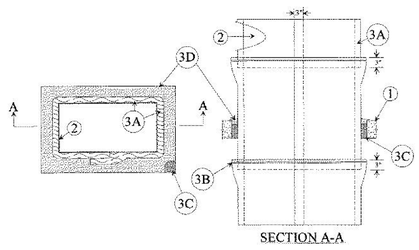
3. FILL, VOID OR CAVITY MATERIAL* — PUTTY — MIN 3-1/4 IN. THICKNESS OF FILL MATERIAL APPLIED WITHIN THE ANNULUS, FLUSH WITH BOTH SURFACES OF FLOOR OR WALL.
EGS NELSON FIRESTOP — TYPE FSP PUTTY

* INDICATES SUCH PRODUCTS SHALL BEAR THE UL OR CUL CERTIFICATION MARK FOR JURISDICTIONS EMPLOYING THE UL OR CUL CERTIFICATION (SUCH AS CANADA), RESPECTIVELY.

System No. C-AJ-7012

THROUGH-PENETRATION FIRESTOP SYSTEM
MARCH 24, 2017
F RATING — 3 HR
T RATING — 0 HR

ANSI/UL1479 (ASTM E814)	CAN/ULC S115
F Rating - 2 Hr	F Rating - 2 Hr
	FH Rating - 2 Hr
T Rating - 2 Hr	FT Rating - 2 Hr
	FTH Rating - 2 Hr



1. FLOOR OR WALL ASSEMBLY — MIN 4-1/2 IN. (114 MM) THICK REINFORCED NORMAL WEIGHT (140-150 PCF OR 2240-2400 KG/M3) CONCRETE FLOOR OR MIN 4-3/4 IN.(121 MM) THICK REINFORCED NORMAL WEIGHT CONCRETE WALL. WALL MAY ALSO BE CONSTRUCTED OF ANY UL CLASSIFIED CONCRETE BLOCKS*. MAX AREA OF OPENING IS 21.3 FT2. (1.98 M2) WITH MAX DIMENSION OF 93 IN. (2.36 M).
SEE CONCRETE BLOCKS (CAZT) CATEGORY IN THE FIRE RESISTANCE DIRECTORY FOR NAMES OF MANUFACTURERS.

2. THROUGH-PENETRANT — ONE STEEL DUCT TO BE INSTALLED WITHIN THE FIRESTOP SYSTEM. DUCT TO BE RIGIDLY SUPPORTED ON BOTH SIDES OF FLOOR OR WALL ASSEMBLY. THE FOLLOWING TYPES OF THROUGH-PENETRANTS MAY BE USED:

A. STEEL AIR DUCT — MIN 26 GAUGE (0.021 IN. OR 0.53 MM) THICK CARBON STEEL DUCT HAVING A MAX PERIMETER DIMENSION OF 216 IN. (5.5 M) AND A MAX INDIVIDUAL DIMENSION OF 84 IN. (2.13 M). DUCTS WITH ANY DIMENSION GREATER THAN 39 IN. (0.99 M) SHALL BE PROVIDED WITH INTERMEDIATE REINFORCEMENT IN ACCORDANCE WITH SMACNA HVAC DUCT CONSTRUCTION STANDARDS. REINFORCEMENT TO CONSIST OF MIN 1-1/2 IN. (38 MM) BY 1-1/2 IN. (38 MM) BY 1/8 IN. (3 MM) THICK TRANSVERSE STIFFENING ANGLES, APPROXIMATELY 2 IN. (51 MM) LESS IN LENGTH THAN THE MAX DIMENSION, SCREW ATTACHED 8 IN. (203 MM) OC TO THE DUCT 3 IN. (76 MM) BEYOND THE TOP SURFACE OF THE FLOOR AND BOTH SURFACES OF THE WALL.

3. FIRESTOP SYSTEM — THE FIRESTOP SYSTEM SHALL CONSIST OF THE FOLLOWING:
A. DUCT WRAP MATERIALS* — NOM 1-1/2 IN (38 MM) THICK, 6 PCF (96 KG/M3) CERAMIC BLANKET TOTALLY ENCAPSULATED WITHIN FOIL-SCRIM FACERS. THE STEEL DUCT SHALL BE WRAPPED WITH ONE LAYER OF DUCT WRAP INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S INSTALLATION INSTRUCTIONS, MAINTAINING MIN 3 IN. (76 MM) TRANSVERSE AND LONGITUDINAL OVERLAPS. ALL CUT EDGES AND ENDS SHALL BE SEALED WITH 3 IN. (76 MM) WIDE PRESSURE SENSITIVE ALUMINUM FOIL TAPE. A NOM ANNULAR SPACE OF 3 IN. (76 MM) IS REQUIRED BETWEEN THE INSULATED DUCT AND THE PERIPHERY OF THE OPENING.
THERMAL CERAMICS INC — FIREMASTER FASTWRAP XL, FIREMASTER FASTWRAP+ OR PYROSCAT DUCT WRAP XL.

B. STEEL BANDING STRAPS* — MIN 1/2 IN. (13 MM) WIDE BY 0.015 IN. (0.38 MM) THICK CARBON STEEL BANDING STRAPS USED IN CONJUNCTION WITH MIN 1 IN. (25 MM) LONG STAINLESS STEEL CRIMP CLIPS. BANDING STRAPS SPACED A MAX 12 IN. (305 MM) OC AND 1-1/2 IN. (38 MM) FROM TRANSVERSE JOINTS OF DUCT WRAP.

C. PACKING MATERIAL — MIN 4 IN. (102 MM) THICKNESS OF UNFACED SCRAP DUCT WRAP MATERIAL OR MIN 3 PCF (48 KG/M3) MINERAL WOOL BATT INSULATION FIRMLY PACKED INTO OPENING AS A PERMANENT FORM. PACKING MATERIAL TO BE RECESSED FROM THE TOP SURFACE OF THE FLOOR OR BOTH SURFACES OF WALL AS REQUIRED TO ACCOMMODATE THE REQUIRED THICKNESS OF FILL MATERIAL.

D. FILL, VOID OR CAVITY MATERIAL* — SEALANT — MIN 1/2 IN. (13 MM) THICKNESS OF FILL MATERIAL APPLIED WITHIN THE ANNULUS, FLUSH WITH TOP SURFACE OF FLOOR OR WITH BOTH SURFACES OF WALL.
SPECIFIED TECHNOLOGIES INC — SPECSEAL SERIES SSS, SPECSEAL LC150, SPECSEAL LCI OR PENSIL 300 SEALANTS

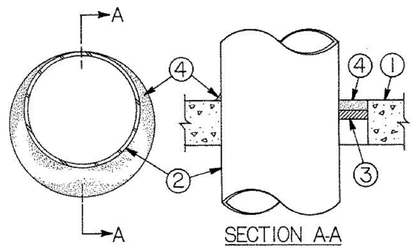
TREMCO INC — FYRE-SIL SEALANT OR FYRE-SIL S/L SEALANT (FOR FLOOR ASSEMBLIES ONLY)

DAP PRODUCTS INC — DAP FIRE STOP FIRE-RATED SILICONE SEALANT

* INDICATES SUCH PRODUCTS SHALL BEAR THE UL OR CUL CERTIFICATION MARK FOR JURISDICTIONS EMPLOYING THE UL OR CUL CERTIFICATION (SUCH AS CANADA), RESPECTIVELY.

System No. C-AJ-1001

THROUGH-PENETRATION FIRESTOP SYSTEM
March 05, 2007
F Rating — 3 Hr
T Rating — 0 Hr



1. FLOOR OR WALL ASSEMBLY — MIN 4-1/2 IN. (114 MM) THICK LIGHTWEIGHT OR NORMAL WEIGHT (100-150 PCF OR 1600-2400 KG/M3) CONCRETE. WALL MAY ALSO BE CONSTRUCTED OF ANY UL CLASSIFIED CONCRETE BLOCKS*. MAX DIAM OF CIRCULAR THROUGH OPENING IS 32-1/2 IN. (826 MM).

SEE CONCRETE BLOCKS (CAZT) CATEGORY IN THE FIRE RESISTANCE DIRECTORY FOR NAMES OF MANUFACTURERS.

1A. STEEL SLEEVE — (OPTIONAL, NOT SHOWN) — NOM 12 IN. (305 MM) DIAM (OR SMALLER) SCHEDULE 40 (OR HEAVIER) STEEL PIPE SLEEVE CAST INTO CONCRETE FLOOR OR WALL. SLEEVE TO BE FLUSH WITH OR PROJECT MAX 2 IN. (51 MM) FROM TOP SURFACE OF FLOOR OR FROM BOTH SURFACES OF WALL. AS AN ALTERNATE, NOM 12 IN. (305 MM) DIAM (OR SMALLER) SLEEVE FABRICATED FROM NOM 0.019 IN. (0.48 MM) THICK GALV STEEL CAST OR GROUTED INTO FLOOR OR WALL ASSEMBLY FLUSH WITH FLOOR OR WALL SURFACES.

2. THROUGH — PENETRANT — ONE METALLIC PIPE, CONDUIT OR TUBING INSTALLED EITHER CONCENTRICALLY OR ECCENTRICALLY WITHIN THE FIRESTOP SYSTEM. THE ANNULAR SPACE BETWEEN PIPE, CONDUIT OR TUBING AND PERIPHERY OF OPENING SHALL BE MIN OF 0 IN. (0 MM, POINT CONTACT) TO MAX 1-3/8 IN. (35 MM). PIPE, CONDUIT OR TUBING TO BE RIGIDLY SUPPORTED ON BOTH SIDES OF WALL ASSEMBLY. THE FOLLOWING TYPES AND SIZES OF METALLIC PIPES, CONDUITS OR TUBING MAY BE USED:

A. STEEL PIPE — NOM 30 IN. (762 MM) DIAM (OR SMALLER) SCHEDULE 10 (OR HEAVIER) STEEL PIPE.

A1. IRON PIPE — NOM 30 IN. (762 MM) DIAM (OR SMALLER) CAST OR DUCTILE IRON PIPE.

B. CONDUIT — NOM 6 IN. (152 MM) DIAM (OR SMALLER) RIGID STEEL CONDUIT.

C. CONDUIT — NOM 4 IN. (152 MM) DIAM (OR SMALLER) STEEL ELECTRICAL METALLIC TUBING.

3. PACKING MATERIAL — POLYETHYLENE BACKER ROD OR NOM 1 IN. (25 MM) THICKNESS OF TIGHTLY-PACKED CERAMIC (ALUMINA SILICA) FIBER BLANKET, MINERAL WOOL BATT OR GLASS FIBER INSULATION MATERIAL USED AS A PERMANENT FORM. PACKING MATERIAL TO BE RECESSED FROM TOP SURFACE OF FLOOR OR FROM BOTH SURFACES OF SOLID CONCRETE OR CONCRETE BLOCK WALL AS REQUIRED TO ACCOMMODATE THE REQUIRED THICKNESS OF CAULK FILL MATERIAL (ITEM 4). AS AN ALTERNATE WHEN MAX PIPE SIZE IS 10 IN. (254 MM) DIAM AND WHEN MAX ANNULAR SPACE IS 1 IN. (25 MM), A MIN 1 IN. (25 MM) THICKNESS OF TIGHTLY-PACKED CERAMIC FIBER BLANKET OR MINERAL WOOL BATT PACKING MATERIAL MAY BE RECESSED MIN 1/2 IN. (13 MM) FROM BOTTOM SURFACE OF FLOOR OR FROM EITHER SIDE OF SOLID CONCRETE WALL.

4. FILL, VOID OR CAVITY MATERIALS* — CAULK — APPLIED TO FILL THE ANNULAR SPACE TO THE MIN THICKNESS SHOWN IN THE FOLLOWING TABLE:

MAX PIPE DIAM IN.	MAX ANNULAR SPACE IN.	PACKING MTL TYPE (A)	MIN CAULK THKNS IN.
10 (254)	1 (25)	BR, CF, GF or MW	1/2 (13) (b)
10 (254)	1 (25)	CF or MW	1/2 (13) (c)
30 (762)	2-1/2 (64)	CF or MW	1 (25) (b)

(A) BR=POLYETHYLENE BACKER ROD.
CF=CERAMIC FIBER BLANKET.
GF=GLASS FIBER INSULATION.
MW=MINERAL-WOOL BATT.
(B) CAULK INSTALLED FLUSH WITH TOP SURFACE OF FLOOR OR BOTH SURFACES OF WALL

(C) CAULK INSTALLED FLUSH WITH BOTTOM SURFACE OF FLOOR OR ONE SURFACE OF SOLID (NON-CONCRETE BLOCK) WALL

3M COMPANY — TYPE CP 25WB+ OR FB-3000 WT

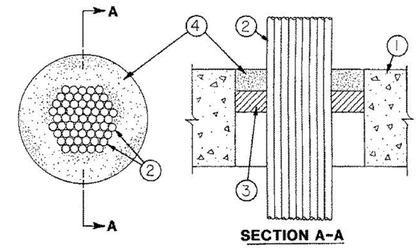
(NOTE - W RATING APPLIES ONLY WHEN FB-3000 WT IS USED ON TOP SURFACE OF FLOOR AND WHEN IT LAPS ONTO CONCRETE FOR SLEEVED OPENING.)

* INDICATES SUCH PRODUCTS SHALL BEAR THE UL OR CUL CERTIFICATION MARK FOR JURISDICTIONS EMPLOYING THE UL OR CUL CERTIFICATION (SUCH AS CANADA), RESPECTIVELY.

System No. C-AJ-3021

THROUGH-PENETRATION FIRESTOP SYSTEM
November 26, 2022
F Rating — 3 Hr
T Rating — 0 Hr

ANSI/UL1479 (ASTM E814)	CAN/ULC S115
F Rating — 2 Hr	F Rating — 2 Hr
T Rating — 0 Hr	FT Rating — 0 Hr
L Rating At Ambient - 3.75 CFM/sq ft	FH Rating — 2 Hr
L Rating At 400F - Less than 1 CFM/sq ft	FTH Rating — 0 Hr
	L Rating At Ambient - Less than 19.05 L/s/m2
	L Rating At 204C - Less than 5.1 L/s/m2



1. FLOOR OR WALL ASSEMBLY — MIN 4-1/2 IN. (114 MM) THICK LIGHTWEIGHT OR NORMAL WEIGHT (100-150 PCF OR 1600-2400 KG/M3) CONCRETE. WALL MAY ALSO BE CONSTRUCTED OF ANY UL CLASSIFIED CONCRETE BLOCKS*. MAX DIAM OF OPENING IS 6-1/4 IN. (159 MM).

SEE CONCRETE BLOCKS* (CAZT) CATEGORY IN THE FIRE RESISTANCE DIRECTORY FOR NAMES OF MANUFACTURERS.

1A. STEEL SLEEVE — (OPTIONAL, NOT SHOWN) — NOM 4 IN. (102 MM) DIAM (OR SMALLER) SCHEDULE 10 (OR HEAVIER) STEEL PIPE SLEEVE CAST INTO FLOOR OR WALL ASSEMBLY. SLEEVE TO BE FLUSH WITH FLOOR OR WALL SURFACES.

2. CABLES — MIN 12 PERCENT TO MAX 40 PERCENT FILL AREA PER MAX 4 IN. (102 MM) DIAM STEEL SLEEVED THROUGH OPENING. MIN 20 PERCENT TO MAX 40 PERCENT FILL AREA PER MAX 6-1/4 IN. (159 MM) DIAM NON-SLEEVED THROUGH OPENING. CABLES TO BE RIGIDLY SUPPORTED ON BOTH SIDES OF FLOOR OR WALL ASSEMBLY. THE FOLLOWING TYPES AND SIZES OF CABLES MAY BE USED:

A. MAX 7/C NO. 12 AWG MULTIPLE COPPER CONDUCTOR POWER AND CONTROL CABLES WITH POLYVINYL CHLORIDE (PVC) INSULATION AND JACKET MATERIALS.

B. MULTIPLE FIBER OPTICAL COMMUNICATION CABLES JACKETED WITH PVC AND HAVING A MAX OUTSIDE DIAM OF 3/4 IN.

C. MAX 200 PAIR NO. 24 AWG COPPER CONDUCTOR TELEPHONE CABLES WITH PVC INSULATION AND JACKET MATERIALS.

D. MAX 350 KCMIL POWER CABLES WITH PVC INSULATION AND JACKET MATERIAL.

3. PACKING MATERIAL — NOM 1 IN. (25 MM) THICKNESS OF CERAMIC (ALUMINUM SILICA) FIBER BLANKET OR MINERAL WOOL BATT INSULATION FIRMLY PACKED INTO OPENING AS A PERMANENT FORM. PACKING MATERIAL TO BE RECESSED MIN 1 IN. (25 MM) FROM TOP SURFACE OF FLOOR OR SLEEVE OR FROM BOTH SURFACES OF WALL.

3A. FORMING MATERIAL* — AS AN ALTERNATE TO THE PACKING MATERIAL IN ITEM 3, NOM 4 IN. (102 MM) WIDE STRIPS OF MIN 1/2 IN (13 MM) THICK COMPRESSIBLE MAT TO BE STACKED TO A THICKNESS GREATER THAN THE WIDTH OF THE ANNULAR SPACE AND COMPRESSION-FITTED, EDGE-FIRST, TO FILL THE ANNULAR SPACE TO A MIN 4 IN. (102 MM) DEPTH. AS AN OPTION, THE STRIPS OF MIN 1/2 IN. (13MM) THICK COMPRESSIBLE MAT MAY BE FOLDED IN HALF, LENGTHWISE, AND STACKED TO A THICKNESS GREATER THAN THE WIDTH OF THE ANNULAR SPACE AND COMPRESSION-FITTED, EDGE-FIRST, TO FILL THE ANNULAR SPACE TO A MIN 2 IN. (51 MM) DEPTH. TOP OF FORMING MATERIAL TO BE RECESSED FROM TOP SURFACE OF FLOOR OR FROM BOTH SURFACES OF WALL AS NECESSARY TO ACCOMMODATE THE REQUIRED THICKNESS OF CAULK FILL MATERIAL.

3M COMPANY 3M FIRE PROTECTION PRODUCTS — FIRE BARRIER PACKING MATERIAL

4. FILL, VOID, OR CAVITY MATERIALS* — PUTTY — MOLDABLE PUTTY MATERIAL KNEADED BY HAND AND APPLIED TO FILL ANNULAR SPACE (AND INTERSTICES BETWEEN CABLES TO MAX EXTENT POSSIBLE) TO A MIN DEPTH OF 1 IN. (25 MM), FLUSH WITH TOP SURFACE OF FLOOR OR SLEEVE IN WALL ASSEMBLIES, REQUIRED PUTTY DEPTH TO BE INSTALLED SYMMETRICALLY ON BOTH SIDES OF WALL.

3M COMPANY 3M FIRE PROTECTION PRODUCTS — TYPE MPS-2+

* INDICATES SUCH PRODUCTS SHALL BEAR THE UL OR CUL CERTIFICATION MARK FOR JURISDICTIONS EMPLOYING THE UL OR CUL CERTIFICATION (SUCH AS CANADA), RESPECTIVELY.

PERMIT SET
07-11-2024

AA C000606
HARTER - ADAMS P.A.
ARCHITECTS AND PLANNERS
377 MAITLAND AVE. SUITE 2010, ALTAMONTE SPRINGS, FL 32701
PHONE 407 647-5767 FAX 407 647-2862

TRU HOTEL BY HILTON
RAJ PATEL
STUART, FLORIDA

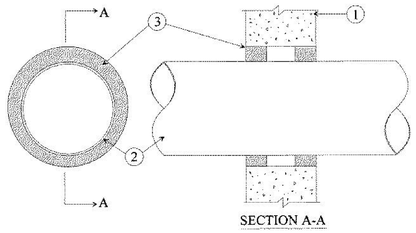
Jacquin & Sons Construction Inc. CGC060473 80th ANNIVERSARY
Construction Manager

JOB NO.
22039
DATE
07-11-2024
SHEET
LS1.10

System No. W-J-1028

THROUGH-PENETRATION FIRESTOP SYSTEM
JANUARY 21, 2015

ANSI/UL1479 (ASTM E814)	CAN/ULC S115
F Rating — 1 & 2 Hr (See Item 3)	F Rating — 1 & 2 Hr (See Item 3)
T Rating — 0 Hr	FT Rating — 0 Hr
	FH Rating — 1 & 2 Hr (See Item 3)
	FTH Rating — 0 Hr



SECTION A-A

1. WALL ASSEMBLY — MIN 2-1/2 IN. (64 MM) THICK REINFORCED LIGHTWEIGHT OR NORMAL WEIGHT (100-150 PCF OR 1600-2400 KG/M3) CONCRETE. WALL MAY ALSO BE CONSTRUCTED OF ANY UL CLASSIFIED CONCRETE BLOCKS*. MAX DIAM OF OPENING IS 12-1/2 IN. (318 MM).
SEE CONCRETE BLOCKS (CAZT) CATEGORY IN THE FIRE RESISTANCE DIRECTORY FOR NAMES OF MANUFACTURERS.

2. THROUGH-PENETRANTS — ONE METALLIC PIPE, CONDUIT OR TUBING TO BE CENTERED WITHIN THE FIRESTOP SYSTEM. THE ANNULAR SPACE BETWEEN PIPES, CONDUIT OR TUBING AND PERIPHERY OF OPENING SHALL BE MIN 1/2 IN. (13 MM) TO MAX 7/8 IN. (22 MM). PIPE, CONDUIT OR TUBING TO BE RIGIDLY SUPPORTED ON BOTH SIDES OF WALL ASSEMBLY. THE FOLLOWING TYPES AND SIZES OF METALLIC PIPES, CONDUITS OR TUBING MAY BE USED:
A. STEEL PIPE — NOM 10 IN. (254 MM) DIAM (OR SMALLER) SCHEDULE 10 (OR HEAVIER) STEEL PIPE.
B. CONDUIT — NOM 4 IN. (102 MM) DIAM (OR SMALLER) STEEL ELECTRICAL METALLIC TUBING OR NOM 6 IN. (152 MM) DIAM (OR SMALLER) STEEL CONDUIT.
C. COPPER TUBING — NOM 4 IN. (102 MM) DIAM (OR SMALLER) TYPE L (OR HEAVIER) COPPER TUBING.
D. COPPER PIPE — NOM 4 IN. (102 MM) DIAM (OR SMALLER) REGULAR (OR HEAVIER) COPPER PIPE.

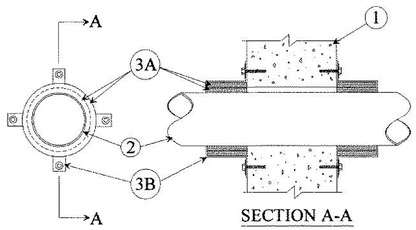
3. FILL, VOID OR CAVITY MATERIAL* — SEALANT — MIN 5/8 IN. (16 MM) OR 1-1/4 IN. (32 MM) THICKNESS OF FILL MATERIAL APPLIED WITHIN THE ANNULUS, FLUSH WITH BOTH SURFACES OF WALL FOR 1 HR AND 2 HR FIRE-RATED WALLS, RESPECTIVELY.
HILTI CONSTRUCTION CHEMICALS, DIV OF HILTI INC — CP 601S, CFS-S-SIL GG OR FS-ONE SEALANT OR FS-ONE MAX INTUMESCENT SEALANT.

* INDICATES SUCH PRODUCTS SHALL BEAR THE UL OR CUL CERTIFICATION MARK FOR JURISDICTIONS EMPLOYING THE UL OR CUL CERTIFICATION (SUCH AS CANADA), RESPECTIVELY.
LAST UPDATED ON 2015-01-21

* INDICATES SUCH PRODUCTS SHALL BEAR THE UL OR CUL CERTIFICATION MARK FOR JURISDICTIONS EMPLOYING THE UL OR CUL CERTIFICATION (SUCH AS CANADA), RESPECTIVELY.
LAST UPDATED ON 2015-01-21

System No. W-J-2022

THROUGH-PENETRATION FIRESTOP SYSTEM
February 15, 2006
F Rating — 2 Hr T Rating — 1-1/2 Hr



SECTION A-A

1. WALL ASSEMBLY — MIN 5 IN. THICK REINFORCED LIGHTWEIGHT OR NORMAL WEIGHT (100-150 PCF) CONCRETE. WALL MAY ALSO BE CONSTRUCTED OF ANY UL CLASSIFIED CONCRETE BLOCKS*. MAX DIAM OF OPENING IS 5 IN.
SEE CONCRETE BLOCKS (CAZT) CATEGORY IN THE FIRE RESISTANCE DIRECTORY FOR NAMES OF MANUFACTURERS.

2. THROUGH PENETRANTS — ONE NONMETALLIC PIPE OR CONDUIT TO BE EITHER CONCENTRICALLY OR ECCENTRICALLY WITHIN THE FIRESTOP SYSTEM. THE ANNULAR SPACE BETWEEN PIPE OR CONDUIT AND PERIPHERY OF OPENING SHALL BE MIN 0 IN. (POINT CONTACT) TO MAX 1/2 IN. PIPE OR CONDUIT TO BE RIGIDLY SUPPORTED ON BOTH SIDES OF THE WALL ASSEMBLY. THE FOLLOWING TYPES AND SIZES OF NONMETALLIC PIPES OR CONDUIT MAY BE USED:

A. POLYVINYL CHLORIDE (PVC) PIPE — NOM 4 IN. DIAM (OR SMALLER) SCHEDULE 40 CELLULAR OR SOLID CORE PVC PIPE FOR USE IN CLOSED (PROCESS OR SUPPLY) OR VENTED (DRAIN, WASTE, OR VENT) PIPING SYSTEMS.
B CHLORINATED POLYVINYL CHLORIDE (CPVC) PIPE — NOM 4 IN. DIAM (OR SMALLER) SDR 13.5 CPVC PIPE FOR USE IN CLOSED (PROCESS OR SUPPLY) PIPING SYSTEMS.
C. RIGID NONMETALLIC CONDUIT+ — NOM 4 IN. DIAM (OR SMALLER) SCHEDULE 40 PVC CONDUIT INSTALLED IN ACCORDANCE WITH ARTICLE 347 OF THE NATIONAL ELECTRICAL CODE (NFPA 70).

3. FIRESTOP SYSTEM — THE FIRESTOP SYSTEM SHALL CONSIST OF THE FOLLOWING:
A. FILL, VOID OR CAVITY MATERIAL* — WRAP STRIP — NOM 1/4 IN. THICK INTUMESCENT MATERIAL FACED ON BOTH SIDES WITH A PLASTIC FILM, SUPPLIED IN 1-1/2 IN. WIDE STRIPS. THE LAYERS OF WRAP STRIPS ARE INDIVIDUALLY WRAPPED AROUND THE THROUGH PENETRANT WITH ENDS BUTTED AND HELD IN PLACE WITH MASKING TAPE. BUTTED ENDS IN SUCCESSIVE LAYERS MAY BE ALIGNED OR OFFSET. THE EDGE OF THE WRAP STRIPS SHALL ABUT EACH SURFACE OF THE WALL. THE LAYERS OF WRAP STRIPS ARE INSTALLED ON EACH SIDE OF THE WALL. THE NUMBER OF LAYERS OF WRAP STRIP ARE DEPENDENT ON THE DIAM OF THE PIPE OR CONDUIT AS TABULATED BELOW:

DIAM OF THROUGH PENETRANT IN.	NUMBER OF WRAP STRIPS
4	2
3	2
2	1

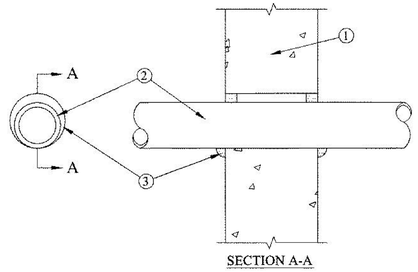
SPECIFIED TECHNOLOGIES INC — SPECSEAL RED WRAP STRIP

C. STEEL COLLAR — COLLAR FABRICATED FROM COILS OF PRECUT 0.016 IN. THICK (NO. 30 MSG) GALV SHEET STEEL AVAILABLE FROM WRAP STRIP MANUFACTURER. COLLAR SHALL BE NOM 1-1/2 IN. DEEP WITH MIN FOUR 1 IN. WIDE BY 2 IN. LONG ANCHOR TABS FOR ATTACHMENT TO THE WALL. RETAINER TABS, 3/4 IN. WIDE TAPERING DOWN TO 1/4 IN. WIDE AND LOCATED OPPOSITE THE ANCHOR TABS, ARE FOLDED 90 DEGREE TOWARD THROUGH PENETRANT SURFACE TO MAINTAIN THE ANNULAR SPACE AROUND THE THROUGH PENETRANT AND TO RETAIN THE WRAP STRIPS. STEEL COLLAR WRAPPED AROUND WRAP STRIPS AND THROUGH PENETRANT WITH A 1 IN. WIDE OVERLAP ALONG ITS PERIMETER JOINT. STEEL COLLAR TIGHTENED AROUND WRAP STRIPS AND THROUGH PENETRANT USING MIN 1/2 IN. WIDE BY 0.028 IN. THICK STAINLESS STEEL HOSE CLAMP AT MIDHEIGHT OF STEEL COLLAR. AS AN ALTERNATE TO THE STEEL HOSE CLAMP, THE STEEL COLLAR MAY BE SECURED TOGETHER BY MEANS OF THREE NO. 8 STEEL SHEET METAL SCREWS. THE LENGTH OF THE STEEL SCREWS IS DEPENDENT UPON THE NUMBER OF LAYERS OF WRAP STRIP USED WITHIN THE STEEL COLLAR. FOR STEEL COLLARS INCORPORATING A SINGLE LAYER OF WRAP STRIP, THE LENGTH OF THE STEEL SCREWS SHALL BE 1/4 IN. LONG. FOR STEEL COLLARS INCORPORATING TWO OR MORE LAYERS OF WRAP STRIP, THE LENGTH OF THE STEEL SCREWS SHALL BE 3/8 IN. LONG. COLLAR SECURED TO WALL WITH 1/4 IN. DIAM BY MIN 1-1/4 IN. LONG STEEL CONCRETE ANCHORS IN CONJUNCTION WITH MIN 1 IN. DIAM STEEL FENDER WASHERS. STEEL COLLARS ARE INSTALLED ON EACH SIDE OF WALL.

+BEARING THE UL LISTING MARK
*BEARING THE UL CLASSIFICATION MARKING

System No. W-J-2072

THROUGH-PENETRATION FIRESTOP SYSTEM
January 21, 2015
F Rating — 2 Hr
T Rating — 2 Hr
L Rating at Ambient - Less Than 1 CFM/sq ft
L Rating at 400 F - 2 CFM/sq ft



SECTION A-A

1. WALL ASSEMBLY — MIN 5 IN. (127 MM) THICK REINFORCED LIGHTWEIGHT OR NORMAL WEIGHT (100-150 PCF OR 1600-2400 KG/M3) CONCRETE. WALL MAY ALSO BE CONSTRUCTED OF ANY UL CLASSIFIED CONCRETE BLOCKS*. MAX DIAM OF OPENING IS 3 IN. (76 MM).
SEE CONCRETE BLOCKS (CAZT) CATEGORY IN THE FIRE RESISTANCE DIRECTORY FOR NAMES OF MANUFACTURERS.

2. THROUGH PENETRANTS — ONE NONMETALLIC PIPE TO BE INSTALLED EITHER CONCENTRICALLY OR ECCENTRICALLY WITHIN THE FIRESTOP SYSTEM. THE ANNULAR SPACE BETWEEN PIPE AND THE PERIPHERY OF THE OPENING SHALL BE MIN 0 IN. (POINT CONTACT) TO A MAX 5/8 IN. (16 MM). THE FOLLOWING TYPES AND SIZES OF NONMETALLIC PIPES MAY BE USED:

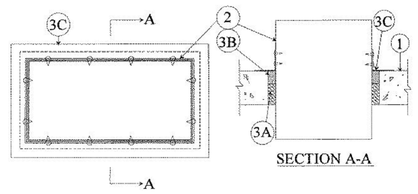
A. POLYVINYL CHLORIDE (PVC) PIPE — NOM 2 IN. (51 MM) DIAM (OR SMALLER)CELLULAR OR SOLID CORE SCHEDULE 40 (OR HEAVIER) PIPE FOR USE IN CLOSED (PROCESS OR SUPPLY) OR VENTED (DRAIN, WASTE OR VENT) PIPING SYSTEMS.
B. CHLORINATED POLYVINYL CHLORIDE (CPVC) PIPE — NOM 2 IN. (51 MM) DIAM (OR SMALLER) SDR 13.5 CPVC PIPE FOR USE IN CLOSED (PROCESS OR SUPPLY) PIPING SYSTEMS.
C. CROSSLINKED POLYETHYLENE (PEX) TUBING — NOM 2 IN. (51 MM) DIAM (OR SMALLER) SDR 9 PEX TUBING FOR USE IN CLOSED (PROCESS OR SUPPLY) PIPING SYSTEMS.
D. RIGID NONMETALLIC CONDUIT (RNC)+ — NOM 2 IN. DIAM (OR SMALLER) SCHEDULE 40 PVC CONDUIT INSTALLED IN ACCORDANCE WITH THE NATIONAL ELECTRICAL CODE.

3. FILL, VOID OR CAVITY MATERIAL* - SEALANT — MIN 5/8 IN. (16 MM) THICKNESS OF FILL MATERIAL APPLIED WITHIN ANNULUS, FLUSH WITH BOTH SURFACES OF WALL. AT POINT CONTACT LOCATION, A MIN 1/2 IN. (13 MM) DIAM BEAD OF FILL MATERIAL SHALL BE APPLIED TO THE WALL/PENETRANT INTERFACE ON BOTH SURFACES OF THE WALL.
HILTI CONSTRUCTION CHEMICALS, DIV OF HILTI INC — FS-ONE SEALANT OR FS-ONE MAX INTUMESCENT SEALANT

* INDICATES SUCH PRODUCTS SHALL BEAR THE UL OR CUL CERTIFICATION MARK FOR JURISDICTIONS EMPLOYING THE UL OR CUL CERTIFICATION (SUCH AS CANADA), RESPECTIVELY.
+ BEARING THE UL LISTING MARK

System No. C-AJ-7010

THROUGH-PENETRATION FIRESTOP SYSTEM
April 13, 1995
F Rating — 2 Hr
T Rating — 0 Hr



SECTION A-A

1. FLOOR OR WALL ASSEMBLY — MIN 4-1/2 IN. THICK REINFORCED LIGHTWEIGHT OR NORMAL WEIGHT (100-150 PCF) CONCRETE FLOOR OR MIN 6 IN. THICK REINFORCED LIGHTWEIGHT OR NORMAL WEIGHT CONCRETE WALL. WALL MAY ALSO BE CONSTRUCTED OF ANY UL CLASSIFIED CONCRETE BLOCKS*. MAX AREA OF OPENING IS 325 SQ IN. WITH MAX DIMENSIONS OF 25 IN.

SEE CONCRETE BLOCKS (CAZT) CATEGORY IN THE FIRE RESISTANCE DIRECTORY FOR NAMES OF MANUFACTURERS.

2. STEEL DUCT — NOM 24 BY 12 IN. (OR SMALLER) NO. 28 GAUGE (OR HEAVIER) STEEL DUCT. ONE DUCT TO BE INSTALLED WITHIN THE FIRESTOP SYSTEM WITH A NOM 1/2 IN. ANNULAR SPACE. STEEL DUCT TO BE RIGIDLY SUPPORTED ON BOTH SIDES OF FLOOR OR WALL ASSEMBLY.

3. FIRESTOP SYSTEM — THE FIRESTOP SYSTEM SHALL CONSIST OF THE FOLLOWING:

A. PACKING MATERIAL — MIN 3 IN. THICKNESS OF MIN 4 PCF MINERAL WOOL BATT INSULATION FIRMLY PACKED INTO OPENING AS A PERMANENT FORM. PACKING MATERIAL TO BE RECESSED FROM TOP SURFACE OF FLOOR AND FROM BOTH SURFACES OF WALL AS REQUIRED TO ACCOMMODATE THE REQUIRED THICKNESS OF FILL MATERIAL.

B. FILL, VOID OR CAVITY MATERIAL* — PUTTY — MIN 1-1/2 IN. THICKNESS OF FILL MATERIAL APPLIED WITHIN THE ANNULUS, FLUSH WITH TOP SURFACE OF FLOOR AND BOTH SURFACES OF WALL.

EGS NELSON FIRESTOP — FSP PUTTY.

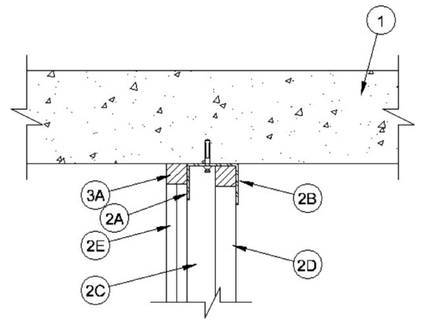
C. STEEL ANGLE — MIN 1-1/2 IN. WIDE BY 1-1/2 IN. HIGH BY 0.030 IN. (NO. 22 MSG) THICK GALV STEEL ANGLES CUT TO FIT THE CONTOUR OF THE DUCT WITH A 1 IN. LAP ON THE TOP SURFACE OF FLOOR OR BOTH SURFACES OF WALL. LEGS OF ANGLES SECURED TO DUCT WITH MIN NO. 12 SHEET METAL SCREWS, SPACED A MAX 4 IN. OC.

* INDICATES SUCH PRODUCTS SHALL BEAR THE UL OR CUL CERTIFICATION MARK FOR JURISDICTIONS EMPLOYING THE UL OR CUL CERTIFICATION (SUCH AS CANADA), RESPECTIVELY.

System No. HW-D-0342

JOINT SYSTEM
June 27, 2023

ANSI/UL1479 (ASTM E814)	CAN/ULC S115
Assembly Rating — 2 Hr	F Rating — 2 Hr
Nominal Joint Width - 1 In.	FT Rating — 2 Hr
Class II Movement Capabilities — 8% Compression and Extension	FH Rating — 2 Hr
L Rating At Ambient — Less Than 1 CFM/lin ft	FTH Rating — 2 Hr
L Rating At 400° F — Less Than 1 CFM/lin ft	Nominal Joint Width - 1 In.
	Class II Movement Capabilities — 8% Compression and Extension
	L Rating At Ambient — Less Than 1 CFM/lin ft
	L Rating At 400° F — Less Than 1 CFM/lin ft



1. FLOOR ASSEMBLY — MIN 2-1/2 IN. (64 MM) THICK REINFORCED LIGHTWEIGHT OR NORMAL WEIGHT (100-150 PCF OR 1600-2400 KG/M3) STRUCTURAL CONCRETE.
SEE PRECAST UNITS CATEGORY IN THE FIRE RESISTANCE DIRECTORY FOR NAMES OF MANUFACTURES.

2. SHAFT WALL ASSEMBLY — THE 2 HR FIRE-RATED GYPSUM BOARD /STEEL STUD SHAFT WALL ASSEMBLY SHALL BE CONSTRUCTED OF THE MATERIALS AND IN THE MANNER DESCRIBED IN THE INDIVIDUAL U400, V400 OR W400 SERIES WALL AND PARTITION DESIGN IN THE UL FIRE RESISTANCE DIRECTORY AND SHALL INCLUDE THE FOLLOWING CONSTRUCTION FEATURES:

A. FLOOR AND CEILING RUNNERS — J-SHAPED RUNNER, 2-1/2 IN. (64 MM) WIDE WITH UNEQUAL LEGS OF MIN 1-1/4 IN. (32 MM) AND 2 IN. (51 MM), FABRICATED FROM MIN 24 MSG GALV STEEL. RUNNERS POSITIONED WITH SHORT LEG TOWARD FINISHED SIDE OF WALL. RUNNERS ATTACHED TO STRUCTURAL SUPPORTS WITH STEEL FASTENERS LOCATED NOT GREATER THAN 2 IN. (51 MM) FROM ENDS AND NOT GREATER THAN 24 IN. (610 MM) OC.

B. LIGHT GAUGE FRAMING* - SLOTTED CEILING TRACK — (OPTIONAL) SLOTTED CEILING TRACK SHALL CONSIST OF GALV STEEL CHANNELS WITH SLOTTED FLANGES. SLOTTED CEILING TRACK SIZED TO ACCOMMODATE STEEL "C-H" STUDS (ITEMS 2C). ATTACHED TO CONCRETE AT CEILING WITH STEEL FASTENERS SPACED MAX 24 IN. (610 MM) OC.
CEMCO, LLC — CST
BRADY CONSTRUCTION INNOVATIONS INC, DBA SLIPTRACK SYSTEMS — SLP-TRK
MARINO/WARE, DIV OF WARE INDUSTRIES INC — TYPE SLT

B1. LIGHT GAUGE FRAMING MEMBERS* — (OPTIONAL NOT SHOWN) - AS AN OPTION, THE STEEL STUDS (ITEM 2C) MAY INCORPORATE VERTICAL DEFLECTION CLIPS FOR ATTACHMENT TO THE CEILING RUNNER (ITEM 2A) IN ACCORDANCE WITH THE MANUFACTURER'S INSTRUCTIONS.
THE STEEL NETWORK INC — VERTICLIP SLD 150.

C. STEEL STUDS — C-H-SHAPED STUDS, 2-1/2 IN. (64 MM) WIDE BY 1-1/2 IN. (38 MM) DEEP, FABRICATED FROM MIN 25 MSG GALV STEEL, CUT TO LENGTHS 3/8 TO 1/2 IN. (10 TO 13 MM) LESS THAN FLOOR TO CEILING HEIGHT AND SPACED 24 IN. (610 MM) OC. STUDS NEST IN FLOOR RUNNER AT BOTTOM AND J RUNNER OR SLOTTED CEILING TRACK AT TOP. AFTER INSTALLATION OF GYPSUM BOARD LINER PANELS (ITEM 2D), STUDS SECURED TO FLANGE OF FLOOR RUNNER ON FINISHED SIDE OF WALL ONLY WITH NO. 6 BY 1/2 IN. (13 MM) LONG SELF-DRILLING, SELF-TAPPING STEEL SCREWS. STUDS SECURED TO FLANGE OF SLOTTED CEILING TRACK ON FINISHED SIDE OF WALL ONLY WITH NO. 8 BY 1/2 IN. (13 MM) LONG SELF-DRILLING, SELF-TAPPING WAFER HEAD STEEL SCREWS AT SLOT MIDHEIGHT.

D. GYPSUM BOARD* — 1 IN. (25 MM) THICK BY 24 IN. (610 MM) WIDE GYPSUM BOARD LINER PANELS AS SPECIFIED IN THE INDIVIDUAL U400 OR V400-SERIES DESIGN. PANELS CUT 1 IN. (25 MM) LESS IN LENGTH THAN FLOOR TO CEILING HEIGHT. VERTICAL EDGES INSERTED IN "H"-SHAPED SECTION OF "C-H" STUDS. AT THE ENDS OF THE ASSEMBLY, THE FREE EDGE OF THE END PANELS ARE ATTACHED TO THE LONG LEG OF VERTICAL J-RUNNERS (ITEM 2A) WITH 1-5/8 IN. (41 MM) LONG TYPE S STEEL SCREWS SPACED MAX 12 IN. (305 MM) OC.

E. GYPSUM BOARD* — GYPSUM BOARD SHEETS, 1/2 OR 5/8 IN. (13 OR 16 MM) THICK, APPLIED VERTICALLY OR HORIZONTALLY IN TWO LAYERS ON FINISHED SIDE OF WALL AS SPECIFIED IN THE INDIVIDUAL U400 OR V400-SERIES DESIGN. A MAX 1 IN. (25 MM) GAP SHALL BE MAINTAINED BETWEEN THE TOP OF THE GYPSUM BOARD AND THE BOTTOM SURFACE OF THE CONCRETE FLOOR. THE SCREWS ATTACHING THE GYPSUM BOARD LAYERS TO THE C-H STUDS SHALL BE LOCATED 1 IN. (25 MM) BELOW THE BOTTOM OF THE J-RUNNER OR SLOTTED CEILING TRACK. NO GYPSUM BOARD ATTACHMENT SCREWS ARE TO PENETRATE THE CEILING J-RUNNER AND SLOTTED CEILING TRACK.

3. JOINT SYSTEM — MAX SEPARATION BETWEEN TOP OF LINER PANEL (ITEM 2D) AND BETWEEN TOP OF GYPSUM BOARD SHEETS (ITEM 2E) AT TIME OF INSTALLATION OF JOINT SYSTEM IS 1 IN. (25 MM). THE JOINT SYSTEM IS DESIGNED TO ACCOMMODATE A MAXIMUM 8 PERCENT COMPRESSION AND EXTENSION FROM ITS INSTALLED WIDTH. THE JOINT SYSTEM CONSISTS OF THE FOLLOWING:

A. FILL, VOID OR CAVITY MATERIAL* - SEALANT — MIN 1 IN. (25 MM) DEPTH OF SEALANT TO BE INSTALLED TO FILL LINEAR GAP BETWEEN TOP OF GYPSUM BOARD LINER PANEL (ITEM 2D) AND TOP INSIDE SURFACE OF CEILING J-RUNNER OR SLOTTED CEILING TRACK PRIOR TO INSTALLATION OF GYPSUM BOARD (ITEMD2E) ON FINISHED SIDE OF WALL. MIN 1 IN. (25 MM) DEPTH OF SEALANT TO BE INSTALLED TO FILL LINEAR GAP BETWEEN TOP OF GYPSUM BOARD SHEETS (ITEM 2E) AND BOTTOM OF CONCRETE FLOOR.
HILTI CONSTRUCTION CHEMICALS, DIV OF HILTI INC — CP 606

* INDICATES SUCH PRODUCTS SHALL BEAR THE UL OR CUL CERTIFICATION MARK FOR JURISDICTIONS EMPLOYING THE UL OR CUL CERTIFICATION (SUCH AS CANADA), RESPECTIVELY.

PERMIT SET
07-11-2024

AA C000606
HARTER - ADAMS P.A.
ARCHITECTS AND PLANNERS
377 MAITLAND AVE, SUITE 2010, ALTAMONTE SPRINGS, FL 32701
PHONE 407 647-5767 FAX 407 647-2062

TRU HOTEL BY HILTON
RAJ PATEL
STUART, FLORIDA

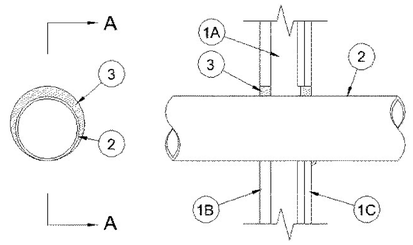
Jacquin & Sons Construction jjsi.com SCC060475 50th ANNIVERSARY
Construction Manager

JOB NO.
22039
DATE
07-11-2024
SHEET
LS1.11

System No. W-L-1380

THROUGH-PENETRATION FIRESTOP SYSTEM
January 22, 2015

ANSI/UL1479 (ASTM E814)	CAN/ULC S115
F Rating — 2 Hr	F Rating —2 Hr
T Rating — 0 Hr	FT Rating — 0 Hr
	FH Rating — 2 Hr
	FTH Rating — 0 Hr



Section A-A

1. WALL ASSEMBLY — THE 2 HR FIRE-RATED GYPSUM BOARD/STUD SHAFT WALL ASSEMBLY SHALL BE CONSTRUCTED OF THE MATERIALS AND IN THE MANNER SPECIFIED IN THE INDIVIDUAL U400, V400 OR W400 SERIES WALL AND PARTITION DESIGNS IN THE UL FIRE RESISTANCE DIRECTORY AND SHALL INCORPORATE THE FOLLOWING CONSTRUCTION FEATURES:

A. STEEL STUDS — "C-H" OR "C-T" SHAPED STUDS, MIN 2-1/2 IN. (64 MM) WIDE BY 1-1/2 IN. (38 MM) DEEP, FABRICATED FROM MIN NO. 25 GAUGE GALV STEEL, SPACED MAX 24 IN. (610 MM) OC.

B. GYPSUM BOARD* — 1 IN. (25 MM) THICK, 24 IN. (610 MM) WIDE GYPSUM LINER PANELS INSTALLED VERTICALLY. MAX DIAM OF CIRCULAR CUTOUT IN GYPSUM LINER PANEL IS 9-1/2 IN. (241 MM).

C. GYPSUM BOARD* — 1/2 IN. OR 5/8 IN. (13 OR 16 MM) THICK, 48 IN. (1.22 M) WIDE GYPSUM BOARDS. THE GYPSUM BOARD TYPE, THICKNESS, NUMBER OF LAYERS, FASTENER TYPE AND SHEET ORIENTATION SHALL BE AS SPECIFIED IN THE INDIVIDUAL WALL AND PARTITION DESIGN. MAX DIAM OF CIRCULAR CUTOUT IN GYPSUM BOARD IS 9-1/2 IN. (241 MM).

2. THROUGH-PENETRANTS — ONE METALLIC PIPE, CONDUIT OR TUBING TO BE INSTALLED EITHER CONCENTRICALLY OR ECCENTRICALLY WITHIN THE FIRESTOP SYSTEM. THE ANNULAR SPACE SHALL BE MIN 0 IN. (0 MM, POINT CONTACT) TO MAX 7/8 IN. (22 MM). PIPE, CONDUIT OR TUBING TO BE RIGIDLY SUPPORTED ON BOTH SIDES OF WALL ASSEMBLY. THE FOLLOWING TYPES AND SIZES OF METALLIC PIPES, CONDUITS OR TUBING MAY BE USED:

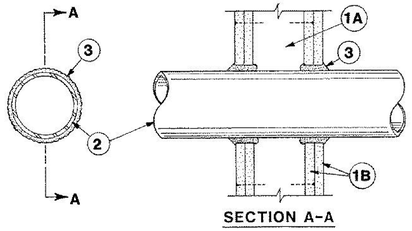
A. STEEL PIPE — NOM 8 IN. (203 MM) DIAM (OR SMALLER) SCHEDULE 10 (OR HEAVIER) STEEL PIPE.
B. IRON PIPE — NOM 8 IN. (203 MM) DIAM (OR SMALLER) CAST OR DUCTILE IRON PIPE.
C. CONDUIT — NOM 4 IN (102 MM) DIAM (OR SMALLER) STEEL ELECTRICAL METALLIC TUBING OR 6 IN. (152 MM) DIAM STEEL CONDUIT.
D. COPPER TUBING — NOM 6 IN. (152 MM) DIAM (OR SMALLER) TYPE L (OR HEAVIER) COPPER TUBING.
E. COPPER PIPE — NOM 6 IN. (152 MM) DIAM (OR SMALLER) REGULAR (OR HEAVIER) COPPER PIPE.

3. FILL, VOID OR CAVITY MATERIAL* - SEALANT — MIN 1 IN. (25 MM) THICKNESS OF FILL MATERIAL APPLIED WITHIN THE ANNULUS, FLUSH WITH EACH SURFACE OF WALL. A MIN 1/2 IN. (13 MM) DIAM BEAD OF FILL MATERIAL SHALL BE APPLIED AT THE POINT CONTACT LOCATION BETWEEN PIPE AND WALL ON THE FINISHED SIDE OF WALL.

HILTI CONSTRUCTION CHEMICALS, DIV OF HILTI INC — FS-ONE SEALANT, FS-ONE MAX INTUMESCENT SEALANT
* INDICATES SUCH PRODUCTS SHALL BEAR THE UL OR CUL CERTIFICATION MARK FOR JURISDICTIONS EMPLOYING THE UL OR CUL CERTIFICATION (SUCH AS CANADA), RESPECTIVELY.

System No. W-L-1001

THROUGH-PENETRATION FIRESTOP SYSTEM
June 15, 2005
F Ratings — 1, 2, 3 and 4 Hr (See Items 2 and 3)
T Ratings — 0, 1, 2, 3, and 4 Hr (See Item 3)
L Rating At Ambient — less than 1 CFM/sq ft
L Rating At 400 F — less than 1 CFM/sq ft



SECTION A–A

1. WALL ASSEMBLY — THE 1, 2, 3 OR 4 HR FIRE-RATED GYPSUM WALLBOARD/STUD WALL ASSEMBLY SHALL BE CONSTRUCTED OF THE MATERIALS AND IN THE MANNER DESCRIBED IN THE INDIVIDUAL U300 OR U400 SERIES WALL OR PARTITION DESIGNS IN THE UL FIRE RESISTANCE DIRECTORY AND SHALL INCLUDE THE FOLLOWING CONSTRUCTION FEATURES:

A. STUDS — WALL FRAMING MAY CONSIST OF EITHER WOOD STUDS (MAX 2 H FIRE RATED ASSEMBLIES) OR STEEL CHANNEL STUDS. WOOD STUDS TO CONSIST OF NOM 2 BY 4 IN. (51 BY 102 MM) LUMBER SPACED 16 IN. (406 MM) OC WITH NOM 2 BY 4 IN. (51 BY 102 MM) LUMBER END PLATES AND CROSS BRACES. STEEL STUDS TO BE MIN 3-5/8 IN. (92 MM) WIDE BY 1-3/8 IN. (35 MM) DEEP CHANNELS SPACED MAX 24 IN. (610 MM) OC.

B. GYPSUM BOARD* — NOM 1/2 OR 5/8 IN. (13 OR 16 MM) THICK, 4 FT. (122 CM) WIDE WITH SQUARE OR TAPERED EDGES. THE GYPSUM WALLBOARD TYPE, THICKNESS, NUMBER OF LAYERS, FASTENER TYPE AND SHEET ORIENTATION SHALL BE AS SPECIFIED IN THE INDIVIDUAL U300 OR U400 SERIES DESIGN IN THE UL FIRE RESISTANCE DIRECTORY. MAX DIAM OF OPENING IS 26 IN. (660 MM).

2. THROUGH-PENETRANT — ONE METALLIC PIPE, CONDUIT OR TUBING INSTALLED EITHER CONCENTRICALLY OR ECCENTRICALLY WITHIN THE FIRESTOP SYSTEM. THE ANNULAR SPACE BETWEEN PIPE, CONDUIT OR TUBING AND PERIPHERY OF OPENING SHALL BE MIN OF 0 IN / (0 MM). (POINT CONTACT) TO MAX 2 IN. (51 MM) PIPE, CONDUIT OR TUBING TO BE RIGIDLY SUPPORTED ON BOTH SIDES OF WALL ASSEMBLY. THE FOLLOWING TYPES AND SIZES OF METALLIC PIPES, CONDUITS OR TUBING MAY BE USED:
A. STEEL PIPE — NOM 24 IN. (610 MM) DIAM (OR SMALLER) SCHEDULE 10 (OR HEAVIER) STEEL PIPE.
B. IRON PIPE — NOM 24 IN. (610 MM) DIAM (OR SMALLER) SERVICE WEIGHT (OR HEAVIER) CAST IRON SOIL PIPE, NOM 12 IN (305 MM) DIAM (OR SMALLER) OR CLASS 50 (OR HEAVIER) DUCTILE IRON PRESSURE PIPE.
C. CONDUIT — NOM 6 IN. (152 MM) DIAM (OR SMALLER) STEEL CONDUIT OR NOM 4 IN (102 MM) DIAM (OR SMALLER) STEEL ELECTRICAL METALLIC TUBING
D. COPPER TUBING — NOM 6 IN. (152 MM) DIAM (OR SMALLER) TYPE L (OR HEAVIER) COPPER TUBING
E. COPPER PIPE — NOM 6 IN. (152 MM) DIAM (OR SMALLER) REGULAR (OR HEAVIER) COPPER PIPE.
F. THROUGH PENETRATING PRODUCT* — FLEXIBLE METAL PIPING THE FOLLOWING TYPES OF STEEL FLEXIBLE METAL GAS PIPING MAY BE USED:

1. NOM 2 IN. (51 MM) DIAM (OR SMALLER) STEEL FLEXIBLE METAL GAS PIPING. PLASTIC COVERING ON PIPING MAY OR MAY NOT BE REMOVED ON BOTH SIDES OF FLOOR OR WALL ASSEMBLY.
OMEGA FLEX INC.
2. NOM 1 IN. (25 MM) DIAM (OR SMALLER) STEEL FLEXIBLE METAL GAS PIPING. PLASTIC COVERING ON PIPING MAY OR MAY NOT BE REMOVED ON BOTH SIDES OF FLOOR OR WALL ASSEMBLY.
GASTITE, DIV OF TITEFLEX
3. NOM 1 IN. (25 MM) DIAM (OR SMALLER) STEEL FLEXIBLE METAL GAS PIPING. PLASTIC COVERING ON PIPING MAY OR MAY NOT BE REMOVED ON BOTH SIDES OF FLOOR OR WALL ASSEMBLY.
WARD MFG L L C

3. FILL, VOID OR CAVITY MATERIAL* — CAULK OR SEALANT — MIN 5/8, , 1-1/4,1-7/8 AND 2-1/2 IN. (16, 32, 48 AND 64 MM) THICKNESS OF CAULK FOR 1, 2, 3 AND 4 HR RATED ASSEMBLIES, RESPECTIVELY, APPLIED WITHIN ANNULUS, FLUSH WITH BOTH SURFACES OF WALL. MIN 1/4 IN. (6 MM) DIAM BEAD OF CAULK APPLIED TO GYPSUM BOARD/PENETRANT INTERFACE AT POINT CONTACT LOCATION ON BOTH SIDES OF WALL. THE HOURLY F RATING OF THE FIRESTOP SYSTEM IS DEPENDENT UPON THE HOURLY FIRE RATING OF THE WALL ASSEMBLY IN WHICH IT IS INSTALLED, AS SHOWN IN THE FOLLOWING TABLE. THE HOURLY T RATING OF THE FIRESTOP SYSTEM IS DEPENDENT UPON THE TYPE OR SIZE OF THE PIPE OR CONDUIT AND THE HOURLY FIRE RATING OF THE WALL ASSEMBLY IN WHICH IT IS INSTALLED, AS TABULATED BELOW:

ANSI/UL1479 (ASTM E814)	ANSI/UL1479 (ASTM E814)	ANSI/UL1479 (ASTM E814)
1 (25)	1 or 2	0+, 1 or 2
1 (25)	3 or 4	3 or 4
4 (102)	1 or 2	0
6 (152)	3 or 4	0
12 (305)	1 or 2	0

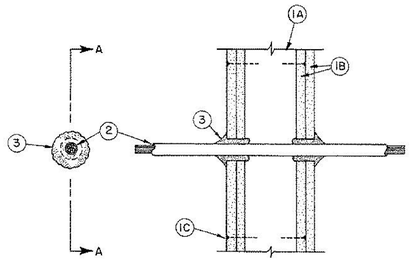
+When copper pipe is used, T Rating is 0 h.

3M COMPANY — CP 25WB+ or FB-3000 WT.

* Indicates such products shall bear the UL or cUL Certification Mark for jurisdictions employing the UL or cUL Certification (such as Canada), respectively.

System No. W-L-3001

THROUGH-PENETRATION FIRESTOP SYSTEM
September 07, 2004
F Ratings — 1 and 2 Hr (See Item 1)
T Ratings — 3/4, 1, 1-1/2 and 2 Hr (See Item 2)
L Rating At Ambient — 15 CFM/sq ft (See Item 3)
L Rating At 400 F — less than 1 CFM/sq ft (See Item 3)



SECTION A–A

1. WALL ASSEMBLY — THE 1 OR 2 HR FIRE-RATED GYPSUM WALLBOARD/STUD WALL ASSEMBLY SHALL BE CONSTRUCTED OF THE MATERIALS AND IN THE MANNER DESCRIBED IN THE INDIVIDUAL U300 OR U400 SERIES WALL OR PARTITION DESIGNS IN THE UL FIRE RESISTANCE DIRECTORY AND SHALL INCLUDE THE FOLLOWING CONSTRUCTION FEATURES:

A. STUDS — WALL FRAMING MAY CONSIST OF EITHER WOOD STUDS OR STEEL CHANNEL STUDS. WOOD STUDS TO CONSIST OF NOM 2 BY 4 IN. LUMBER SPACED 16 IN. OC WITH NOM 2 BY 4 IN. LUMBER END PLATES AND CROSS BRACES. STEEL STUDS TO BE MIN 3-5/8 IN. WIDE BY 1-3/8 IN. DEEP CHANNELS SPACED MAX 24 IN OC.

B. GYPSUM BOARD* — NOM 1/2 OR 5/8 IN. THICK, 4 FT WIDE WITH SQUARE OR TAPERED EDGES. THE GYPSUM WALLBOARD TYPE, THICKNESS, NUMBER OF LAYERS AND SHEET ORIENTATION SHALL BE AS SPECIFIED IN THE INDIVIDUAL WALL OR PARTITION DESIGN. DIAM OF CIRCULAR THROUGH OPENING TO BE 3/8 IN. TO 5/8 IN. LARGER THAN OUTSIDE DIAM OF CABLE OR CABLE BUNDLE.

C. FASTENERS — WHEN WOOD STUD FRAMING IS EMPLOYED GYPSUM WALLBOARD LAYERS ATTACHED TO STUDS WITH CEMENT COATED NAILS AS SPECIFIED IN THE INDIVIDUAL WALL OR PARTITION DESIGN. WHEN STEEL CHANNEL STUD FRAMING IS EMPLOYED, GYPSUM WALLBOARD ATTACHED TO STUDS WITH TYPE S SELF-DRILLING, SELF-TAPPING BUGLE-HEAD STEEL SCREWS AS SPECIFIED IN THE INDIVIDUAL WALL OR PARTITION DESIGN.
THE HOURLY F RATING OF THE FIRESTOP SYSTEM IS EQUAL TO THE HOURLY FIRE RATING OF THE WALL ASSEMBLY IN WHICH IT IS INSTALLED.

2. CABLES — INDIVIDUAL CABLE OR MAX 1 IN. DIAM CABLE BUNDLE INSTALLED IN THROUGH OPENING WITH AN ANNULAR SPACE OF MIN 0 IN. (POINT CONTACT) TO MAX 3/4 IN. CABLE TO BE RIGIDLY SUPPORTED ON BOTH SIDES OF WALL ASSEMBLY. THE FOLLOWING TYPES AND SIZES OF CABLES MAY BE USED:

A. MAX 150 PAIR NO. 24 AWG COPPER CONDUCTOR TELEPHONE CABLE WITH POLYVINYL CHLORIDE (PVC) INSULATION AND JACKET MATERIALS. WHEN MAX 25 PAIR TELEPHONE CABLE IS USED, T RATING IS 2 HR. WHEN 50 TO 150 PAIR TELEPHONE CABLE IS USED IN 1 HR FIRE RATED WALL, T RATING IS 3/4 HR. WHEN 50 TO 150 PAIR TELEPHONE CABLE IS USED IN 2 HR FIRE RATED WALL, T RATING IS 1 HR.

B. MAX NO. 10 AWG MULTIPLE COPPER CONDUCTOR TYPE NM ("ROMEX") NONMETALLIC SHEATHED CABLE WITH PVC INSULATION AND JACKET MATERIALS. WHEN TYPE NM CABLE IS USED, MAX T RATING IS 1-1/2 HR.

C. MULTIPLE FIBER OPTICAL COMMUNICATION CABLE JACKETED WITH PVC AND HAVING A MAX OUTSIDE DIAM OF 5/8 IN. WHEN FIBER OPTIC CABLE IS USED, MAX T RATING IS 2 HR.

D. MAX 12 AWG MULTICONDUCTOR (MAX SEVEN CONDUCTORS) POWER/CONTROL CABLE WITH CROSS-LINKED POLYETHYLENE (XLPE) INSULATION AND XLPE OR PVC JACKET MATERIALS. WHEN MULTICONDUCTOR POWER/CONTROL CABLE IS USED, MAX T RATING IS 2 HR.

E. MAX FOUR CONDUCTOR WITH GROUND NO. 2 AWG (OR SMALLER) ALUMINUM SER CABLES WITH POLYVINYL CHLORIDE INSULATION AMD JACKET MATERIALS.

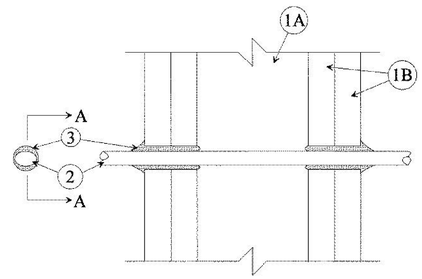
3. FILL, VOID OR CAVITY MATERIALS* — CAULK, SEALANT OR PUTTY — CAULK OR PUTTY FILL MATERIAL INSTALLED TO COMPLETELY FILL ANNULAR SPACE BETWEEN CABLE AND GYPSUM WALLBOARD ON BOTH SIDES OF WALL AND WITH A MIN 1/4 IN. DIAM BEAD OF CAULK OR PUTTY APPLIED TO PERIMETER OF CABLE(S) AT ITS EGRESS FROM EACH SIDE OF THE WALL.

3M COMPANY — MP+ PUTTY, CP 25WB+ CAULK OR FB-3000 WT SEALANT. (NOTE: L RATINGS APPLY ONLY WHEN TYPE CP 25WB+ CAULK OR FB-3000 WT SEALANT IS USED.)

* INDICATES SUCH PRODUCTS SHALL BEAR THE UL OR CUL CERTIFICATION MARK FOR JURISDICTIONS EMPLOYING THE UL OR CUL CERTIFICATION (SUCH AS CANADA), RESPECTIVELY.

System No. W-L-3060

THROUGH-PENETRATION FIRESTOP SYSTEM
January 08, 2010
F Ratings — 1 and 2 Hr (See Item 1)
T Ratings — 1 and 1-1/2 Hr (See Item 1)



SECTION A-A

1. WALL ASSEMBLY — THE 1 OR 2 HR FIRE-RATED GYPSUM BOARD/STUD WALL ASSEMBLY SHALL BE CONSTRUCTED OF THE MATERIALS AND IN THE MANNER SPECIFIED IN THE INDIVIDUAL U300 OR U400 SERIES WALL AND PARTITION DESIGNS IN THE UL FIRE RESISTANCE DIRECTORY AND SHALL INCLUDE THE FOLLOWING CONSTRUCTION FEATURES:

A. STUDS — WALL FRAMING MAY CONSIST OF EITHER WOOD STUDS OR STEEL CHANNEL STUDS. WOOD STUDS TO CONSIST OF NOM 2 BY 4 IN. LUMBER SPACED 16 IN. OC. STEEL STUDS TO BE MIN 2-1/2 IN. WIDE AND SPACED MAX 24 IN. OC.

B. GYPSUM BOARD* — 5/8 IN. THICK, 4 FT WIDE WITH SQUARE OR TAPERED EDGES. THE GYPSUM BOARD TYPE, THICKNESS, NUMBER OF LAYERS, FASTENER TYPE AND SHEET ORIENTATION SHALL BE AS SPECIFIED IN THE INDIVIDUAL U300 OR U400 SERIES DESIGN IN THE UL FIRE RESISTANCE DIRECTORY. MAX DIAM OF OPENING IS 1/2 IN.
THE HOURLY F AND T RATINGS OF THE FIRESTOP SYSTEM ARE DEPENDENT UPON THE HOURLY FIRE RATING OF THE WALL ASSEMBLY IN WHICH IT IS INSTALLED AS SHOWN IN THE TABLE:

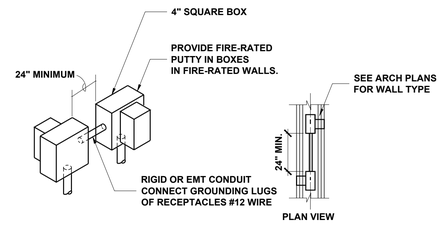
Rating of Wall Hr	F Rating Hr	T Rating Hr
2	2	1-1/2
1	1	1

2. CABLES — MAX 2/C (WITH GROUND) — 12 AWG (OR SMALLER) POLYVINYL CHLORIDE INSULATED AND JACKETED NONMETALLIC SHEATHED CABLE. ONE CABLE TO BE CENTERED WITHIN THE FIRESTOP SYSTEM. A NOM ANNULAR SPACE OF 1/4 IN. IS REQUIRED WITHIN THE FIRESTOP SYSTEM. CABLE TO BE RIGIDLY SUPPORTED ON BOTH SIDES OF WALL ASSEMBLY.

3. FILL, VOID OR CAVITY MATERIAL* — SEALANT — IN 2 HR FIRE-RATED ASSEMBLIES, MIN 1-1/4 IN. THICKNESS OF FILL MATERIAL APPLIED WITHIN ANNULUS, FLUSH WITH BOTH SURFACES OF WALL. ADDITIONAL FILL MATERIAL TO BE INSTALLED SUCH THAT A MIN 1/2 IN. THICK CROWN IS FORMED AROUND THE PENETRATING ITEM. IN 1 HR FIRE-RATED ASSEMBLIES, MIN 5/8 IN. THICKNESS OF FILL MATERIAL APPLIED WITHIN ANNULUS, FLUSH WITH BOTH SURFACES OF WALL. ADDITIONAL FILL MATERIAL TO BE INSTALLED SUCH THAT A MIN 1 IN. THICK CROWN IS FORMED AROUND THE PENETRATING ITEM AND LAPPING A MIN 1/2 IN. BEYOND THE PERIPHERY.

RECTORSEAL — FS 1900 SEALANT

* INDICATES SUCH PRODUCTS SHALL BEAR THE UL OR CUL CERTIFICATION MARK FOR JURISDICTIONS EMPLOYING THE UL OR CUL CERTIFICATION (SUCH AS CANADA), RESPECTIVELY.



BACK TO BACK ELECTRICAL OUTLETS DETAIL
N.T.S.

NOTE:
1. BACK-TO-BACK OUTLET BOXES ON RATED WALLS AND PARTY WALLS SHALL BE SEPARATED BY A MINIMUM 24"
2. ASSURE SOUND ATTENUATION BATTS ARE PROVIDED BETWEEN UNITS

PERMIT SET
07-11-2024

AA C000606
HARTER - ADAMS P.A.
ARCHITECTS AND PLANNERS
377 MAITLAND AVE, SUITE 2010, ALTAMONTE SPRINGS, FL 32701
PHONE 407 647-5767 FAX 407 647-2062

TRU HOTEL BY HILTON
RAJ PATEL
STUART, FLORIDA

Jacquin & Sons Construction jjsi.com 80th ANNIVERSARY
Construction Manager

JOB NO.
22039

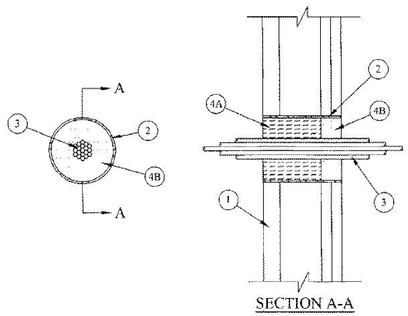
DATE
07-11-2024

SHEET
LS1.12

System No. W-L-3161

THROUGH-PENETRATION FIRESTOP SYSTEM
January 27, 2015

ANSI/UL1479 (ASTM E814)	CAN/ULC S115
F Rating — 1 and 2 Hr (See Items 1 and 4)	F Rating — 1 and 2 Hr (See Items 1 and 4)
T Rating — 0 Hr	FT Rating — 0 Hr
	FH Rating — 1 and 2 Hr (See Items 1 and 4)
	FTH Rating — 0 Hr



SECTION A-A

1. WALL ASSEMBLY — THE 1 OR 2 HR FIRE-RATED GYPSUM BOARD/STUD WALL ASSEMBLY SHALL BE CONSTRUCTED OF THE MATERIALS AND IN THE MANNER DESCRIBED IN THE INDIVIDUAL U400, V400 OR W400 SERIES WALL OR PARTITION DESIGN IN THE UL FIRE RESISTANCE DIRECTORY AND SHALL INCLUDE THE FOLLOWING CONSTRUCTION FEATURES:

A. STUDS — "C-T" SHAPED STUDS 1-5/8 IN. (41 MM) WIDE BY 2-1/2 IN. (64 MM) DEEP, FABRICATED FROM 25 MSG GALV STEEL, SPACED MAX 24 IN. (610 MM) OC.
B. GYPSUM BOARD* — ONE LAYER OF NOM 1 IN. (25 MM) THICK, 24 IN. (610 MM) WIDE GYPSUM LINER AND ONE OR TWO LAYERS OF NOM 5/8 IN. (16 MM) THICK, 4 FT. (1.2 M) WIDE GYPSUM BOARD WITH SQUARE OR TAPERED EDGES. THE 5/8 IN. (16 MM) THICK GYPSUM BOARD TYPE, NUMBER OF LAYERS, FASTENER TYPE AND SHEET ORIENTATION SHALL BE AS SPECIFIED IN THE INDIVIDUAL WALL AND PARTITION DESIGN. MAX DIAM OF OPENING IS 4 IN. (102 MM)

1A. WALL ASSEMBLY — AS AN ALTERNATE TO THE ABOVE WALL ASSEMBLY, THE 1 OR 2 HR FIRE RATED GYPSUM BOARD/STUD WALL ASSEMBLY SHALL BE CONSTRUCTED OF THE MATERIALS AND IN THE MANNER SPECIFIED IN THE INDIVIDUAL U300, U400, V400 OR W400 SERIES WALL AND PARTITION DESIGNS IN THE UL FIRE RESISTANCE DIRECTORY AND SHALL INCLUDE THE FOLLOWING CONSTRUCTION FEATURES:
A. STUDS — WALL FRAMING MAY CONSIST OF EITHER WOOD STUDS OR STEEL CHANNEL STUDS. STEEL STUDS TO BE MIN 2-1/2 IN. (64 MM) WIDE AND SPACED MAX 24 IN. (610 MM) OC. WOOD STUDS TO CONSIST OF NOM 2 BY 4 IN. (51 BY 102 MM) LUMBER SPACED 16 IN. (406 MM) OC.
B. GYPSUM BOARD* — THICKNESS, TYPE, NUMBER OF LAYERS AND FASTENERS AS REQUIRED IN THE INDIVIDUAL WALL AND PARTITION DESIGN. MAX DIAM OF OPENING IS 4 IN. (102 MM).
THE HOURLY F, FH RATING OF THE FIRESTOP SYSTEM IS EQUAL TO THE HOURLY FIRE RATING OF THE WALL ASSEMBLY IN WHICH IT IS INSTALLED.

2. METALLIC SLEEVE — MAX 4 IN. (102 MM) DIAM CYLINDRICAL SLEEVE FABRICATED FROM MIN 0.016 IN. (0.41 MM) THICK (28 GAUGE) GALV SHEET STEEL AND HAVING A MIN 1 IN. (25 MM) LAP ALONG THE LONGITUDINAL SEAM. LENGTH OF STEEL SLEEVE TO BE EQUAL TO THICKNESS OF WALL. SLEEVE INSTALLED BY COILING THE SHEET STEEL TO A DIAM SMALLER THAN THE THROUGH OPENING, INSERTING THE COIL THROUGH THE OPENING AND RELEASING THE COIL TO LET IT UNCOIL AGAINST THE CIRCULAR CUTOUTS IN THE GYPSUM BOARD LAYERS. SLEEVE MAY ALSO BE FORMED OF NO. 8 STEEL WIRE MESH HAVING A MIN 1 IN. (25 MM) LAP ALONG THE LONGITUDINAL SEAM.

3. CABLES — AGGREGATE CROSS-SECTIONAL AREA OF CABLE IN OPENING TO BE MAX 33 PERCENT OF THE CROSS-SECTIONAL AREA OF THE OPENING. THE ANNULAR SPACE BETWEEN THE CABLE BUNDLE AND THE PERIPHERY OF THE OPENING TO BE MIN 1/4 IN. (6.4 MM) TO MAX 3/4 IN. (19 MM). CABLES TO BE RIGIDLY SUPPORTED ON BOTH SIDES OF THE WALL ASSEMBLY. ANY COMBINATION OF THE FOLLOWING TYPES AND SIZES OF COPPER CONDUCTOR CABLES MAY BE USED:
A. MAX 7/C NO. 12 AWG WITH POLYVINYL CHLORIDE (PVC) INSULATION AND JACKET.
B. MAX 25 PAIR NO. 24 AWG TELEPHONE CABLE WITH PVC INSULATION AND JACKET.
C. TYPE RG 59/U COAXIAL CABLE WITH POLYETHYLENE (PE) INSULATION AND PVC JACKET.
D. MULTIPLE FIBER OPTICAL COMMUNICATION CABLE JACKETED WITH PVC AND HAVING A MAX OD OF 5/8 IN. (16 MM).
E. MAX 3/C NO. 12 AWG COPPER CONDUCTOR STEEL CLAD CABLE.
G. FIRE RESISTIVE CABLES* - MAX 1-1/4 IN. (32 MM) DIAM SINGLE CONDUCTOR OR MULTI CONDUCTOR TYPE MI CABLE. A MIN 1/8 IN. (3 MM) SEPARATION SHALL BE MAINTAINED BETWEEN MI CABLES AND ANY OTHER TYPES OF CABLE.

4. FIRESTOP SYSTEM — THE FIRESTOP SYSTEM SHALL CONSIST OF THE FOLLOWING:

A. PACKING MATERIAL — MIN 2-1/8 IN. (54 MM) OR 2-3/4 IN. (70 MM) THICKNESS OF MIN 4 PCF (64KG/M3) MINERAL WOOL BATT INSULATION FIRMLY PACKED INTO OPENING ON ONE SIDE OF THE WALL AS PERMANENT FORM FOR 1 AND 2 HR FIRE RATED WALLS, RESPECTIVELY. PACKING MATERIAL TO BE RECESSED FROM THE ROOM SIDE OF WALL AS REQUIRED TO ACCOMMODATE THE REQUIRED THICKNESS OF FILL MATERIAL. IN ALTERNATE WALL ASSEMBLY, PACKING MATERIAL TO BE FLUSH WITH EITHER SIDE OF THE WALL AND RECESSED FROM THE OTHER SIDE OF THE WALL TO ACCOMMODATE THE REQUIRED THICKNESS OF FILL MATERIAL.

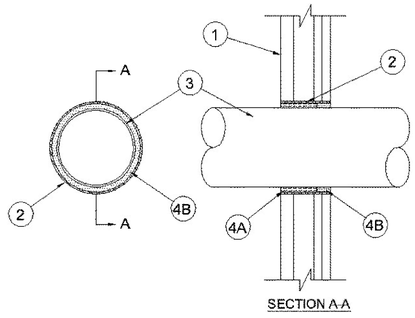
B. FILL, VOID OR CAVITY MATERIAL — SEALANT* — MIN 1 IN. (25 MM) THICKNESS OF FILL MATERIAL APPLIED WITHIN SLEEVE, FLUSH WITH SURFACE OF WALL.
A. HILTI CONSTRUCTION CHEMICALS, DIV OF HILTI INC — FS-ONE SEALANT OR FS-ONE MAX INTUMESCENT SEALANT

* INDICATES SUCH PRODUCTS SHALL BEAR THE UL OR CUL CERTIFICATION MARK FOR JURISDICTIONS EMPLOYING THE UL OR CUL CERTIFICATION (SUCH AS CANADA), RESPECTIVELY.

System No. W-L-7068

THROUGH-PENETRATION FIRESTOP SYSTEM
January 27, 2015

ANSI/UL1479 (ASTM E814)	CAN/ULC S115
F Ratings - 1 and 2 Hr (See Items 1 and 4)	F Ratings - 1 and 2 Hr (See Items 1 and 4)
T Rating - 0 Hr	FT Rating - 0 Hr
	FH Ratings - 1 and 2 Hr (See Items 1 and 4)
	FTH Rating - 0 Hr



SECTION A-A

1. WALL ASSEMBLY — THE 1 OR 2 HR FIRE-RATED GYPSUM BOARD/STUD WALL ASSEMBLY SHALL BE CONSTRUCTED OF THE MATERIALS AND IN THE MANNER DESCRIBED IN THE INDIVIDUAL U400, V400 OR W400 SERIES WALL AND PARTITION DESIGN IN THE UL FIRE RESISTANCE DIRECTORY AND SHALL INCLUDE THE FOLLOWING CONSTRUCTION FEATURES:

A. STUDS — "C-T" SHAPED STUDS -1-5/8 IN. (41 MM) WIDE BY 2-1/2 IN. (64 MM) DEEP, FABRICATED FROM 25 MSG GALV STEEL, SPACED MAX 24 IN. (610 MM) OC.

B. GYPSUM BOARD* — ONE LAYER OF NOM 1 IN. (25 MM) THICK, 24 IN. (610 MM) WIDE GYPSUM LINER AND ONE OR TWO LAYERS OF NOM 5/8 IN.(16 MM) THICK, 4 FT. (1.22 M) WIDE GYPSUM BOARD WITH SQUARE OR TAPERED EDGES. THE GYPSUM BOARD TYPE, NUMBER OF LAYERS, FASTENER TYPE AND SHEET ORIENTATION SHALL BE AS SPECIFIED IN THE INDIVIDUAL WALL AND PARTITION DESIGN. MAX DIAM OF OPENING IS 7 IN. (178 MM).

1A. WALL ASSEMBLY — AS AN ALTERNATE TO THE ABOVE WALL ASSEMBLY, THE 1 OR 2 HR FIRE RATED GYPSUM BOARD/STUD WALL ASSEMBLY SHALL BE CONSTRUCTED OF THE MATERIALS AND IN THE MANNER SPECIFIED IN THE INDIVIDUAL U300, U400 OR V400 SERIES WALL AND PARTITION DESIGNS IN THE UL FIRE RESISTANCE DIRECTORY AND SHALL INCLUDE THE FOLLOWING CONSTRUCTION FEATURES:

A. STUDS — WALL FRAMING MAY CONSIST OF EITHER WOOD STUDS OR STEEL CHANNEL STUDS. STEEL STUDS TO BE MIN 2-1/2 IN. (64 MM) WIDE AND SPACED MAX 24 IN. (610 MM) OC. WOOD STUDS TO CONSIST OF NOM 2 BY 4 IN. (61 BY 102 MM) LUMBER SPACED 16 IN. (406 MM) OC.

B. GYPSUM BOARD* — THICKNESS, TYPE, NUMBER OF LAYERS AND FASTENERS AS REQUIRED IN THE INDIVIDUAL WALL AND PARTITION DESIGN. MAX DIAM OF OPENING IS 7 IN. (178 MM).
THE HOURLY F AND FH RATINGS OF THE FIRESTOP SYSTEM ARE EQUAL TO THE HOURLY FIRE RATING OF THE WALL ASSEMBLY IN WHICH IT IS INSTALLED.

2. METALLIC SLEEVE — MAX 7 IN. (178 MM) DIAM CYLINDRICAL SLEEVE FABRICATED FROM MIN 0.016 IN. (0.41 MM) THICK (28 GAUGE) GALV SHEET STEEL AND HAVING A MIN 1 IN. (25 MM) LAP ALONG THE LONGITUDINAL SEAM. LENGTH OF STEEL SLEEVE TO BE EQUAL TO THICKNESS OF WALL. SLEEVE INSTALLED BY COILING THE SHEET STEEL TO A DIAM SMALLER THAN THE THROUGH OPENING, INSERTING THE COIL THROUGH THE OPENING AND RELEASING THE COIL TO LET IT UNCOIL AGAINST THE CIRCULAR CUTOUTS IN THE GYPSUM BOARD LAYERS. SLEEVE MAY ALSO BE FORMED OF NO. 8 STEEL WIRE MESH HAVING A MIN 1 IN.(25 MM) LAP ALONG THE LONGITUDINAL SEAM.

3. STEEL DUCT — NOM 6 IN. DIAM (152 MM) (OR SMALLER) NO. 28 GAUGE (0.41 MM) (OR HEAVIER) GALV STEEL DUCT TO BE INSTALLED EITHER CONCENTRICALLY OR ECCENTRICALLY WITHIN THE FIRESTOP SYSTEM. THE ANNULAR SPACE SHALL BE MIN 1/4 IN. (6 MM) TO MAX 3/4 IN. (19 MM). DUCT TO BE RIGIDLY SUPPORTED ON BOTH SIDES OF THE WALL ASSEMBLY.

4. FIRESTOP SYSTEM — THE FIRESTOP SYSTEM SHALL CONSIST OF THE FOLLOWING:

A. PACKING MATERIAL — MIN 2-1/8 OR 2-3/4 IN. (54 OR 70 MM) THICKNESS OF MIN 4 PCF (64 KG/M3)MINERAL WOOL BATT INSULATION FIRMLY PACKED INTO SLEEVE ON ONE SIDE OF THE WALL AS A PERMANENT FORM FOR 1 AND 2 HR WALLS, RESPECTIVELY. PACKING MATERIAL TO BE RECESSED FROM THE ROOM SIDE OF WALL AS REQUIRED TO ACCOMMODATE THE REQUIRED THICKNESS OF FILL MATERIAL. IN ALTERNATE WALL ASSEMBLY, PACKING MATERIAL TO BE FLUSH WITH EITHER SIDE OF THE WALL AND RECESSED FROM THE OTHER SIDE OF THE WALL TO ACCOMMODATE THE REQUIRED THICKNESS OF FILL MATERIAL.

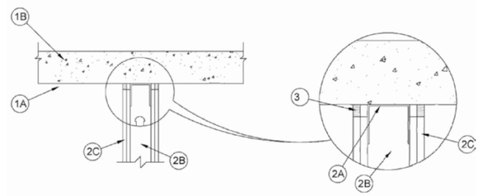
B. FILL, VOID OR CAVITY MATERIAL — SEALANT* — MIN 1 IN.(25 MM) THICKNESS OF FILL MATERIAL APPLIED WITHIN OPENING, FLUSH WITH ONE SURFACE OF WALL.

HILTI CONSTRUCTION CHEMICALS, DIV OF HILTI INC — FS-ONE SEALANT OR FS-ONE MAX INTUMESCENT SEALANT

* INDICATES SUCH PRODUCTS SHALL BEAR THE UL OR CUL CERTIFICATION MARK FOR JURISDICTIONS EMPLOYING THE UL OR CUL CERTIFICATION (SUCH AS CANADA), RESPECTIVELY.

System No. HW-D-0083

JOINT SYSTEM
June 22, 2023
Assembly Rating — 1 and 2 Hr (See Items 2 and 3)
Nominal Joint Width — 3/4 In.
L Rating At Ambient — Less Than 1 CFM/Lin Ft
L Rating At 400°F — Less Than 1 CFM/Lin Ft
Class II Movement Capabilities — 17 % Compression or Extension



1. FLOOR ASSEMBLY — MIN 4-1/2 IN. (114 MM) THICK REINFORCED LIGHTWEIGHT OR NORMAL WEIGHT (100-150 PCF OR 1600-2400 KG/M3) STRUCTURAL CONCRETE. FLOOR MAY ALSO BE CONSTRUCTED OF ANY 6 IN. (152 MM) THICK UL CLASSIFIED HOLLOW-CORE PRECAST CONCRETE UNITS*.
SEE PRECAST CONCRETE UNITS CATEGORY IN THE FIRE RESISTANCE DIRECTORY FOR NAMES OF MANUFACTURES.

2. WALL ASSEMBLY — THE 1 OR 2 H FIRE-RATED GYPSUM BOARD /STEEL STUD WALL ASSEMBLY SHALL BE CONSTRUCTED OF THE MATERIALS AND IN THE MANNER SPECIFIED IN THE INDIVIDUAL U400 OR V400 SERIES WALL AND PARTITION DESIGN IN THE UL FIRE RESISTANCE DIRECTORY AND SHALL INCLUDE THE FOLLOWING CONSTRUCTION FEATURES:

A. STEEL FLOOR AND CEILING RUNNERS — FLOOR AND CEILING RUNNERS OF WALL ASSEMBLY SHALL CONSIST OF MIN NO. 25 GAUGE GALV STEEL CHANNELS SIZED TO ACCOMMODATE STEEL STUDS (ITEM 2B). FLANGE HEIGHT OF CEILING RUNNER SHALL BE MIN 1/4 IN. (6 MM) GREATER THAN MAX EXTENDED JOINT WIDTH. CEILING RUNNER SECURED TO CONCRETE FLOOR SLAB WITH STEEL MASONRY ANCHORS, STEEL FASTENERS SPACED 24 IN. (610 MM) OC.

A1. LIGHT GAUGE FRAMING*-SLOTTED CEILING RUNNER — AS AN ALTERNATE TO THE CEILING RUNNER IN ITEM 2A, SLOTTED CEILING RUNNER TO CONSIST OF GALV STEEL CHANNEL WITH SLOTTED FLANGES SIZED TO ACCOMMODATE STEEL STUDS (ITEM 2B). SLOTTED CEILING RUNNER SECURED TO CONCRETE FLOOR SLAB WITH STEEL MASONRY ANCHORS OR STEEL FASTENERS SPACED MAX 24 IN. (610 MM) OC.

BRADY CONSTRUCTION INNOVATIONS INC, DBA SLIPTRACK SYSTEMS — SLP-TRK
CEMCO, LLC — CST
CLARKDIETRICH BUILDING SYSTEMS — TYPE SLT, SLT-H
MARINO/WARE, DIV OF WARE INDUSTRIES INC — TYPE SLT
METAL-LITE INC — THE SYSTEM
RAM SALES L L C — RAM SLOTTED TRACK
SCAFCO STEEL STUD MANUFACTURING CO
TELLING INDUSTRIES L L C — TRUE-ACTION DEFLECTION TRACK

A2. LIGHT GAUGE FRAMING*-VERTICAL DEFLECTION CEILING RUNNER — AS AN ALTERNATE TO THE CEILING RUNNERS IN ITEMS 2A AND 2A1, VERTICAL DEFLECTION CEILING RUNNER TO CONSIST OF GALV STEEL CHANNEL WITH SLOTTED VERTICAL DEFLECTION CLIPS MECHANICALLY FASTENED WITHIN RUNNER. SLOTTED CLIPS, PROVIDED WITH STEP BUSHINGS, FOR PERMANENT FASTENING OF STEEL STUDS. FLANGES SIZED TO ACCOMMODATE STEEL STUDS (ITEM 2B). VERTICAL DEFLECTION CEILING RUNNER SECURED TO CONCRETE FLOOR SLAB WITH STEEL FASTENERS OR STEEL MASONRY ANCHORS SPACED MAX 24 IN. (610 MM) OC.
THE STEEL NETWORK INC — VERTITRACK VTD250, VTD362, VTD400, VTD600 AND VTD800

A3. LIGHT GAUGE FRAMING* - NOTCHED CEILING RUNNER — AS AN ALTERNATE TO THE CEILING RUNNERS IN ITEMS 2A THROUGH 2A3, NOTCHED CEILING RUNNERS TO CONSIST OF C-SHAPED GALV STEEL CHANNEL WITH NOTCHED RETURN FLANGES SIZED TO ACCOMMODATE STEEL STUDS (ITEM 2B). NOTCHED CEILING RUNNER SECURED TO CONCRETE FLOOR SLAB WITH STEEL MASONRY ANCHORS OR STEEL FASTENERS SPACED MAX 24 IN. (610 MM) OC.
OLMAR SUPPLY INC — TYPE SCR

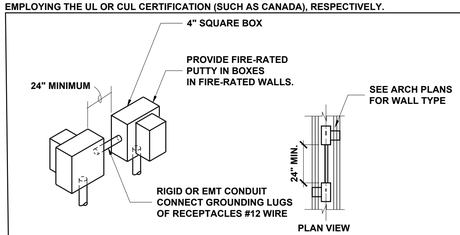
B. STUDS — STEEL STUDS TO BE MIN 2-1/2 IN. (64 MM) WIDE. STUDS CUT 1/2 TO 3/4 IN. (13 TO 19 MM) LESS IN LENGTH THAN ASSEMBLY HEIGHT WITH BOTTOM NESTING IN AND RESTING ON FLOOR RUNNER AND WITH TOP NESTING IN CEILING RUNNER WITHOUT ATTACHMENT. WHEN SLOTTED CEILING RUNNER (ITEM 2A1) IS USED, STEEL STUDS SECURED TO SLOTTED CEILING RUNNER WITH NO. 8 BY 1/2 IN. (13 MM) LONG WAFER HEAD STEEL SCREWS AT MIDHEIGHT OF SLOT ON EACH SIDE OF WALL. STUD SPACING NOT TO EXCEED 24 IN. (610 MM) OC. WHEN VERTICAL DEFLECTION CEILING RUNNER (ITEM 2A2) IS USED, STEEL STUDS SECURED TO SLOTTED VERTICAL DEFLECTION CLIPS, THROUGH THE BUSHINGS, WITH STEEL SCREWS AT MIDHEIGHT OF EACH SLOT. STUD SPACING NOT TO EXCEED 24 IN. (610 MM) OC.

C. GYPSUM BOARD* — FOR 1 HR ASSEMBLY, ONE LAYER OF 5/8 IN. (16 MM) THICK GYPSUM BOARD IS REQUIRED IN THE INDIVIDUAL WALL AND PARTITION DESIGN. FOR 2 HR ASSEMBLY, TWO LAYERS OF 5/8 IN. (16 MM) THICK GYPSUM BOARD IS REQUIRED IN THE INDIVIDUAL WALL AND PARTITION DESIGN. FOR BOTH HOURLY RATINGS, A NOMINAL 3/4 IN. (19 MM) GAP SHALL BE MAINTAINED BETWEEN THE TOP OF GYPSUM BOARD AND THE BOTTOM OF SURFACE OF THE CONCRETE FLOOR. THE SCREWS ATTACHING THE GYPSUM BOARD TO STUDS AT THE TOP OF THE WALL SHALL BE LOCATED 1 IN. (25 MM) BELOW THE BOTTOM EDGE OF THE CEILING RUNNER. THE HOURLY FIRE RATING OF THE JOINT SYSTEM IS DEPENDENT ON THE HOURLY RATING OF THE WALL.

3. FILL, VOID OR CAVITY MATERIAL* - SEALANT — MAX SEPARATION BETWEEN THE BOTTOM OF FLOOR AND TOP OF WALL IS 3/4 IN. (19 MM). THE JOINT SYSTEM IS DESIGNED TO ACCOMMODATE A MAX 17 PERCENT COMPRESSION OR EXTENSION FROM ITS INSTALLED WIDTH. MIN 5/8 IN. (16 MM) OR 1-1/4 IN. (32 MM) THICKNESS OF FILL MATERIAL FOR 1 AND 2 HR RATED WALL ASSEMBLIES, RESPECTIVELY , INSTALLED ON EACH SIDE OF THE WALL BETWEEN THE TOP OF THE GYPSUM BOARD AND THE BOTTOM OF THE CONCRETE FLOOR, FLUSH WITH THE SURFACE OF THE WALL.

HILTI CONSTRUCTION CHEMICALS, DIV OF HILTI INC — CP606 FLEXIBLE FIRESTOP SEALANT

* INDICATES SUCH PRODUCTS SHALL BEAR THE UL OR CUL CERTIFICATION MARK FOR JURISDICTIONS EMPLOYING THE UL OR CUL CERTIFICATION (SUCH AS CANADA), RESPECTIVELY.



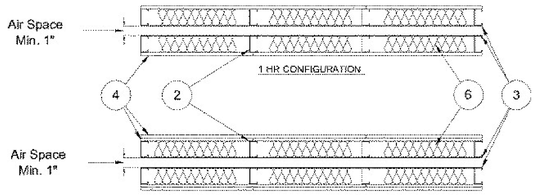
BACK TO BACK ELECTRICAL OUTLETS DETAIL
N.T.S.

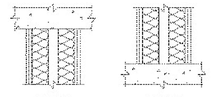
NOTE:
1. BACK-TO-BACK OUTLET BOXES ON RATED WALLS AND PARTY WALLS SHALL BE SEPARATED BY A MINIMUM 24"
2. ASSURE SOUND ATTENUATION BATTS ARE PROVIDED BETWEEN UNITS

Design No. V446

August 18, 2015

BXUV - Fire Resistance Ratings - ANSI/UL 263 Certified for United States





1. Steel Floor and Ceiling Tracks — (Not Shown) - Top and bottom tracks of wall assemblies shall consist of steel members, min 0.034 in. thick galv steel (0.033 in., min bare metal thickness, 350T125-33) steel, that provide a sound structural connection between steel studs, and to adjacent assemblies such as a floor, ceiling, and/or other walls. Attached to floor and ceiling assemblies with steel fasteners spaced not greater than 24 in. O.C.

2. Steel Studs — Corrosion protected steel studs, min 3-1/2 in. wide by min 1-5/8 in. deep with min 1/2 in. stiffeners, min 0.034 in. thick galv steel (0.033 in., min bar metal thickness, 350S162-33), cold formed, shall be designed in accordance with the current edition of the Specification for the Design of Cold-Formed Steel Structural Members by the American Iron and Steel Institute. All design details enhancing the structural integrity of the wall assembly, including the axial design load of the studs, shall be as specified by the steel stud designer and/or producer, and shall meet the requirements of all applicable local code agencies. The max stud spacing of wall assemblies shall not exceed 24 in. OC. Studs attached to floor and ceiling tracks with four min 1/2 in. long No. 8 pan head screws, one through each face. Studs may be offset in adjacent rows.

3. Bracing — A min 1-1/2 in. wide by min 33 mil steel strap, fastened to the interior side of the steel studs at the mid-height with one min 1/2 in. long No. 8 pan head screw at each stud. Solid bracing cut from steel runners or studs placed between outer studs and at each end of the steel strap at mid-height. Solid bracing is screw-attached with one min 1/2 in. long No. 8 pan head screw per flange or two min 1/2 in. long No. 8 pan head screws per web. As an alternate, any bracing method in accordance with the Cold-Formed Steel Framing Design Guide by the American Iron and Steel Institute shall be acceptable.

4. Gypsum Board* — Spacing between adjacent rows of studs is a minimum of 1 in. Min. 5/8 in. thick gypsum wallboard 4 ft wide. Applied vertically with joints centered over studs and staggered 24 in. OC on opposite sides of studs on each exterior side of the assembly. When using ULIX, panels can be applied vertically or horizontally. For ULIX panles, horizontally edge joints and horizontal butt joints in adjacent layers and on opposite sides of the studs need not be staggered. The thickness and number of layers and percent of design load for the 1 hr, and 2 hr ratings are as follows:

Rating	Wallboard Protection Exterior Sides of Wall - No. of Layers & Thkns of Board In. Each Layers	% of Design Load
1 hr	1 layer, 5/8 in. thick	80
2 hr	2 layers, 5/8 in. thick	100

CGC INC — TYPE AR, IP-AR, SCX, ULIX.

THE SIAM GYPSUM INDUSTRY (SONGKHLA) CO — TYPE SCX

UNITED STATES GYPSUM CO — TYPE AR, FRX-G, IP-AR, SCX, ULIX.

USG MEXICO S A DE C V — TYPE AR, IP-AR OR SCX.

5. FASTENERS — (NOT SHOWN) - SCREWS USED TO ATTACH WALLBOARD TO STUDS: SELF-TAPPING BUGLE HEAD SHEET STEEL TYPE, SPACED 12 IN. OC ALONG THE PERIMETER AND IN THE FIELD. FIRST LAYER OF WALLBOARD FASTENED WITH MIN 1-1/4 IN. LONG NO. 6 SCREWS. SECOND LAYER OF WALLBOARD FASTENED WITH MIN 1-5/8 IN. LONG NO. 6 SCREWS. WHEN USING ULIX PANELS IN SINGLE LAYER SYSTEM, PANELS FASTENER WITH 1 IN. LONG TYPE S-12 STEEL SCREWS SPACED 12 IN. OC IN FIELD AND PERIMETER OF THE BOARD.

6. BATTS AND BLANKETS* — PLACED IN STUD CAVITIES, ANY GLASS FIBER INSULATION BEARING THE UL CLASSIFICATION MARKING AS TO SURFACE BURNING CHARACTERISTICS AND/OR FIRE RESISTANCE, HAVING A MIN DENSITY OF 0.5 PCF.
SEE BATTS AND BLANKETS (BKNV AND/OR BZJZ) CATEGORIES FOR NAMES OF CLASSIFIED COMPANIES.

7. JOINT TAPE AND COMPOUND — (NOT SHOWN) - VINYL OR CASEIN, DRY OR PREMIXED JOINT COMPOUND APPLIED IN TWO COATS TO JOINTS AND SCREW HEADS OF OUTER LAYER. PAPER TAPE, 2 IN. WIDE, EMBEDDED IN FIRST LAYER OF COMPOUND OVER ALL JOINTS OF OUTER LAYER.

8. MINERAL AND FIBER BOARD* — (OPTIONAL, NOT SHOWN) — FOR OPTIONAL USE AS AN ADDITIONAL LAYER ON ONE OR BOTH SIDES OF THE WALL. NOM 1/2 IN. THICK, 4 FT WIDE WITH LONG DIMENSION PARALLEL AND CENTERED OVER STUDS. ATTACHED TO STUDS AND FLOOR AND CEILING RUNNERS WITH 1-5/8 IN. LONG TYPE S STEEL SCREWS, SPACED 12 IN. OC. THE REQUIRED UL CLASSIFIED GYPSUM BOARD LAYER(S) IS/ARE TO BE INSTALLED AS INDICATED AS TO FASTENER TYPE AND SPACING, EXCEPT THAT THE REQUIRED FASTENER LENGTH SHALL BE INCREASED BY A MINIMUM OF 1/2 IN. NOT EVALUATED OR INTENDED AS A SUBSTITUTE FOR THE REQUIRED LAYER(S) OF UL CLASSIFIED GYPSUM BOARD.

HOMASOTE CO — HOMASOTE TYPE 440-32

* INDICATES SUCH PRODUCTS SHALL BEAR THE UL OR CUL CERTIFICATION MARK FOR JURISDICTIONS EMPLOYING THE UL OR CUL CERTIFICATION (SUCH AS CANADA), RESPECTIVELY.

LAST UPDATED ON 2021-04-23
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