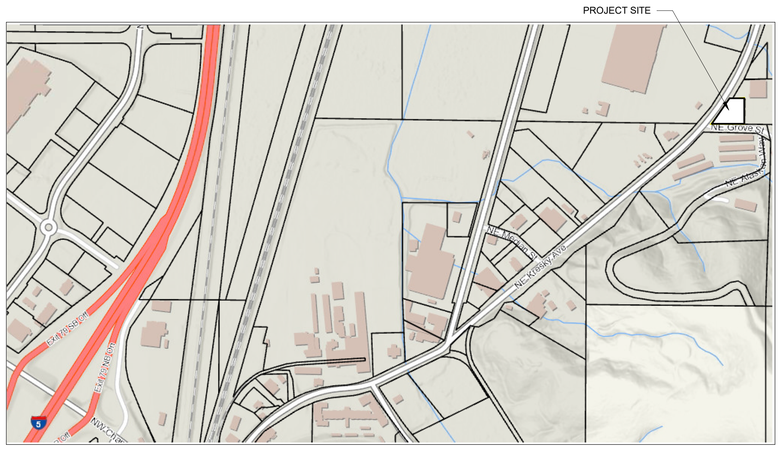
LEWIS COUNTY PERMANENT SHELTER

2015 NE KRESKY AVE, CHEHALIS, WA

BID SET - 10.4.2024

VICINITY MAP



TRUE NORTH

ARCHITECTURAL SYMBOLS

NORTH ARROW	
GRAPHIC SCALE	0 4 8 16 — SCALE: 1/8" = 1'-0"
BUILDING SECTION	A / A-301
WALL SECTION	1 / A-311
EXTERIOR ELEVATION	1 / A-201
ROOM NAME/NUMBER	ROOM NAME 101
CEILING HEIGHT	11'-0"
DATUM POINT	
WINDOW TYPE CALLOUT	W1
STOREFRONT TYPE CALLOUT	SF1
INTERIOR ELEVATION	1 / 4 A-211 2 / 3
DETAIL CALLOUT - SECTION	SIM 1 / A-591
DETAIL CALLOUT - PLAN	SIM 1 / A-591
DOOR NUMBER CALLOUT	101
ELEVATION MARKER	NAME ELEVATION
CENTER LINE	
CUT LINE	
WALL TYPE CALLOUT	6W1
FLOOR/CEILING TYPE CALLOUT	FC1
SHEET NOTE - DEMOLITION	1
SHEET NOTE	1
REVISION	1

PROJECT TEAM

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GENERAL NOTES

1. ALL CONSTRUCTION SHALL COMPLY WITH THE 2018 INTERNATIONAL BUILDING CODE, 2018 INTERNATIONAL EXISTING BUILDING CODE, THE AMERICANS WITH DISABILITIES ACT, AND ALL APPLICABLE LOCAL CODES, ORDINANCES, AND STANDARDS.
2. DO NOT SCALE DRAWINGS. DIMENSIONS GOVERN. THE CONTRACTOR SHALL NOTIFY ARCHITECT IMMEDIATELY OF ANY DISCREPANCIES.
3. WHERE CONSTRUCTION DETAILS ARE NOT SHOWN OR NOTED FOR ANY PART OF THE WORK, THE DETAILS SHALL BE THE SAME AS FOR OTHER SIMILAR WORK. IF QUESTIONS CANNOT BE RESOLVED IN THIS MANNER, CONTACT THE ARCHITECT PRIOR TO PROCEEDING WITH THE WORK.
4. AN APPROVED PUBLIC SAFETY KEY BOX SHALL BE INSTALLED ADJACENT THE MAIN ENTRANCE AND SHALL BE CLEARLY VISIBLE, MOUNTED WITHIN SIX FEET OF THE GRADE, AND APPROVED BY THE LOCAL JURISDICTION. KEYS SHALL BE CLEARLY MARKED AS FOR WHAT DOOR, ROOM, AREA OR LOCK THEY SERVE. THE KEY BOX SHALL CONTAIN KEYS TO OPEN DOORS OR OTHER ACCESS MEANS AT THE FOLLOWING LOCATIONS:
   - THE MAIN ENTRANCE
   - ROOMS CONTAINING CONTROL VALVES FOR AUTOMATIC SPRINKLER SYSTEMS
   - ROOMS CONTAINING FIRE ALARM SYSTEM CONTROL PANELS
   - ROOMS CONTAINING MAIN ELECTRICAL SERVICES PANELS
5. WHERE DEVICES OR ITEMS OR PARTS THEREOF ARE REFERED TO IN SINGULAR IT IS INTENDED THAT SUCH SHALL APPLY TO AS MANY SUCH DEVICES, ITEMS OR PARTS AS ARE REQUIRED TO PROPERLY COMPLETE THE WORK.
6. FIELD MEASURE AND CONFIRM DIMENSIONS FOR OWNER PROVIDED EQUIPMENT AND FURNISHINGS.
7. PROVIDE STIFFENERS, BRACING, BACKING PLATES AND BLOCKING REQUIRED FOR SECURE INSTALLATION OF GRAB BARS, DOORS AND DOOR HARDWARE INCLUDING WALL-MOUNTED DOOR STOPS, HANDRAILS, WALL-MOUNTED SHELVES, MISCELLANEOUS EQUIPMENT, AND SUSPENDED MECHANICAL AND ELECTRICAL EQUIPMENT.
8. COORDINATE AND PROVIDE ALL BASE AND HOUSEKEEPING PADS FOR MECHANICAL, PLUMBING AND ELECTRICAL EQUIPMENT.
9. LOCATE ACCESS DOORS IN ACCORDANCE WITH APPLICABLE CODES, SUBMIT PROPOSED LOCATIONS TO THE ARCHITECT FOR REVIEW AND ACCEPTANCE PRIOR TO INSTALLATION.
10. FINISH FLOOR ELEVATIONS ARE TO TOP OF CONCRETE AND TOPPING SLAB UNLESS OTHERWISE NOTED.
11. COORDINATE EXACT SIZE AND PLACEMENT OF EQUIPMENT BEING PROVIDED.
12. THE CONTRACTOR SHALL PROVIDE TEMPORARY BRACING FOR THE BUILDING STRUCTURE AND STRUCTURAL COMPONENTS UNTIL FINAL CONNECTIONS HAVE BEEN COMPLETED IN ACCORDANCE WITH THE CONSTRUCTION DOCUMENTS.

1. EXISTING DIMENSIONS AND CONDITIONS:
   A. PRIOR TO START OF WORK, FIELD VERIFY EXISTING CONDITIONS AND NOTIFY THE OWNER OF ANY DISCREPANCIES FROM CONDITIONS SHOWN ON THE DRAWINGS.
2. COORDINATION AND PROTECTION OF EXISTING COMPONENTS:
   A. GENERAL COORDINATION: SCHEDULE ANY WORK ON THE EXTERIOR ENVELOPE OF THE BUILDING TO COINCIDE WITH DRY WEATHER. COORDINATE WORK SO THAT THE BUILDING INTERIOR AND THE ROOF DECK AND STRUCTURE ARE NOT EXPOSED TO WET WEATHER.
   B. TEMPORARY WEATHER PROTECTION: PLAN THE WORK AND PROVIDE THE TEMPORARY COVER NECESSARY TO PROTECT THE BUILDING INTERIOR AND ROOF DECK AND STRUCTURE FROM EXPOSURE TO WET WEATHER UNTIL THE PERMANENT ROOFING INSTALLATION IS COMPLETED.
   C. PROTECTION OF LANDSCAPING, PAVEMENT AND SITE: DO NOT ALLOW REMOVED MATERIALS OR DEBRIS TO FALL DIRECTLY ONTO THE LANDSCAPE AREAS AND PAVEMENT AROUND THE BUILDING, REMOVE ANY DEBRIS FROM THESE AREAS IMMEDIATELY. PROTECT FROM DAMAGE BY TRUCKS OR OTHER HEAVY EQUIPMENT. CONTRACTOR IS RESPONSIBLE FOR REPLACEMENT OF ANY PAVEMENT OR LANDSCAPING DAMAGED BY THE WORK OF THIS PROJECT TO MATCH EXISTING AND TO THE OWNER'S SATISFACTION.
   D. PROTECTION OF EXISTING BUILDING: PROTECT EXISTING BUILDING FROM DAMAGE, INCLUDING (BUT NOT LIMITED TO) WALLS, SOFFITS, SOFFIT VENTS, WINDOWS, ROOF DECK AND STRUCTURE, FASCIAS, AND PLUMBING VENTS. THE CONTRACTOR IS RESPONSIBLE FOR REPLACEMENT OF ANY BUILDING ELEMENT DAMAGED BY THE WORK OF THIS PROJECT TO MATCH EXISTING AND TO THE OWNER'S SATISFACTION.
   E. TAKE MEASURES TO PREVENT ANY EXISTING ROOFING MATERIALS OR DEBRIS FROM ENTERING EXISTING ROOF PENETRATIONS.
3. INSPECTION OF EXISTING CONSTRUCTION:
   A. INSPECT THE EXISTING ROOF DECK, FASCIAS AND ROOF STRUCTURE FOR DETERIORATION AND DAMAGE OF ANY KIND AND, IF FOUND, ADVISE THE ARCHITECT AND OWNER IMMEDIATELY OF THE LOCATION, QUANTITY AND COST TO REPAIR AND/OR REPLACE.
   B. INSPECT THE EXISTING MATERIALS AND ELEMENTS SHOWN TO BE REUSED FOR DETERIORATION, DAMAGE OR IMPROPER INSTALLATION OF ANY KIND, AND IF FOUND, ADVISE THE OWNER IMMEDIATELY OF THE LOCATION, QUANTITY AND COST TO REPAIR AND/OR REPLACE.
   C. MAINTAIN A DAILY INSPECTION LOG DOCUMENTING ANY FINDINGS OF DETERIORATION AND DAMAGE OF EXISTING ROOF DECK, FASCIAS AND ROOF STRUCTURE.

ABBREVIATIONS

AFF	ABOVE FINISHED FLOOR	MIN	MINIMUM
CFCI	CONTRACTOR FURNISHED CONTRACTOR INSTALLED	OC	ON CENTER
CJ	CONTROL JOINT	OFCI	OWNER FURNISHED, CONTRACTOR INSTALLED
CLR	CLEAR	OFOI	OWNER FURNISHED OWNER INSTALLED
(E)	EXISTING	OPP	OPPOSITE
EQ	EQUAL	PPT	PRESSURE PRESERVATIVE TREATED
FV	FIELD VERIFY	SIM	SIMILAR
GA	GAUGE	TYP	TYPICAL
GWB	GYPSUM BOARD	UNO	UNLESS NOTED OTHERWISE
MAX	MAXIMUM		

SHEET INDEX

SHEET NUMBER	DRAWING DESCRIPTION
GENERAL	
G-101	INDEX SHEET, PROJECT INFORMATION, PROJECT TEAM
G-201	BUILDING CODE SUMMARY
G-202	ENERGY CODE SUMMARY
G-301	LIFE SAFETY PLAN
SURVEY	
1 OF 1	SURVEY
CIVIL	
C-1	ON-SITE PLAN
C-2	GENERAL NOTES AND DETAILS
ARCHITECTURAL DEMOLITION	
AD-121	DEMOLITION PLAN
ARCHITECTURAL	
A-111	SITE PLAN
A-121	FLOOR PLAN
A-151	REFLECTED CEILING PLAN
A-161	ROOF PLAN
A-201	EXTERIOR ELEVATIONS
A-300	BUILDING SECTION/ WALL SECTIONS
A-401	ENLARGED FLOOR PLANS
A-501	STANDARD MOUNTING HEIGHTS AND CLEARANCES
A-545	EXTERIOR DETAILS, INTERIOR HM FRAME DOOR DETAILS
A-551	CEILING DETAILS, FOOTING & FRAMING DETAILS
A-611	DOOR SCHEDULE, STOREFRONT SCHEDULE
A-621	INTERIOR WALL ASSEMBLY TYPES, EXTERIOR WALL ASSEMBLY TYPES, HORIZONTAL ASSEMBLIES, CEILING DETAILS
MECHANICAL	
M0.1	MECHANICAL GENERAL NOTES AND LEGEND
M0.2	MECHANICAL SCHEDULES AND DETAILS
M2.1	MECHANICAL VENTILATION PLAN
M2.2	MECHANICAL REFLECTED CEILING PLAN
M3.1	MECHANICAL ROOF PLAN
ELECTRICAL	
E0.0	ELECTRICAL LEGEND & GENERAL NOTES
E2.1	ELECTRICAL FLOOR PLAN
E4.1	ELECTRICAL MECHANICAL FLOOR PLAN
E7.0	ELECTRICAL ONE-LINE DIAGRAM
E8.0	PANEL SCHEDULES
E8.1	PANEL SCHEDULES
E9.0	ELECTRICAL DETAILS

PROJECT INFORMATION

SITE ADDRESS	2015 NE KRESKY AVE, CHEHALIS, WA
PARCEL NUMBERS	021650002001
ZONING	C-G GENERAL COMMERCIAL
LAND USE DESIGNATION	67 SERVICE - GOVERNMENTAL
PROJECT SITE AREA	0.68 ACRES / 29,620 SQUARE FEET
SCOPE OF WORK	ALTERATION OF EXISTING BUILDING FOR NIGHT SHELTER.
UTILITY PURVEYORS	SEWER — CITY OF CHEHALIS PUBLIC WORKS WATER — CITY OF CHEHALIS PUBLIC WORKS ELECTRIC — LEWIS COUNTY PUBLIC UTILITIES
PROJECT SITE ACCESS	SOUTH: EXISTING PAVED ENTRY FROM NE GROVE ST WEST: EXISTING PAVED ENTRY FROM NE KRESKY AVE

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2106 PACIFIC AVENUE, SUITE 300, TACOMA, WA 98402

SEAL
9463 REGISTERED ARCHITECT JOSEPH PATRICK RYDMAN STATE OF WASHINGTON

PROJECT
NIGHT-BY-NIGHT PERMANENT SHELTER
LEWIS COUNTY PERMANENT SHELTER
2015 NE KRESKY AVE, CHEHALIS, WA

REVISIONS

DATE 10.4.2024
BCRA NO. 24032.00.00
DRAWN BY:
REVIEWED BY:
SHEET TITLE INDEX SHEET, PROJECT INFORMATION, PROJECT TEAM

bcra
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SHEET
G-101
BID SET

IF SHEET MEASURES LESS THAN 24"X36", IT IS A REDUCED PRINT. REDUCE SCALE ACCORDINGLY

24x36 10/7/2024 11:18:26 AM

APPLICABLE CODES

CHEHALIS MUNICIPAL CODE (CMP)
2018 INTERNATIONAL EXISTING BUILDING CODE (IEBC)
2018 INTERNATIONAL BUILDING CODE (IBC), WAC 51-50
2018 WASHINGTON STATE ENERGY CODE (WSEC-C)
2018 INTERNATIONAL MECHANICAL CODE (IMC) & WAC 51-52
2018 INTERNATIONAL FUEL CODE
2018 UNIFORM PLUMBING CODE (UPC), WAC 51-56, 51-50-2900
2017 NATIONAL ELECTRICAL CODE (NFPA 70 -2020) & WAC 51-54
2018 INTERNATIONAL FIRE CODE (IFC) & WAC 51-54A 2021
2009 ICC A117.1

INTERNATIONAL EXISTING BUILDING CODE (IEBC)

LEVEL 3 ALTERATION (604): WORK AREA EXCEEDS 50% OF BUILDING AREA

CONSTRUCTION TYPE: V-B (EXISTING TYPE V-N UNDER UBC)
SRINKLERED: S13R NOTE: EXISTING BUILDING NON-SPRINKLERED
BUILDING AREA: 6,700 SF

OCCUPANCY: R1 TRANSIENT, B BUSINESS, (NON-SEPERATED OCCUPANCIES PER 1011.1.1.1)
NOTE: ORIGINAL OCCUPANCY OF BUILDING: B

GENERAL PROVISIONS

EXISTING MATERIALS (302.4) MATERIALS ALREADY IN USE IN A BUILDING IN COMPLIANCE WITH REQUIREMENTS OR APPROVALS IN EFFECT AT THE TIME OF THEIR ERECTION OR INSTALLATION SHALL BE PERMITTED TO REMAIN IN USE UNLESS DETERMINED BY THE BUILDING OFFICIAL TO BE UNSAFE.

NEW AND REPLACEMENT MATERIALS (302.5) EXCEPT AS OTHERWISE REQUIRED OR PERMITTED BY THIS CODE, MATERIALS PERMITTED BY THE APPLICABLE CODE FOR NEW CONSTRUCTION SHALL BE USED. LIKE MATERIALS SHALL BE PERMITTED FOR REPAIRS AND ALTERATIONS, PROVIDED THAT UNSAFE CONDITIONS ARE NOT CREATED. HAZARDOUS MATERIALS SHALL NOT BE USED WHERE THE CODE FOR NEW CONSTRUCTION WOULD NOT PERMIT THEIR USE IN BUILDINGS OF SIMILAR OCCUPANCY, PURPOSE AND LOCATION.

ACCESSIBILITY

COMPLIANCE WITH ACCESSIBILITY (301.5) ACCESSIBILITY REQUIREMENTS FOR EXISTING BUILDINGS SHALL COMPLY WITH THE 2009 EDITION OF ICC A117.1.

COMPLETE CHANGE OF OCCUPANCY (305.4.2) WHERE AN ENTIRE BUILDING UNDERGOES A CHANGE OF OCCUPANCY, IT SHALL COMPLY WITH SECTION 305.4.1 AND SHALL HAVE ALL OF THE FOLLOWING ACCESSIBLE FEATURES:
NOT FEWER THAN ONE ACCESSIBLE BUILDING ENTRANCE.
NOT FEWER THAN ONE ACCESSIBLE ROUTE FROM AN ACCESSIBLE BUILDING ENTRANCE TO PRIMARY FUNCTION AREAS.
SIGNAGE COMPLYING WITH SECTION 1111 OF THE INTERNATIONAL BUILDING CODE.
ACCESSIBLE PARKING, WHERE PARKING IS BEING PROVIDED.
NOT FEWER THAN ONE ACCESSIBLE ROUTE CONNECTING ACCESSIBLE PARKING AND ACCESSIBLE PASSENGER LOADING ZONES TO AN ACCESSIBLE ENTRANCE.
WHERE IT IS TECHNICALLY INFEASIBLE TO COMPLY WITH THE NEW CONSTRUCTION STANDARDS FOR ANY OF THESE REQUIREMENTS FOR A CHANGE OF GROUP OR OCCUPANCY, ITEMS 1 THROUGH 6 SHALL CONFORM TO THE REQUIREMENTS TO THE MAXIMUM EXTENT TECHNICALLY FEASIBLE.

ADDITIONS (305.5) PROVISIONS FOR NEW CONSTRUCTION SHALL APPLY TO ADDITIONS. AN ADDITION THAT AFFECTS THE ACCESSIBILITY TO, OR CONTAINS AN AREA OF, A PRIMARY FUNCTION SHALL COMPLY WITH THE REQUIREMENTS IN SECTION 305.7.

ALTERATIONS (305.6) A FACILITY THAT IS ALTERED SHALL COMPLY WITH THE APPLICABLE PROVISIONS IN CHAPTER 11 OF THE INTERNATIONAL BUILDING CODE, UNLESS TECHNICALLY INFEASIBLE. WHERE COMPLIANCE WITH THIS SECTION IS TECHNICALLY INFEASIBLE, THE ALTERATION SHALL PROVIDE ACCESS TO THE MAXIMUM EXTENT TECHNICALLY FEASIBLE.
EXCEPTIONS:
THE ALTERED ELEMENT OR SPACE IS NOT REQUIRED TO BE ON AN ACCESSIBLE ROUTE, UNLESS REQUIRED BY SECTION 305.7.
ACCESSIBLE MEANS OF EGRESS REQUIRED BY CHAPTER 10 OF THE INTERNATIONAL BUILDING CODE ARE NOT REQUIRED TO BE PROVIDED IN EXISTING FACILITIES.

ALTERATIONS AFFECTING AN AREA CONTAINING A PRIMARY FUNCTION (305.7) WHERE AN ALTERATION AFFECTS THE ACCESSIBILITY TO, OR CONTAINS AN AREA OF PRIMARY FUNCTION, THE ROUTE TO THE PRIMARY FUNCTION AREA SHALL BE ACCESSIBLE. THE ACCESSIBLE ROUTE TO THE PRIMARY FUNCTION AREA SHALL INCLUDE TOILET FACILITIES AND DRINKING FOUNTAINS SERVING THE AREA OF PRIMARY FUNCTION.
EXCEPTIONS:
1. THE COSTS OF PROVIDING THE ACCESSIBLE ROUTE ARE NOT REQUIRED TO EXCEED 20 PERCENT OF THE COSTS OF THE ALTERATIONS AFFECTING THE AREA OF PRIMARY FUNCTION.
5. THIS PROVISION DOES NOT APPLY TO ALTERED AREAS LIMITED TO TYPE B DWELLING AND SLEEPING UNITS.

ENTRANCES (305.8.1) WHERE AN ALTERATION INCLUDES ALTERATIONS TO AN ENTRANCE THAT IS NOT ACCESSIBLE, AND THE FACILITY HAS AN ACCESSIBLE ENTRANCE, THE ALTERED ENTRANCE IS NOT REQUIRED TO BE ACCESSIBLE UNLESS REQUIRED BY SECTION 305.7.

ACCESSIBLE DWELLING OR SLEEPING UNITS (305.8.6) WHERE GROUP R-1 DWELLING OR SLEEPING UNITS ARE BEING ALTERED OR ADDED, THE REQUIREMENTS OF SECTION 1107 OF THE INTERNATIONAL BUILDING CODE FOR ACCESSIBLE UNITS APPLY ONLY TO THE QUANTITY OF SPACES BEING ALTERED OR ADDED.

CLASSIFICATION OF WORK

SCOPE (604.1) LEVEL 3 ALTERATIONS APPLY WHERE THE WORK AREA EXCEEDS 50 PERCENT OF THE BUILDING AREA.

ALTERATION - LEVEL 3 (604.2) LEVEL 3 ALTERATIONS SHALL COMPLY WITH THE PROVISIONS OF CHAPTERS 7 AND 8 FOR LEVEL 1 AND 2 ALTERATIONS, RESPECTIVELY, AS WELL AS THE PROVISIONS OF CHAPTER 9.

CHANGE OF OCCUPANCY (605.2) CHANGES OF OCCUPANCY SHALL COMPLY WITH THE PROVISIONS OF CHAPTER 10.

ADDITIONS (606.2) ADDITIONS TO EXISTING BUILDINGS SHALL COMPLY WITH THE PROVISIONS OF CHAPTER 11.

ALTERATIONS

(RELEVANT SECTIONS FROM LEVEL 1, LEVEL 2, AND LEVEL 3 ALTERATIONS, CHAPTERS 7,8,&9)

CONFORMANCE (701.2) AN EXISTING BUILDING OR PORTION THEREOF SHALL NOT BE ALTERED SUCH THAT THE BUILDING BECOMES LESS SAFE THAN ITS EXISTING CONDITION.
EXCEPTION: WHERE THE CURRENT LEVEL OF SAFETY OR SANITATION IS PROPOSED TO BE REDUCED, THE PORTION ALTERED SHALL CONFORM TO THE REQUIREMENTS OF THE INTERNATIONAL BUILDING CODE.

INTERIOR FINISH (702.1) NEWLY INSTALLED INTERIOR WALL AND CEILING FINISHES SHALL COMPLY WITH CHAPTER 8 OF THE INTERNATIONAL BUILDING CODE.

MATERIALS AND METHODS (702.6) NEW WORK SHALL COMPLY WITH THE MATERIALS AND METHODS REQUIREMENTS IN THE INTERNATIONAL BUILDING CODE, WASHINGTON STATE ENERGY CODE, INTERNATIONAL MECHANICAL CODE, AND UNIFORM PLUMBING CODE, AS APPLICABLE, THAT SPECIFY MATERIAL STANDARDS, DETAIL OF INSTALLATION AND CONNECTION, JOINTS, PENETRATIONS, AND CONTINUITY OF ANY ELEMENT, COMPONENT, OR SYSTEM IN THE BUILDING.

COMPLIANCE (801.3) NEW CONSTRUCTION ELEMENTS, COMPONENTS, SYSTEMS, AND SPACES SHALL COMPLY WITH THE REQUIREMENTS OF THE INTERNATIONAL BUILDING CODE.

FIRE-RESISTANCE RATINGS (802.6) WHERE APPROVED BY THE CODE OFFICIAL, BUILDINGS WHERE AN AUTOMATIC SPRINKLER SYSTEM INSTALLED IN ACCORDANCE WITH SECTION 903.3.1.1 OR 903.3.1.2 OF THE INTERNATIONAL BUILDING CODE HAS BEEN ADDED, AND THE BUILDING IS NOW SPRINKLERED THROUGHOUT, THE REQUIRED FIRE-RESISTANCE RATINGS OF BUILDING ELEMENTS AND MATERIALS SHALL BE PERMITTED TO MEET THE REQUIREMENTS OF THE CURRENT BUILDING CODE. THE BUILDING IS REQUIRED TO MEET THE OTHER APPLICABLE REQUIREMENTS OF THE INTERNATIONAL BUILDING CODE.

AUTOMATIC SPRINKLER SYSTEMS (803.2) AUTOMATIC SPRINKLER SYSTEMS SHALL BE PROVIDED IN ACCORDANCE WITH THE REQUIREMENTS OF SECTIONS 803.2.1 THROUGH 803.2.4. INSTALLATION REQUIREMENTS SHALL BE IN ACCORDANCE WITH THE INTERNATIONAL BUILDING CODE.

IN BUILDINGS WITH OCCUPANCIES IN GROUPS A, B, E, F-1, H, I, M, R-1, R-2, R-4, S-1 AND S-2, WORK AREAS THAT HAVE EXITS OR CORRIDORS SHARED BY MORE THAN ONE TENANT OR THAT HAVE EXITS OR CORRIDORS SERVING AN OCCUPANT LOAD GREATER THAN 30 SHALL BE PROVIDED WITH AUTOMATIC SPRINKLER PROTECTION

FIRE ALARM - GROUP R-1 (803.4.1.5) A FIRE ALARM SYSTEM SHALL BE INSTALLED IN GROUP R-1 OCCUPANCIES AS REQUIRED BY THE INTERNATIONAL FIRE CODE FOR EXISTING GROUP R-1 OCCUPANCIES.

SMOKE ALARMS (803.4.3) INDIVIDUAL SLEEPING UNITS AND INDIVIDUAL DWELLING UNITS IN ANY WORK AREA IN GROUP R AND I-1 OCCUPANCIES SHALL BE PROVIDED WITH SMOKE ALARMS IN ACCORDANCE WITH THE INTERNATIONAL FIRE CODE.

CARBON MONOXIDE ALARMS (804.1) ANY WORK AREA IN GROUP I- 1, I-2, I-4 AND R OCCUPANCIES SHALL BE EQUIPPED WITH CARBON MONOXIDE ALARMS IN ACCORDANCE WITH SECTION 1103.9 OF THE INTERNATIONAL FIRE CODE.

OCCUPANT LOAD AND TRAVEL DISTANCE (805.4.1.1) IN ANY WORK AREA, ALL ROOMS AND SPACES HAVING AN OCCUPANT LOAD GREATER THAN 50 OR IN WHICH THE TRAVEL DISTANCE TO AN EXIT EXCEEDS 75 FEET (22 860 MM) SHALL HAVE NOT FEWER THAN TWO EGRESS DOORWAYS.

ARTIFICIAL LIGHTING REQUIRED (805.7.1) MEANS OF EGRESS IN ALL WORK AREAS SHALL BE PROVIDED WITH ARTIFICIAL LIGHTING IN ACCORDANCE WITH THE REQUIREMENTS OF THE INTERNATIONAL BUILDING CODE.

MINIMUM FIXTURES (809.1) WHERE THE OCCUPANT LOAD OF THE STORY IS INCREASED BY MORE THAN 20 PERCENT, PLUMBING FIXTURES FOR THE STORY SHALL BE PROVIDED IN QUANTITIES SPECIFIED IN THE INTERNATIONAL BUILDING CODE BASED ON THE INCREASED OCCUPANT LOAD.

NFPA 13R SPRINKLER SYSTEMS (903.3.1.2) AUTOMATIC SPRINKLER SYSTEMS IN GROUP R OCCUPANCIES UP TO AND INCLUDING FOUR STORIES IN HEIGHT IN BUILDINGS NOT EXCEEDING 60 FEET (18 288 MM) IN HEIGHT ABOVE GRADE PLANE SHALL BE PERMITTED TO BE INSTALLED THROUGHOUT IN ACCORDANCE WITH NFPA 13R.

FIRE ALARM AND DETECTION SYSTEMS (904.2) FIRE ALARM AND DETECTION SHALL BE PROVIDED IN ACCORDANCE WITH SECTION 907 OF THE INTERNATIONAL BUILDING CODE AS REQUIRED FOR NEW CONSTRUCTION.

904.2.2 AUTOMATIC FIRE DETECTION
WHERE REQUIRED BY THE INTERNATIONAL BUILDING CODE FOR NEW BUILDINGS, AUTOMATIC FIRE DETECTION SYSTEMS SHALL BE PROVIDED THROUGHOUT THE WORK AREA.

MINIMUM REQUIREMENTS (907.1) LEVEL 3 ALTERATIONS TO EXISTING BUILDINGS OR STRUCTURES SHALL COMPLY WITH THE WASHINGTON STATE ENERGY CODE (CHAPTER 51-11C WAC).

CHANGE OF OCCUPANCY

CHANGE OF OCCUPANCY CLASSIFICATION WITHOUT SEPARATION (1011.1.1.1) WHERE A PORTION OF AN EXISTING BUILDING IS CHANGED TO A NEW OCCUPANCY CLASSIFICATION OR WHERE THERE IS A CHANGE OF OCCUPANCY WITHIN A SPACE WHERE THERE IS A DIFFERENT FIRE PROTECTION SYSTEM THRESHOLD REQUIREMENT IN CHAPTER 9 OF THE INTERNATIONAL BUILDING CODE, AND THAT PORTION IS NOT SEPARATED FROM THE REMAINDER OF THE BUILDING WITH FIRE BARRIERS HAVING A FIRE-RESISTANCE RATING AS REQUIRED IN THE INTERNATIONAL BUILDING CODE FOR THE SEPARATE OCCUPANCY, THE ENTIRE BUILDING SHALL COMPLY WITH ALL OF THE REQUIREMENTS OF CHAPTER 9 OF THIS CODE APPLIED THROUGHOUT THE BUILDING FOR THE MOST RESTRICTIVE OCCUPANCY CLASSIFICATION IN THE BUILDING AND WITH THE REQUIREMENTS OF THIS CHAPTER.

FIRE SPRINKLER SYSTEM (1011.2.1) WHERE A CHANGE IN OCCUPANCY CLASSIFICATION OCCURS OR WHERE THERE IS A CHANGE OF OCCUPANCY WITHIN A SPACE WHERE THERE IS A DIFFERENT FIRE PROTECTION SYSTEM THRESHOLD REQUIREMENT IN CHAPTER 9 OF THE INTERNATIONAL BUILDING CODE THAT REQUIRES AN AUTOMATIC FIRE SPRINKLER SYSTEM TO BE PROVIDED BASED ON THE NEW OCCUPANCY IN ACCORDANCE WITH CHAPTER 9 OF THE INTERNATIONAL BUILDING CODE, SUCH SYSTEM SHALL BE PROVIDED THROUGHOUT THE AREA WHERE THE CHANGE OF OCCUPANCY OCCURS.

HEIGHT AND AREA FOR CHANGE TO A HIGHER-HAZARD CATEGORY (1011.5.1) WHERE A CHANGE OF OCCUPANCY CLASSIFICATION IS MADE TO A HIGHER-HAZARD CATEGORY AS SHOWN IN TABLE 1011.5, HEIGHTS AND AREAS OF BUILDINGS AND STRUCTURES SHALL COMPLY WITH THE REQUIREMENTS OF CHAPTER 5 OF THE INTERNATIONAL BUILDING CODE FOR THE NEW OCCUPANCY CLASSIFICATION.

OCCUPANCY:R-1,
CONSTRUCTION TYPE: VB
SPRINKLER: 13R

ALLOWABLE BUILDING HEIGHT (TABLE 504.3): 60 FT/ 3 STORIES
ALLOWABLE AREA (TABLE 506.2): 7,000 SF
BUILDING AREA: 6,700 SF

INTERNATIONAL BUILDING CODE (IBC)

ALLOWABLE AREA DETERMINATION (506.2) ALLOWABLE AREA FACTOR TABLE 506.2:
OCCUPANCY R-1, TYPE V-B S13R: 7,000 SF

INTERIOR FINISHES

INTERIOR FINISH RATINGS (TABLE 803.13) GROUP R1 - SPRINKLERED
ROOMS AND ENCLOSED SPACES = C

PLUMBING SYSTEMS

MINIMUM PLUMBING FACILITIES (2902.1)

R1 OCCUPANCY REQUIREMENT: 3 SLEEPING UNITS
WATER CLOSET: 1 PER SLEEPING UNIT (3 REQUIRED)
LAVATORIES: 1 PER SLEEPING UNIT (3 REQUIRED)
BATH TUB/SHOWER: 1 PER SLEEPING UNIT (3 REQUIRED)

B OCCUPANCY: 9 OCCUPANTS
WATER CLOSET: 1 PER 25 FOR FIRST 50 (1 REQUIRED)
LAVATORIES: 1 PER 40 FOR FIRST 80 (1 REQUIRED)

TOTAL PROVIDED:
WATER CLOSET: 1 M, 2 W, 2 UNISEX
LAVATORIES: 2 W, 1 M, 2 UNISEX
BATHTUB/SHOWER: 1 (ROLL IN SHOWER)

PORTABLES:
WATER CLOSET: 7 (1 ADA)
LAVATORIES: 7 (1 ADA)
BATHTUB/SHOWER: 4

SEPARATE FACILITIES [P] 2902.2) WHERE PLUMBING FIXTURES ARE REQUIRED, SEPARATE FACILITIES SHALL BE PROVIDED FOR EACH SEX.
EXCEPTIONS:
1. SEPARATE FACILITIES SHALL NOT BE REQUIRED FOR DWELLING UNITS AND SLEEPING UNITS.
2. SEPARATE FACILITIES SHALL NOT BE REQUIRED IN STRUCTURES OR TENANT SPACES WITH A TOTAL OCCUPANT LOAD, INCLUDING BOTH EMPLOYEES AND CUSTOMERS, OF 15 OR LESS.
5. SEPARATE FACILITIES SHALL NOT BE REQUIRED WHEN GENDER-NEUTRAL FACILITIES ARE PROVIDED IN ACCORDANCE WITH SECTION 2902.2.2

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SEAL
9463 REGISTERED ARCHITECT JOSEPH PATRICK RYDMAN STATE OF WASHINGTON

PROJECT
NIGHT-BY-NIGHT PERMANENT SHELTER
LEWIS COUNTY PERMANENT SHELTER
2015 NE KRESKY AVE, CHEHALIS, WA

REVISIONS

DATE 10.4.2024
BCRA NO. 24032.00.00
DRAWN BY: Author
REVIEWED BY:
SHEET TITLE
BUILDING CODE SUMMARY

bcra
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SHEET
G-201
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24x36 10/7/2024 11:18:26 AM

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2018 WASHINGTON STATE ENERGY CODE

EXISTING BUILDINGS

NEW AND REPLACEMENT MATERIALS (C501.5)

EXCEPT AS OTHERWISE REQUIRED OR PERMITTED BY THIS CODE, MATERIALS PERMITTED BY THE APPLICABLE CODE FOR NEW CONSTRUCTION SHALL BE USED. LIKE MATERIALS SHALL BE PERMITTED FOR REPAIRS, PROVIDED NO HAZARD TO LIFE, HEALTH OR PROPERTY IS CREATED.

BUILDING ENVELOPE REQUIREMENTS (C402.1.1.1)

LOW ENERGY BUILDINGS. THE FOLLOWING BUILDINGS, OR PORTIONS THEREOF, SEPARATED FROM THE REMAINDER OF THE BUILDING BY BUILDING THERMAL ENVELOPE ASSEMBLIES COMPLYING WITH THIS CODE SHALL BE EXEMPT FROM ALL THERMAL ENVELOPE PROVISIONS OF THIS CODE:
EXEMPTION 2. THOSE THAT DO NOT CONTAIN CONDITIONED SPACE.

TABLE 402.1.3

TABLE 402.1.3 - GROUP R

UNHEATED SLABS	R-10 FOR 24" BELOW
WALLS ABOVE GRADE	
-WOOD FRAMED AND OTHER	R-13+R-7.5 CI OR R-20+R-3.8 CI, OR R-25
ROOFS	
INSULATION ENTIRELY ABOVE DECK	R-38CI
ATTIC	R-49

VERTICAL FENESTRATION (C402.4)

FENESTRATION IN THE BUILDING ENVELOPE ASSEMBLIES SHALL COMPLY WITH SECTION C402.4, OR THE COMPONENT PERFORMANCE ALTERNATIVE OF SECTION C402.1.5.
AIR LEAKAGE OF BUILDING ENVELOPE ASSEMBLIES SHALL COMPLY WITH SECTION C402.5.

TABLE 402.4 - CLIMATE ZONE 4

FIXED U-FACTOR	0.38
OPERABLE U-FACTOR	0.40
ENTRANCE DOORS U-FACTOR	0.60
ALL OTHER U-FACTOR	0.30

SHGC FOR ALL VERTICAL FENESTRATION

PF < 0.2	0.38
0.2 ≤PF < 0.5	0.46
PF ≥0.5	0.61

ALTERATIONS

GENERAL (C503.1)

ALTERATIONS TO ANY BUILDING OR STRUCTURE SHALL COMPLY WITH THE REQUIREMENTS OF SECTION C503 AND THE CODE FOR NEW CONSTRUCTION. ALTERATIONS TO AN EXISTING BUILDING, BUILDING SYSTEM OR PORTION THEREOF SHALL CONFORM TO THE PROVISIONS OF THIS CODE AS THEY RELATE TO NEW CONSTRUCTION WITHOUT REQUIRING THE UNALTERED PORTIONS OF THE EXISTING BUILDING OR BUILDING SYSTEM TO COMPLY WITH THIS CODE. ALTERATIONS SHALL BE SUCH THAT THE EXISTING BUILDING OR STRUCTURE IS NO LESS CONFORMING WITH THE PROVISIONS OF THIS CODE THAN THE EXISTING BUILDING OR STRUCTURE WAS PRIOR TO THE ALTERATION.

EXCEPTION: THE FOLLOWING ALTERATIONS NEED NOT COMPLY WITH THE REQUIREMENTS FOR NEW CONSTRUCTION PROVIDED THE ENERGY USE OF THE BUILDING IS NOT INCREASED:
SURFACE APPLIED WINDOW FILM INSTALLED ON EXISTING SINGLE PANE FENESTRATION ASSEMBLIES TO REDUCE SOLAR HEAT GAIN PROVIDED THE CODE DOES NOT REQUIRE THE GLAZING FENESTRATION TO BE REPLACED.
EXISTING CEILING, WALL OR FLOOR CAVITIES EXPOSED DURING CONSTRUCTION PROVIDED THAT THESE CAVITIES ARE INSULATED TO FULL DEPTH WITH INSULATION HAVING A MINIMUM NOMINAL VALUE OF R-3.0 PER INCH INSTALLED PER SECTION C402.
CONSTRUCTION WHERE THE EXISTING ROOF, WALL OR FLOOR CAVITY IS NOT EXPOSED.
ROOF RECOVER.
AIR BARRIERS SHALL NOT BE REQUIRED FOR ROOF RECOVER AND ROOF REPLACEMENT WHERE THE ALTERATIONS OR RENOVATIONS TO THE BUILDING DO NOT INCLUDE ALTERATIONS, RENOVATIONS OR REPAIRS TO THE REMAINDER OF THE BUILDING ENVELOPE.
REPLACEMENT OF EXISTING DOORS THAT SEPARATE CONDITIONED SPACE FROM THE EXTERIOR SHALL NOT REQUIRE THE INSTALLATION OF A VESTIBULE OR REVOLVING DOOR, PROVIDED HOWEVER THAT AN EXISTING VESTIBULE THAT SEPARATES A CONDITIONED SPACE FROM THE EXTERIOR SHALL NOT BE REMOVED.

BUILDING ENVELOPE (C503.3)

NEW BUILDING ENVELOPE ASSEMBLIES THAT ARE PART OF THE ALTERATION SHALL COMPLY WITH SECTIONS C402.1 THROUGH C402.5 AS APPLICABLE.
EXCEPTION: AIR LEAKAGE TESTING IS NOT REQUIRED FOR ALTERATIONS AND REPAIRS, UNLESS THE PROJECT INCLUDES A CHANGE IN SPACE CONDITIONING ACCORDING TO SECTION C503.2 OR A CHANGE OF OCCUPANCY OR USE ACCORDING TO SECTION C505.1.

NOTE: NO CHANGE IN SPACE CONDITIONING

C505.1 GENERAL. SPACES UNDERGOING A CHANGE IN OCCUPANCY SHALL BE BROUGHT UP TO FULL COMPLIANCE WITH THIS CODE IN THE FOLLOWING CASES:

2. ANY SPACE THAT IS CONVERTED TO A GROUP R DWELLING UNIT OR PORTION THEREOF, FROM ANOTHER USE OR OCCUPANCY.

NOTE: THE SPACE IS CONVERTED TO GROUP R SLEEPING UNITS, AND IS NOT CONSIDERED TO MEET THE REQUIREMENTS AS LISTED FOR DWELLING UNITS.

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SEAL

9463 REGISTERED ARCHITECT
JOSEPH PATRICK RYDMAN
STATE OF WASHINGTON

PROJECT
NIGHT-BY-NIGHT PERMANENT SHELTER
LEWIS COUNTY PERMANENT SHELTER
2015 NE KRESKY AVE, CHEHALIS, WA

REVISIONS

DATE 10.4.2024
BCRA NO. 24032.00.00
DRAWN BY: Author
REVIEWED BY:
SHEET TITLE
ENERGY CODE SUMMARY

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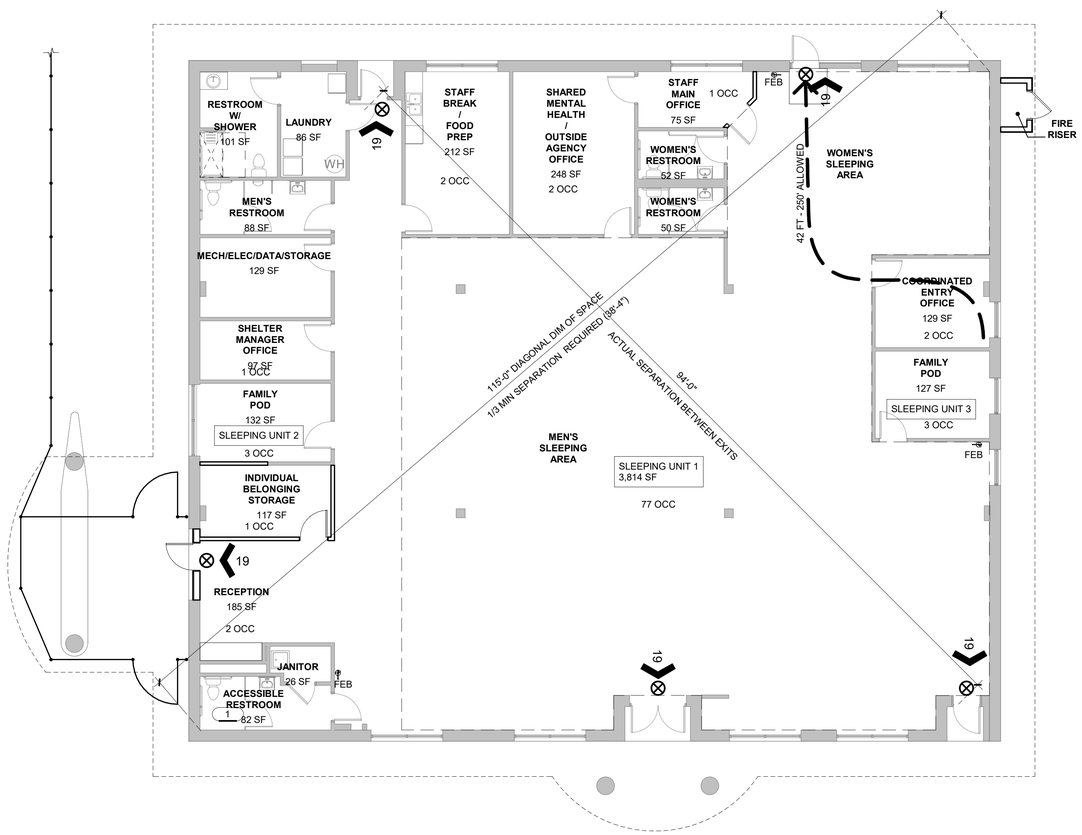

LIFE SAFETY PLAN LEGEND

- 135 — EXIT OCCUPANT LOAD - BUILDING
- 62 — EXIT OCCUPANT LOAD - ROOM / AREA
- EXIT LIGHT - REFER ALSO TO ELECTRICAL
- 12'-0" — TRAVEL DISTANCE PATH
- TRAVEL DISTANCE
- FEB — FIRE EXTINGUISHER WITH BRACKET

OCCUPANCY AND EXITING

OCCUPANCY R-1

DORMITORY (R-1) (GROUP SLEEPING AREA)
SLEEPING UNIT 1 (MEN'S & WOMEN'S SLEEPING AREA): 3,814 SF/50 = 77 OCCUPANTS
SLEEPING UNIT 2 (FAMILY POD): 132 SF/50 = 3 OCCUPANTS
SLEEPING UNIT 3 (FAMILY POD): 127 SF /50 = 3 OCCUPANTS

BUSINESS (B)
STAFF MAIN OFFICE 75 SF/150 = 1 OCCUPANT
SHARED MENTAL HEALTH OFFICE: 248 SF/150 = 2 OCCUPANTS
BREAK ROOM: 212 SF/150 = 2 OCCUPANT
MANAGERS OFFICE: 97 SF/150 = 1 OCCUPANT
RECEPTION : 186 SF/150 = 2 OCCUPANTS
COORD ENTRY OFFICE: 129 SF/150 = 1 OCCUPANT
INDIVIDUAL STORAGE: 117 SF/300 = 1 OCCUPANT

TOTAL: 93 OCCUPANTS

1 FIRST FLOOR LIFE SAFETY PLAN
1/8" = 1'-0"

0 4 8 16 NORTH
SCALE: 1/8" = 1'-0"

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DRAWN BY: Author
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SHEET TITLE LIFE SAFETY PLAN

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CITY OF CHEHALIS TOPOGRAPHIC SURVEY

PORTION OF THE NW 1/4 SE 1/4 & NE 1/4 SE 1/4 SEC 20, T 14 N, R 2 W; W.M.

LEWIS COUNTY, WASHINGTON

LEGEND

BUILDING LINE
PLAT LOT LINE
LOT LINE
SITE BOUNDARY
EASEMENT LINE
CENTERLINE
STREET R/W LINE
SECTION LINE
DITCH LINE

OVERHEAD UTILITIES
ELECTRICAL — OE —

UNDERGROUND UTILITIES
ELECTRICAL — E —
FIBER OPTIC — FO —
GAS — G —
WATER — W —
SEWER — SS —
STORM DRAIN — SD —

R/W	RIGHT-OF-WAY
CLEF	CHAIN LINK FENCE
DRW	DRIVEWAY
S/W	SIDEWALK
ASPH	ASPHALT
BLDG	BUILDING
CONC	CONCRETE
MON	SURVEY MONUMENT
C/O	CLEAN OUT
R/D	ROOF DRAIN
FFE	FINISH FLOOR ELEVATION
UNK	UNKNOWN
GRAV	GRAVEL

FOUND WSDOT SURVEY MONUMENT
PROPERTY CORNER FOUND
CALCULATED POINT ONLY
MAG NAIL CONTROL POINT
SIGN
BOLLARD
UTILITY HAND HOLE
GAS METER
GAS VALVE
GUY WIRE
UTILITY POLE
UTILITY POLE WITH LIGHT
LIGHT
POWER METER
POWER TRANSFORMER
POWER JUNCTION BOX
ELECTRICAL BOX
HEAT PUMP
TELEPHONE PEDESTAL
SANITARY SEWER CLEAN OUT
SANITARY SEWER MANHOLE
STORM DRAIN CATCH BASIN
STORM DRAIN MANHOLE
WATER METER
WATER VALVE
FIRE HYDRANT
IRRIGATION
WATER MANHOLE
DECIDUOUS TREE
FLAG ON POLE

BASIS OF BEARING

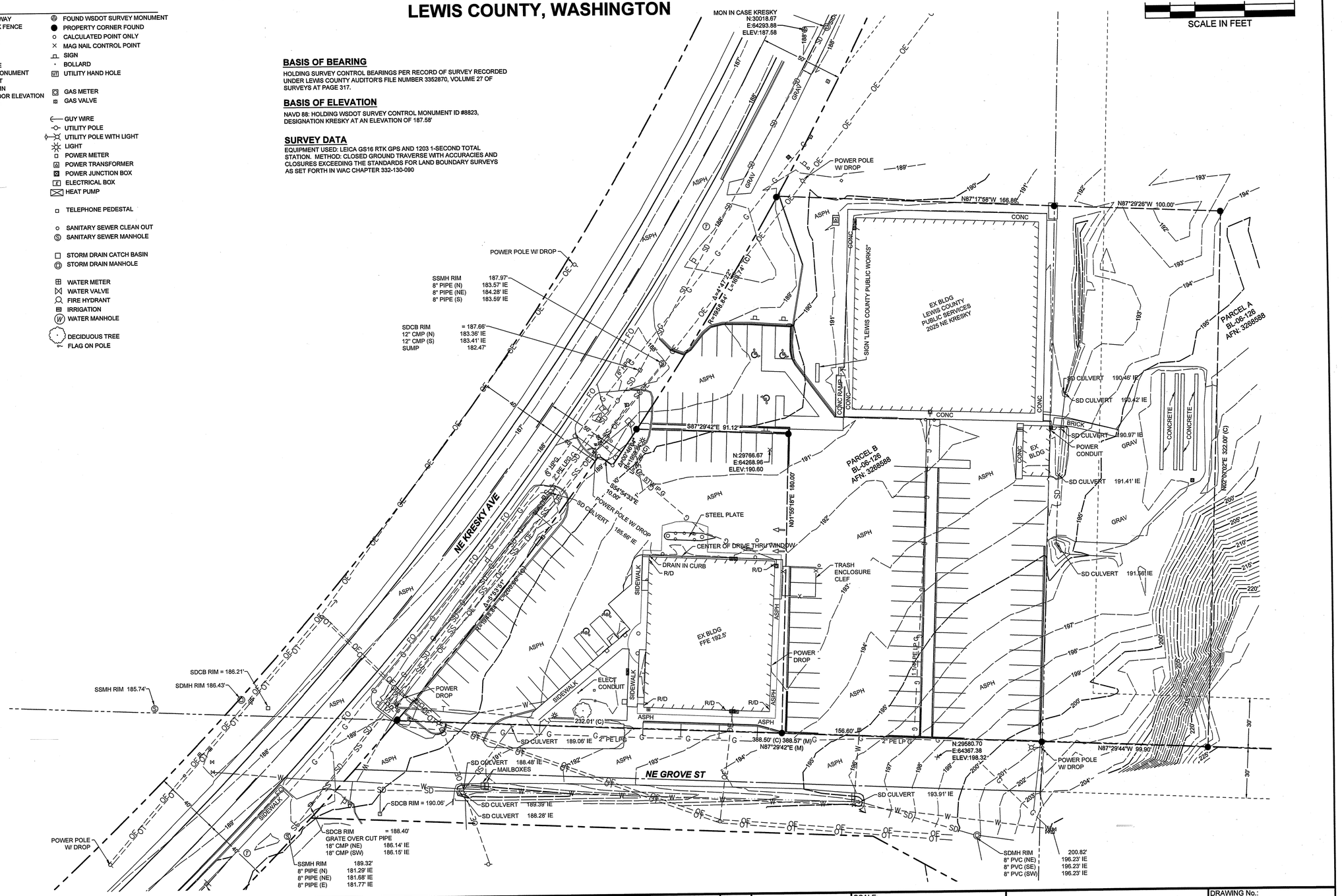
HOLDING SURVEY CONTROL BEARINGS PER RECORD OF SURVEY RECORDED UNDER LEWIS COUNTY AUDITOR'S FILE NUMBER 3352870, VOLUME 27 OF SURVEYS AT PAGE 317.

BASIS OF ELEVATION

NAVD 88: HOLDING WSDOT SURVEY CONTROL MONUMENT ID #8823, DESIGNATION KRESKY AT AN ELEVATION OF 187.58'

SURVEY DATA

EQUIPMENT USED: LEICA GS16 RTK GPS AND 1203 1-SECOND TOTAL STATION. METHOD: CLOSED GROUND TRAVERSE WITH ACCURACIES AND CLOSURES EXCEEDING THE STANDARDS FOR LAND BOUNDARY SURVEYS AS SET FORTH IN WAC CHAPTER 332-130-090



No.	DATE	DSN	CHK	APP	REVISION

DESIGNED BY: B. RAINS
DRAWN BY: M. NOWELS
CHECKED BY: J. GOODMAN
APPROVED BY: J. GOODMAN

JOHN W. GOODMAN — STATE OF WASHINGTON — 34051 — REGISTERED PROFESSIONAL LAND SURVEYOR — 7/7/24

FORESIGHT SURVEYING, INC.
PROFESSIONAL LAND SURVEYORS
1583 N NATIONAL AVE
CHEHALIS, WA 98532 OFFICE: (360) 748-4000

SUBMITTED BY: DATE: REVIEWED BY: DATE:

LINE IS 1" AT FULL SCALE

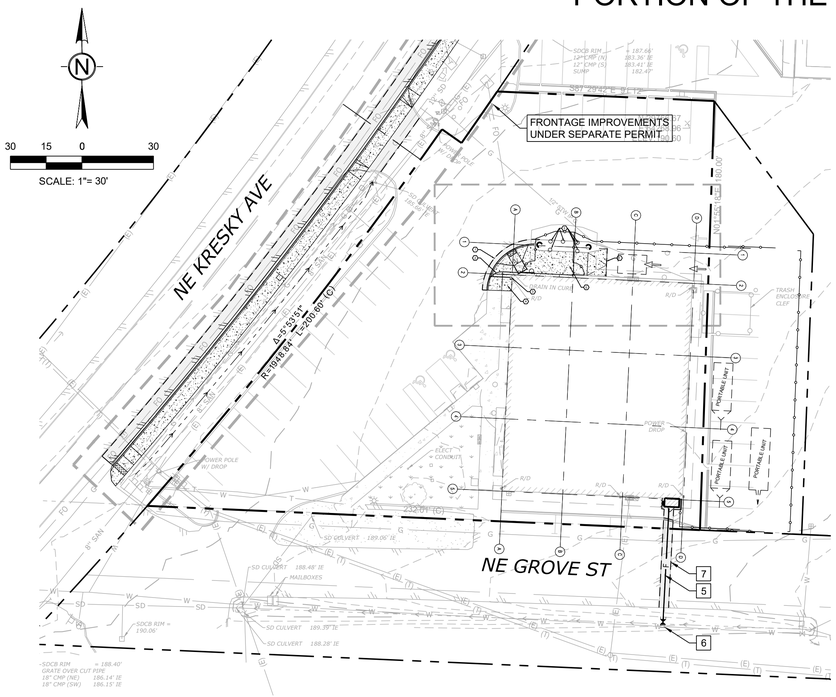
SCALE: 1" = 30'
FILENAME: 14-2W-20 5434 BRCA BASE
CONTRACT No.: 5434
DATE: 07/11/2024

CITY OF CHEHALIS TOPOGRAPHIC SURVEY
APN: 021650002001 & 021650002002

DRAWING No.: 14-2W-20 5434 BRCA BASE
LOCATION ID: 14-2W-20 5434 BRCA BASE
SHEET No.: 1 OF 1 REV:

07/10/24 | 2:40 PM | J. GOODMAN
Z:\DATA\PROJECTS\14-2W-20\5434 BCRA\14-2W-20 5434 BRCA BASE.DWG

PORTION OF THE NW 1/4 SE 1/4 & SE 1/4 SEC 20, TWP 14 N, R 2 W W.M.



SITE PLAN

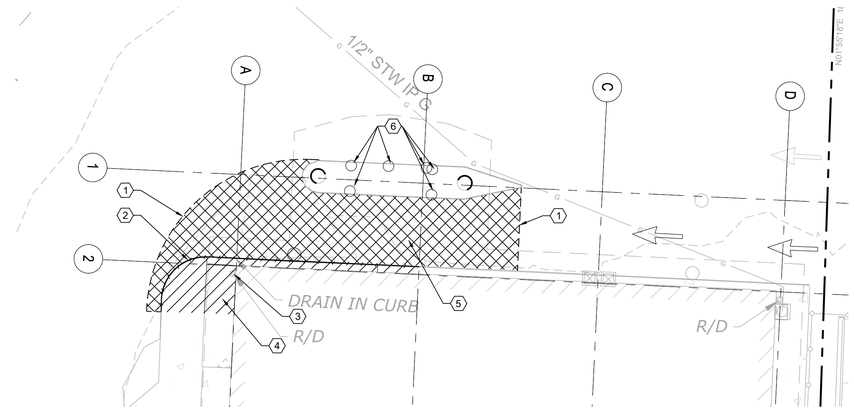
1"=30'

DEMOLITION AND T.E.S.C. NOTES

1. SAWCUT AND REMOVE EX ASPHALT
2. REMOVE EX CURBING AS NECESSARY TO CONSTRUCTION IMPROVEMENTS
3. PROTECT EX ROOF DOWNSPOUT FOR RECONNECTION
4. REMOVE EX CONCRETE SIDEWALK
5. REMOVE EX ASPHALT PAVEMENT
6. REMOVE EX BOLLARDS

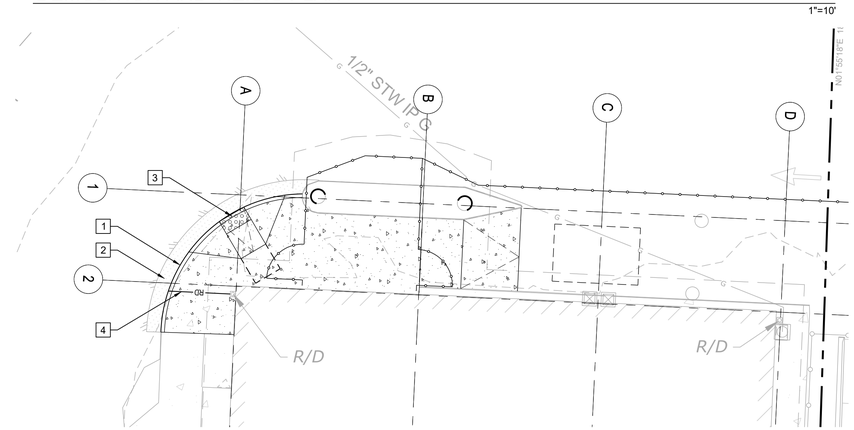
SITE NOTES

1. CONCRETE CURB AND GUTTER PER DETAIL 4/C-2
2. CONCRETE PAVEMENT PER DETAIL 1/C-2
3. CONCRETE RAMP PER DETAIL 5/C-2
4. STORM DRAIN UNDER SIDEWALK PER DETAIL 3/C-2
5. 50 LF 4" DI FIRE WATER SERVICE
6. CONNECT TO EXISTING WATER MAIN PER CITY REQUIREMENTS
7. ASPHALT PAVEMENT TRENCHING AND PATCHING PER DETAIL 2/C-2



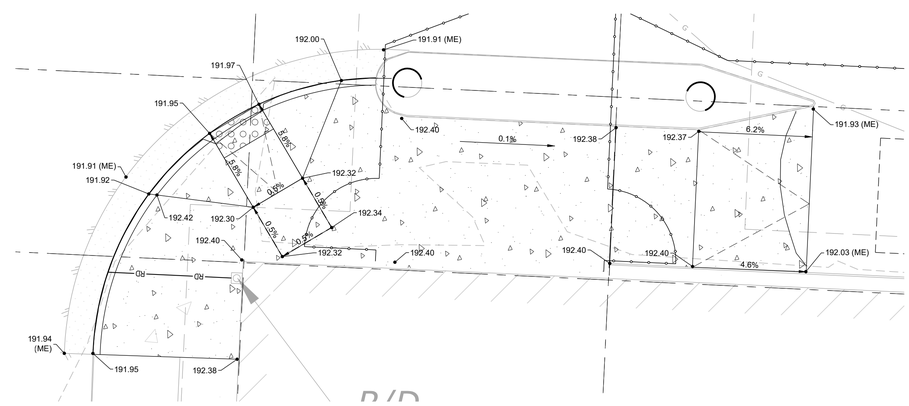
DEMOLITION AND T.E.S.C PLAN

1"=10'



ENTRANCE IMPROVEMENT PLAN

1"=10'



RAMP GRADING DETAIL

1"=5'

APPROVED FOR CONSTRUCTION

BY: _____ DATE: _____

PUBLIC WORKS DEPARTMENT OR DESIGNATED CONSULTANT

APPROVAL EXPIRES: _____

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SEAL

JAMIE D. COX — STATE OF WASHINGTON — 43645 — REGISTERED PROFESSIONAL ENGINEER

10/07/2024

PROJECT

NIGHT-BY-NIGHT PERMANENT SHELTER

LEWIS COUNTY PERMANENT SHELTER

2015 NE KRESKY AVE

CHEHALIS, WA, 98532

REVISIONS

DATE 10.04.2024

BCRA NO. 24032

DRAWN BY: LPL DESIGNED BY: LPL

REVIEWED BY: JDC

SHEET TITLE ON-SITE PLAN

bcra

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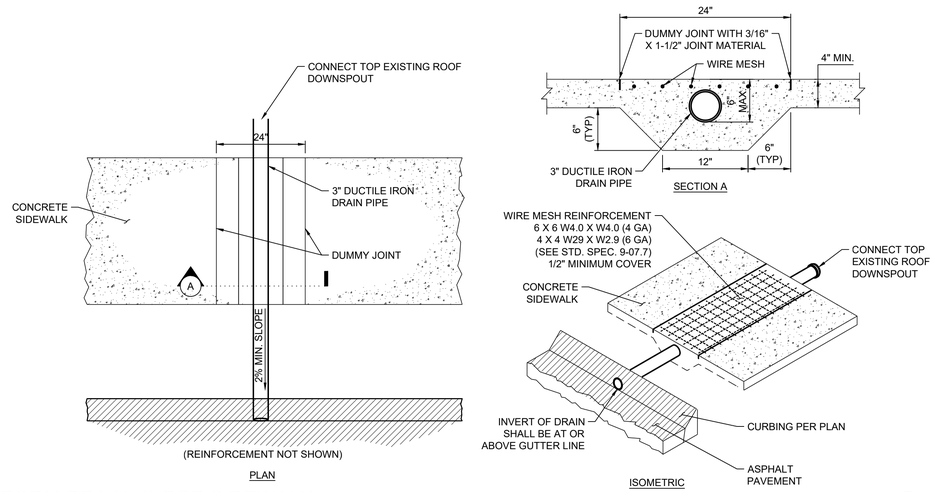
SHEET

C-1

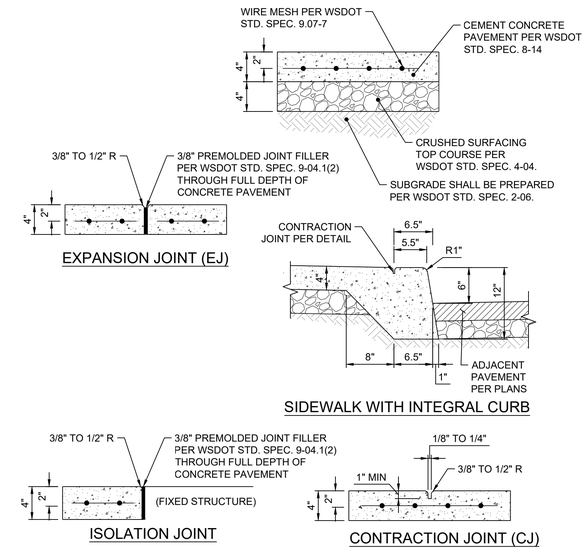
PROJECT STATUS

PORTION OF THE NW 1/4 SE 1/4 & SE 1/4 SEC 20, TWP 14 N, R 2 W W.M.



STORM DRAIN UNDER SIDEWALK

NTS (3)

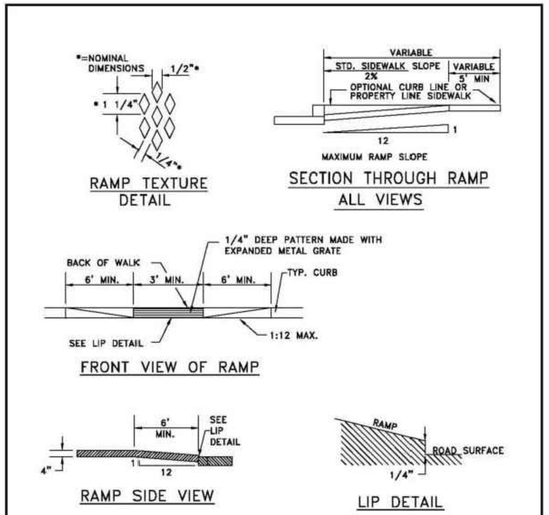


NOTES:

1. DEPTHS ARE COMPACTED THICKNESS.
2. REFER TO WSDOT STD. SPEC. 8-14.
3. MAXIMUM CROSS SLOPE OF SIDEWALK SHALL BE 2.00%. REFER TO GRADING PLAN FOR DETAILED GRADING.

CEMENT CONCRETE SIDEWALK

NTS (1)



NOTES:

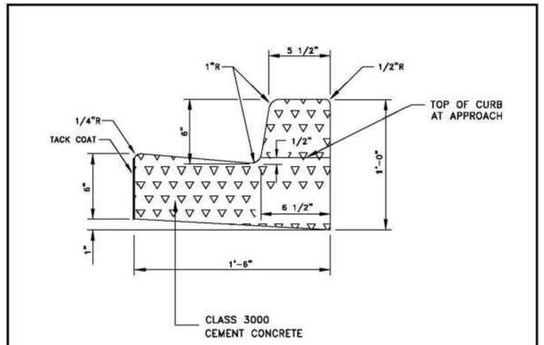
1. MINIMUM RAMP LENGTH IS SIX FEET (6'). MINIMUM RAMP WIDTH IS THREE FEET (3').
2. SEE SIDEWALK DETAIL FOR THICKNESS EXPANSION JOINTS, & SCORE MARKS.

City of Chehalis	
CURB RAMP CONSTRUCTION DETAILS	
APPROVED BY	DWG. NO.
James R Nichols	2-11
	REVISED DATE
CITY ENGINEER	1/02/2003

Drawing Not to Scale

CURB RAMP CONSTRUCTION DETAILS

NTS (5)



GENERAL NOTES:

1. EXPANSION JOINT MATERIAL TO BE 3/8" THICK PREMOLDED JOINT FILLER FULL THICKNESS OF CONCRETE.
2. FORM AND SUBGRADE INSPECTION REQUIRED BEFORE POURING CONCRETE.
3. SUBGRADE AND BASE REQUIREMENTS SHALL BE THE SAME AS FOR PAVEMENT RESTORATION.

City of Chehalis	
CEMENT CONCRETE CURB & GUTTER	
APPROVED BY	DWG. NO.
James R Nichols	2-7
	REVISED DATE
CITY ENGINEER	1/02/2003

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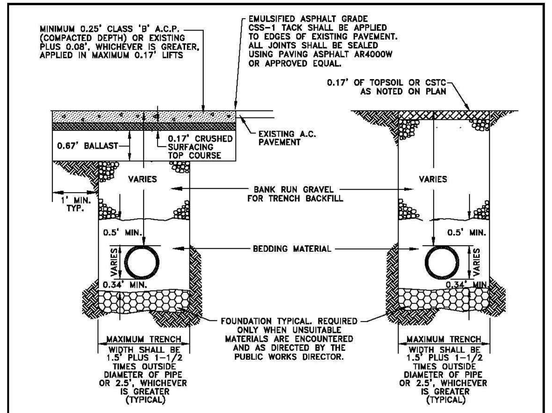
CEMENT CONCRETE CURB & GUTTER

NTS (4)



NOTES:

1. ALL MATERIALS EXCEPT A.C.P. AND BEDDING MATERIAL SHALL BE COMPACTED IN 6-INCH MAXIMUM LIFTS TO 95% DENSITY.
2. BEDDING SHALL CONFORM TO SECTION 9-03.16 OF STANDARD SPECIFICATIONS AS AMENDED BY CITY OF CHEHALIS STANDARDS.
3. COMPACTION: BEDDING SHALL BE COMPACTED TO 95% MAX. AS DETERMINED BY ASTM D1557. BACKFILL SHALL BE COMPACTED TO 85% IN UNPAVED AREA, AND 95% IN PAVED OR SHOULDER AREAS AS DETERMINED BY ASTM D1557.
4. ALL MATERIALS, WORKMANSHIP, AND INSTALLATION SHALL BE IN CONFORMANCE WITH THE MOST RECENT STANDARD SPECIFICATIONS FOR ROAD, BRIDGE AND MUNICIPAL CONSTRUCTION AS AMENDED BY CITY OF CHEHALIS PUBLIC WORKS STANDARDS.
5. KEEP TRENCH BOTTOM COMPACTED WITH UNIFORM GRADE. A BELL JOINT SHALL BE REQUIRED AT EACH JOINT FOR PROPER SUPPORT. NO TEMPORARY SUPPORTS, I.E. BLOCKS, WILL BE ALLOWED TO SUPPORT PIPE. TRENCH BOTTOM SHALL BE TO GRADE PRIOR TO PIPE INSTALLATION.

City of Chehalis	
TRENCH PAVEMENT RESTORATION DETAIL	
APPROVED BY	DWG. NO.
James R Nichols	2-4
	REVISED DATE
CITY ENGINEER	1/02/2003

Drawing Not to Scale

TRENCH PAVEMENT RESTORATION

NTS (2)

CITY OF CHEHALIS EROSION CONTROL NOTES

1. EROSION CONTROL MEASURES WILL BE IN PLACE PRIOR TO THE BEGINNING OF CONSTRUCTION. A REPRESENTATIVE FROM THE CITY WILL INSPECT AND APPROVE THE EROSION CONTROL MEASURES PRIOR TO THE START OF CONSTRUCTION.
2. EROSION CONTROL MEASURES ARE NOT LIMITED TO THE ITEMS ON THIS PLAN. THE CONTRACTOR IS RESPONSIBLE FOR THE INSTALLATION AND MAINTENANCE OF ALL EROSION MEASURES, AS REQUIRED UNDER THE MOST RECENT VERSION OF THE CHEHALIS STORM WATER MANAGEMENT PLAN. CARE WILL BE TAKEN TO PREVENT MIGRATION OF SILT AND/OR POLLUTED RUNOFF TO OFF-SITE PROPERTIES.
3. THE CONTRACTOR WILL MAKE REGULAR SURVEILLANCE OF ALL EROSION CONTROL MEASURES. IN ADDITION, EROSION CONTROL WILL BE THOROUGHLY INSPECTED AFTER EACH RAINFALL EVENT. THE CONTRACTOR WILL MAKE ALL NECESSARY REPAIRS, MODIFICATIONS, AND ADDITIONS AS NECESSARY TO ENSURE THE PROPER OPERATION OF THE EROSION CONTROL MEASURES. THE CITY MAY REQUIRE MORE FREQUENT INSPECTIONS OF EROSION CONTROL MEASURES BY THE CONTRACTOR SHOULD SITE OR WEATHER CONDITIONS DICTATE.
4. DURING THE WET SEASON, NOVEMBER THROUGH MARCH, ALL DISTURBED SOILS WILL BE STABILIZED WITHIN 48 HOURS AFTER LAND DISTURBANCE ACTIVITIES HAVE CEASED. EROSION CONTROL MEASURES WILL INCLUDE, BUT ARE NOT LIMITED TO, INSTALLATION OF STRAW MATTING, JUTE MATTING, STRAW MULCH AND/OR WOOD CHIPS, AND COVERING THE AFFECTED AREA AND SPOIL PILES WITH PLASTIC SHEETING.
5. THE CONTRACTOR WILL CHECK ALL SEEDED OR SODDED AREAS REGULARLY TO ENSURE THAT THE VEGETATIVE COVER IS BEING ADEQUATELY ESTABLISHED. AREAS WILL BE REPAIRED, RESEEDED, AND FERTILIZED AS REQUIRED.
6. TRACKING OF SOIL OFF SITE WILL NOT BE ALLOWED. IF ANY SOIL IS TRACKED BEYOND THE LIMITS OF THE SITE, IT WILL BE REMOVED BEFORE THE END OF THAT WORKING DAY. TO PREVENT ADDITIONAL TRACKING, VEHICLE TIRES MUST BE SWEPT OR WASHED PRIOR TO LEAVING THE PROJECT SITE.
7. NO MORE THAN 500 LINEAL FEET (LF) OF TRENCH ON A DOWNSLOPE OF MORE THAN FIVE PERCENT WILL BE OPENED AT ONE TIME.
8. EXCAVATED MATERIAL WILL BE PLACED ON THE UPHILL SIDE OF TRENCHES.
9. EXCAVATED MATERIAL WILL NOT BE PLACED IN ESTABLISHED DRAINAGE DITCHES UNDER ANY CIRCUMSTANCES.
10. TRENCH DEWATERING DEVICES WILL BE DISCHARGED IN A MANNER THAT WILL NOT ADVERSELY AFFECT FLOWING STREAMS, DRAINAGE SYSTEMS, OR OFF-SITE PROPERTIES. AN ESTABLISHED SEDIMENT TRAP WILL BE USED AS THE RECEIVER FOR ALL TRENCH DEWATERING OPERATIONS.
11. ALL DISTURBED AREAS WILL BE SEEDED OR SODDED UPON COMPLETION OF WORK. THE CONTRACTOR WILL BE RESPONSIBLE TO ENSURE THAT COMPLETE COVERAGE OF THE DISTURBED AREAS IS PROVIDED AND THAT GROWTH OF VEGETATION IS ESTABLISHED. SEED AND SOD APPLICATIONS WILL BE CONDUCTED IN ACCORDANCE WITH THE TIMELINES NOTED IN THE MOST RECENT EDITION OF THE WSDOT STANDARD SPECIFICATIONS.
12. ALL EROSION CONTROL WILL REMAIN IN PLACE UNTIL SUCH TIME AS THE SITE IS ADEQUATELY STABILIZED. PRIOR TO REMOVAL OF EROSION CONTROL MEASURES, THE ENGINEERING DIVISION WILL BE NOTIFIED FOR FINAL INSPECTION AND APPROVAL.

Know what's below. Call before you dig.

APPROVED FOR CONSTRUCTION

BY: _____ DATE: _____

PUBLIC WORKS DEPARTMENT OR DESIGNATED CONSULTANT

APPROVAL EXPIRES: _____

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2106 PACIFIC AVENUE, SUITE 300, TACOMA, WA 98402

SEAL

JIMMIE D. CORE — STATE OF WASHINGTON — 43645 — REGISTERED PROFESSIONAL ENGINEER

10/07/2024

PROJECT

NIGHT-BY-NIGHT PERMANENT SHELTER

LEWIS COUNTY PERMANENT SHELTER

2015 NE KRESKY AVE
CHEHALIS, WA. 98532

REVISIONS

DATE 10.04.2024

BCRA NO. 24032

DRAWN BY: LPL DESIGNED BY: LPL

REVIEWED BY: JDC

SHEET TITLE

GENERAL NOTES AND DETAILS

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SHEET

C-2

PROJECT STATUS

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DATE PLOTTED: 10/7/2024 10:56:59 AM FILENAME: 24032 SITE - DETAILS.DWG BY:---

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

DEMOLITION FLOOR PLAN GENERAL NOTES

1. DIMENSIONS OF EXISTING GRIDLINES ARE BASED ON EXISTING DRAWINGS. FIELD VERIFY.
2. FIELD VERIFY EXISTING CONDITIONS PRIOR TO THE START OF DEMOLITION OPERATIONS. BRING ANY DISCREPANCIES WHICH MAY SIGNIFICANTLY AFFECT DEMOLITION OR NEW CONSTRUCTION TO THE ATTENTION OF THE ARCHITECT FOR REVIEW.
3. DO NOT ALTER THE STRUCTURAL INTEGRITY OF THE EXISTING BUILDING OR ITS ASSEMBLIES UNLESS SPECIFICALLY NOTED OTHERWISE.
4. FOR THE PURPOSES OF THESE DEMOLITION DRAWINGS, DEFINITIONS ARE AS FOLLOWS:
   A. **DEMOLISH** - COMPLETE DEMOLITION OF AN ENTIRE STRUCTURE. NO ITEMS TO BE REMOVED OR SALVAGED.
   B. **REMOVE** - SELECTIVE REMOVAL OF A DESIGNATED BUILDING ELEMENT IN A MANNER THAT ENSURES THAT SURROUNDING EXISTING BUILDING ELEMENTS (TO REMAIN) ARE PROTECTED FROM DAMAGE. ALL REMOVED ITEMS ARE TO BE DISPOSED OF IN AN APPROPRITE MANNER OFF-SITE.
   C. **SALVAGE** - REMOVAL OF A DESIGNATED BUILDING ELEMENT IN A MANNER THAT PROTECTS THE ITEM BEING REMOVED FOR RE-USE IN THE PROJECT, OR TURNED OVER TO THE OWNER. ITEM IS TO BE STORED BY THE GENERAL CONTRACTOR (FOR RE-USE) OR COORDINATED WITH THE OWNER FOR REMOVAL FROM THE SITE.
5. WHERE EXISTING WALLS AND DOOR FRAMES ARE REMOVED, DISASSEMBLE OR CUT OFF FLUSH ANCHOR BOLTS, CONDUIT, PIPING IN FLOOR AND FILL HOLES W/ CEMENTITIOUS UNDERLAYMENT/GROUT FLUSH W/ FLOOR SURFACE.
6. REFER ALSO TO STRUCTURAL, MECHANICAL AND ELECTRICAL FOR ADDITIONAL DEMOLITION SCOPE REQUIREMENTS.
7. AREAS OF REMOVAL OF EXISTING GWB ARE TO BE COORDINATED WITH STRUCTURAL, MECHANICAL AND ELECTRICAL DRAWINGS.
8. PROTECT ALL EXISTING STRUCTURE, EQUIPMENT, WALLS, FLOORS, ROOFS AND FINISHES TO REMAIN FROM DAMAGE DURING DEMOLITION. REPAIR AND REPLACE DAMAGED EXISTING CONSTRUCTION.
9. ANY EXISTING CONSTRUCTION OR FINISH ELEMENTS AFFECTED BY THE REMOVAL OF EXISTING BUILDING SYSTEMS SHALL BE PATCHED AND REPAIRED TO MATCH ADJACENT BUILDING FINISHES IN A CONSISTENT MANNER.
10. REMOVE ALL ADA GRAB BARS FOR REPLACEMENT.
11. REMOVE ALL RESTROOM FLOORING AND ASSOCIATED FINISHES INCLUDING ADHESIVE AND WALL BASE UNLESS NOTED OTHERWISE
12. REMOVE ALL RESTROOM WALL TILE AND TILE BACKER BOARD SO THAT NEW TILE BACKER BOARD IS FLUSH WITH EXISTING GWB ABOVE TILE WAINSCOT.
13. WHERE WALL TILE IS BEING ADDED TO EXISTING WALLS THAT DO NOT CURRENTLY HAVE WALL TILE, REMOVE EXISTING GWB SO THAT NEW TILE BACKER BOARD WILL BE FLUSH WITH EXISTING GWB ABOVE THE TILE WAINSCOT.

DEMOLITION FLOOR PLAN LEGEND

NOTE: NOT ALL LEGEND ITEMS MAY BE PRESENT ON THIS SHEET

- EXISTING DOOR AND FRAME TO REMAIN
- EXISTING WALL TO REMAIN
- EXISTING RELITE / WINDOW TO REMAIN
- REMOVE DOOR AND FRAME
- REMOVE WALL
- REMOVE RELITE / WINDOW
- REMOVE AREA OF EXISTING ASPHALT PAVING AS NEEDED FOR NEW CONCRETE SLAB ON GRADE

DEMOLITION FLOOR PLAN SHEET NOTES

1 REMOVE EXISTING WINDOW AND SECTION OF WALL, PREPARE OPENING FOR NEW WALL AND DOOR

0 4 8 16 NORTH
SCALE: 1/8" = 1'-0"

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SEAL
9463 REGISTERED ARCHITECT
JOSEPH PATRICK RYDMAN
STATE OF WASHINGTON

PROJECT
NIGHT-BY-NIGHT PERMANENT SHELTER
LEWIS COUNTY PERMANENT SHELTER
2015 NE KRESKY AVE, CHEHALIS, WA

REVISIONS
1 REVISION 1 10.4.2024

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10.4.2024
BCRA NO.
24032.00.00
DRAWN BY:
REVIEWED BY:
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DEMOLITION PLAN

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SITE PLAN GENERAL NOTES

1. REFER TO CIVIL DRAWINGS FOR DEMOLITION OF EXISTING SITE FEATURES.
2. REFER TO CIVIL DRAWINGS FOR ASPHALT PAVING AND CONCRETE SIDEWALK SECTIONS.
3. REFER TO CIVIL DRAWINGS FOR ALL SURFACING FEATURES, UTILITIES, AND GRADING. ELEMENTS SHOWN ON THIS DRAWING ARE FOR REFERENCE ONLY.
4. REFER TO ELECTRICAL DRAWINGS FOR EQUIPMENT DESIGN.

SITE PLAN LEGEND

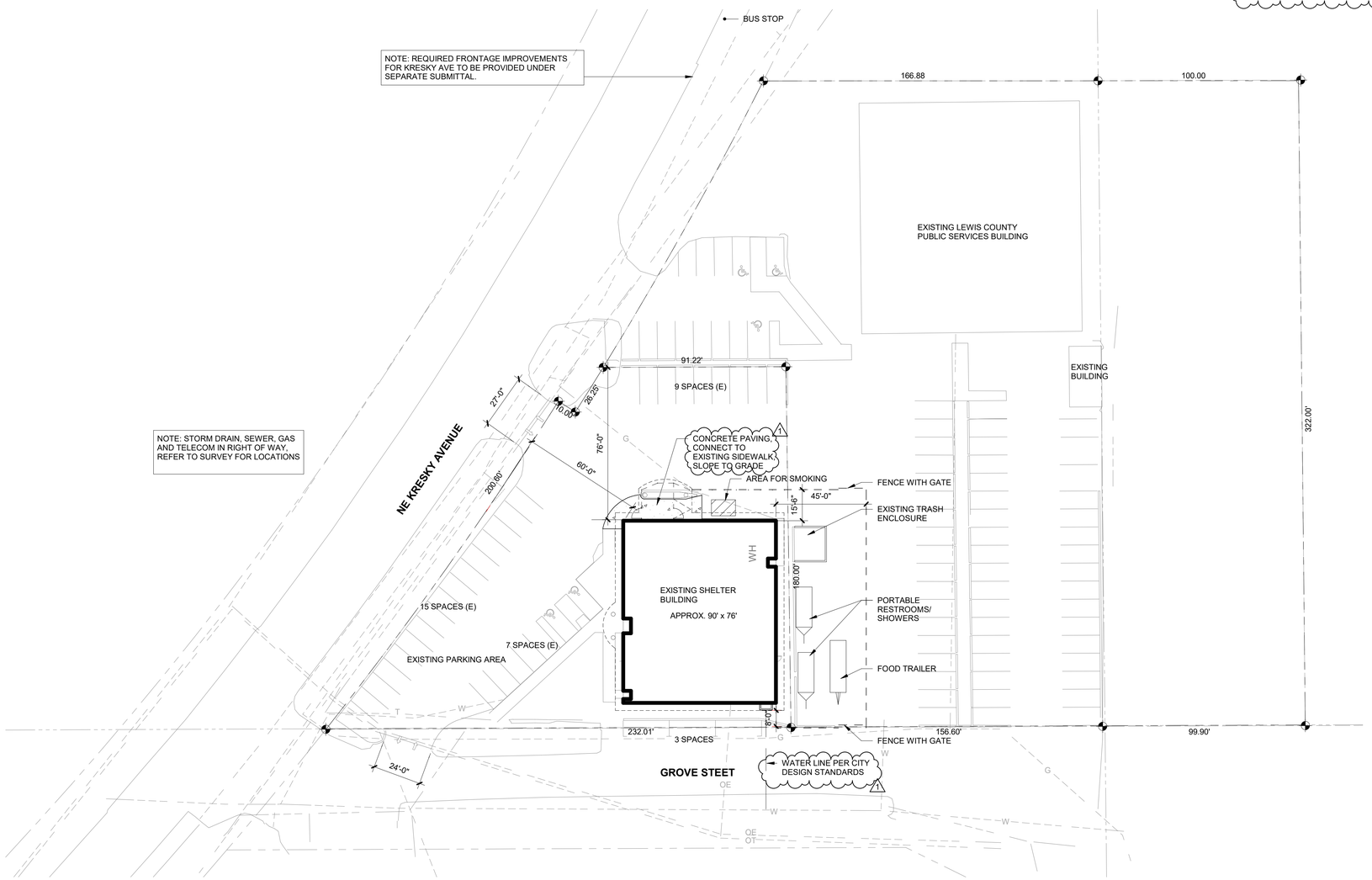
PROPERTY LINE

CONCRETE PAVING

PARKING REQUIREMENTS:
CMC 17.78.020, CODE R148, SHELTER, TRANSIENT HOMELESS

PARKING REQUIRED: 1 PER 3 BEDS. 70 BEDS/3 = 24 PARKINGSPACES REQUIRED

PARKING PROVIDED: 24 SPACES, INCLUDING (2) ADA SPACES (EXISTING)



NOTE:
FRONTAGE ALONG GROVE STREET PER CMC 12.04.110.A.1 IS REQUESTED TO BE WAIVED DUE TO THE HEALTH AND SAFETY OF THE PUBLIC BEING NEGATIVELY IMPACTED BY ENCOURAGING PEDESTRIANISM FROM THE HOMELESS SHELTER UP TOWARD THE CITY PUBLIC WORKS BUILDING AND THE SHOOTING RANGE, WHICH IS NOT SECURED AGAINST PEDESTRIAN ACCESS. THIS WOULD TREAT THE PROJECT CONSISTENTLY WITH THE STORAGE FACILITY TO THE SOUTH, FOR WHICH FRONTAGE ON GROVE WAS WAIVED PRESUMABLY FOR SIMILAR REASONS. IF THE CITY DECLINES TO WAIVE FRONTAGE, THEN THE APPLICANT ALTERNATIVELY ASKS FOR FRONTAGE ON GROVE TO BE DEFERRED UNDER CMC 12.04.110.B.3 AND E."

1 SITE PLAN
1" = 30'-0"

0 15 30 60
SCALE: 1" = 30'-0"

TRUE NORTH

IF SHEET MEASURES LESS THAN 24"X36", IT IS A REDUCED PRINT. REDUCE SCALE ACCORDINGLY

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DATE
10.4.2024

BCRA NO.
24032.00.00

DRAWN BY:

REVIEWED BY: Reviewer

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SITE PLAN

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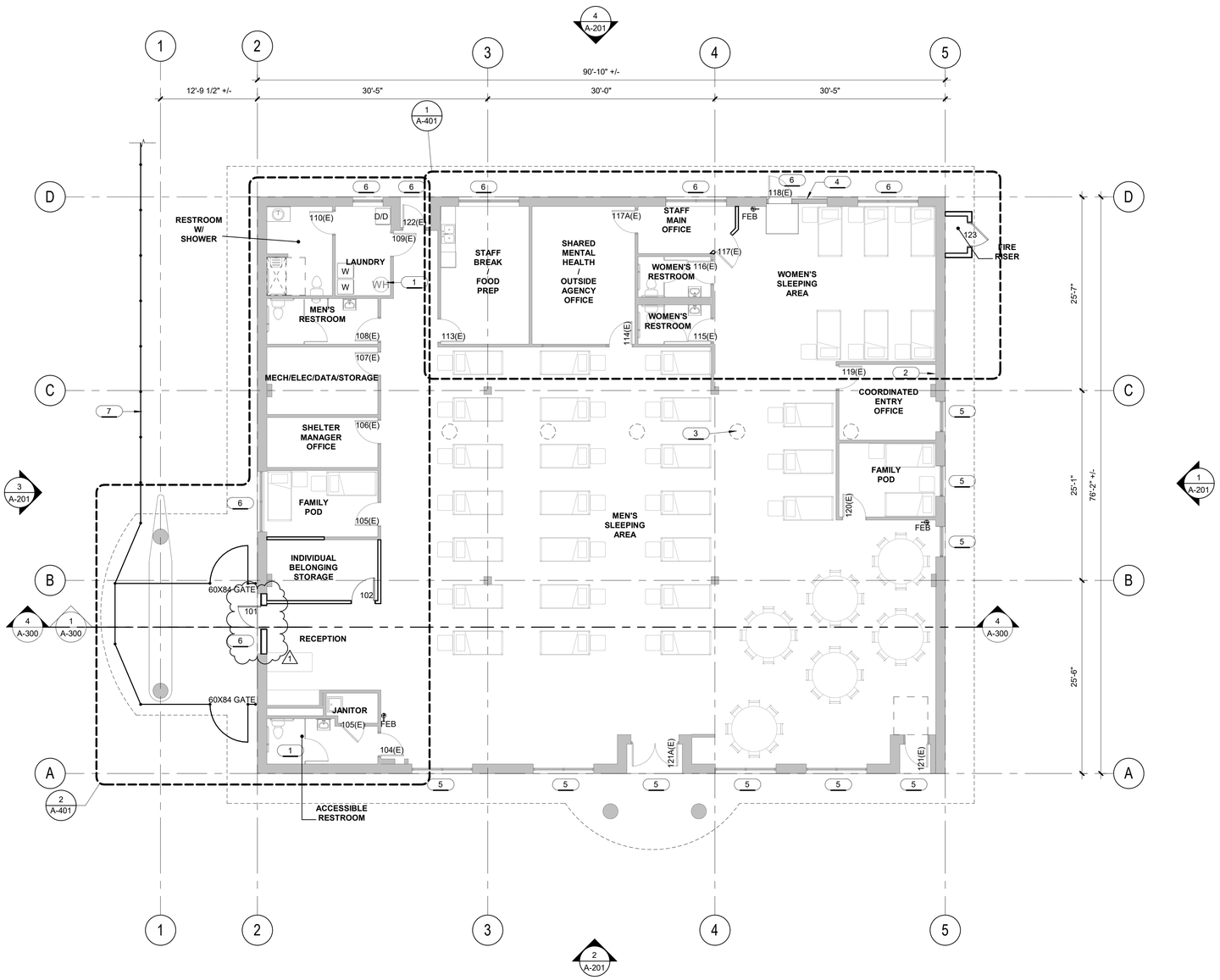

1 FLOOR PLAN

1/8" = 1'-0"

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

0 4 8 16 NORTH

FLOOR PLAN GENERAL NOTES

1. REFER TO MECHANICAL DRAWINGS FOR SIZING AND CONFIGURATION OF ALL DUCTS AND PIPES PENETRATING EXISTING ASSEMBLIES.
2. ENTRY VESTIBULE AND BIKE STORAGE ARE UNCONDITIONED SPACES.
3. GRIDLINES ARE APPROXIMATE, FIELD VERIFY DIMENSIONS AT EXISTING CONDITIONS.
4. FURNITURE, CASEWORK, STORAGE CABINETS, APPLIANCES, AND BIKE RACK TO BE OWNER PROVIDED AND INSTALLED.

FLOOR PLAN LEGEND

NOTE: NOT ALL LEGEND ITEMS MAY BE PRESENT ON THIS SHEET

- EXISTING DOOR TO REMAIN
- EXISTING WALL TO REMAIN
- EXISTING RELITE / WINDOW TO REMAIN
- EXTERIOR FRAMED WALL - REFER ALSO TO STRUCTURAL
- INTERIOR FRAMED WALL - STOP WALL AT 6" ABOVE HIGHEST CEILING UNLESS NOTED OTHERWISE - BRACE TO STRUCTURE ABOVE AS SHOWN ON A-521.
- WALL-MOUNTED ITEM - REFER TO INTERIOR ELEVATIONS
- RELITE / WINDOW
- DOOR
- FEB — FIRE EXTINGUISHER WITH BRACKET

FLOOR PLAN SHEET NOTES

1. EXISTING WATER HEATER TO REMAIN
2. EXISTING ELECTRICAL PANEL TO REMAIN
3. EXISTING CONCRETE UTILITY HATCH, SEAL PERIMETER, TYP
4. EXISTING FRAMED WALL - PROVIDE EXTERIOR SIDING PER ELEVATION
5. INSTALL WINDOW FILM AT WINDOW/DOOR LITES - FROSTED FINISH, OFOI
6. INSTALL WINDOW FILM AT WINDOW/DOOR LITES - CLEAR FINISH, OFOI
7. CHAIN LINK FENCE WITH PRIVACY SCREEN

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NIGHT-BY-NIGHT PERMANENT SHELTER
LEWIS COUNTY PERMANENT SHELTER
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SHEET TITLE FLOOR PLAN

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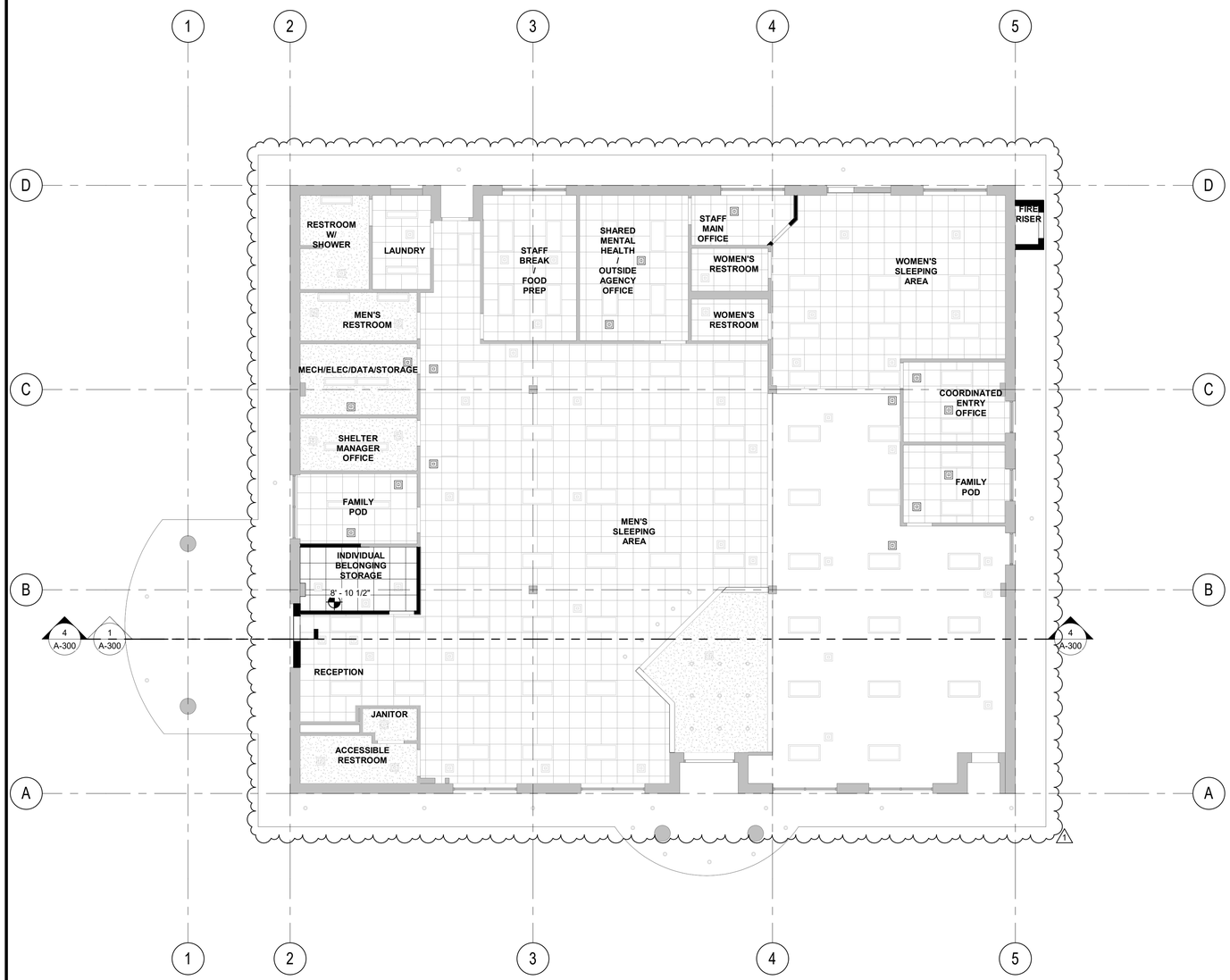

1 REFLECTED CEILING PLAN

1/8" = 1'-0"

0 4 8 16 NORTH

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

REFLECTED CEILING PLAN GENERAL NOTES

1. CENTER SUSPENDED CEILING GRIDS WITHIN OVERALL DIMENSION OF ROOM/AREA PER GRAPHIC REPRESENTATION AND PROVIDE EQUAL DIMENSIONS AT EDGE OF PERIMETER WALLS AND/OR SOFFITS, UNLESS NOTED OTHERWISE.
2. DIMENSIONS ARE TO FACE OF FINISH AND CENTERLINE OF FIXTURES, UNLESS NOTED OTHERWISE.
3. AT SUSPENDED ACOUSTICAL CEILINGS, CENTER LIGHT FIXTURES, DIFFUSERS, FIRE SPRINKLER HEADS, ALARMS, DETECTORS ETC. WITHIN TILES, UNLESS NOTED OTHERWISE.
4. PROVIDE ARMSTRONG BERC2 CLIP (OR APPROVED EQUIVALENT) IN LIEU OF 2" PERIMETER ANGLE PER ICC 3SR-1308 FOR CONNECTING GRID MEMBERS TO PERIMETER WALL.
5. REFER TO SHEET A-551 FOR TYPICAL SUSPENDED CEILING SEISMIC REQUIREMENTS.
6. DESIGN AND PROVIDE ALL CEILING SECONDARY SUPPORT SYSTEMS SUSPENDED FROM PRIMARY STRUCTURE ABOVE. REFER TO #/A-551 FOR MINIMUM CEILING PERFORMANCE REQUIREMENTS.
7. REFER ALSO TO STRUCTURAL FOR LOCATIONS OF WALL FRAMING THAT EXTENDS TO STRUCTURE ABOVE.
8. ALIGN EXISTING ROOF FRAMING WITH SUSPENDED T-BAR GRID LAYOUT TO ACCOMODATE THE CEILING, LIGHTING AND HVAC SYSTEMS.
9. COORDINATE LOCATION OF WORK/DEVICES SHOWN ON MECHANICAL, ELECTRICAL, AND FIRE PROTECTION DRAWINGS AND NOT SHOWN ON REFLECTED CEILING PLANS.

REFLECTED CEILING PLAN LEGEND

- EXISTING DOOR/OPENING TO REMAIN
- EXISTING WALL TO REMAIN
- EXISTING WINDOW TO REMAIN
- DOOR AS SCHEDULED / OPENING, PER PLAN
- WALL PER PLAN
- STOREFRONT AS SCHEDULED
- EXISTING ACT CEIILING TO REMAIN
- ACT-1 ACOUSTIC CEILING TILE (2'x2')
- EXISTING GWB CEIILING TO REMAIN
- (1) LAYER 5/8" GYPSUM BOARD
  CONTRACTOR'S OPTION:
  - ON SUSPENDED GWB CEILING SYSTEM
  - ON WOOD FRAMING
  - ON METAL FRAMING
  REFER TO 1/A-551 FOR CEILING PERFORMANCE REQUIREMENTS
- 8'-0" CEILING HEIGHT (AFF)
- EXISTING CEILING DIFFUSER TO REMAIN, REFER ALSO TO MECHANICAL.
- CEILING DIFFUSER (SIZE AND TYPE VARIES) -REFER ALSO TO MECHANICAL
- EXISTING LIGHT FIXTURE TO REMAIN, REFER ALSO TO ELECTRICAL

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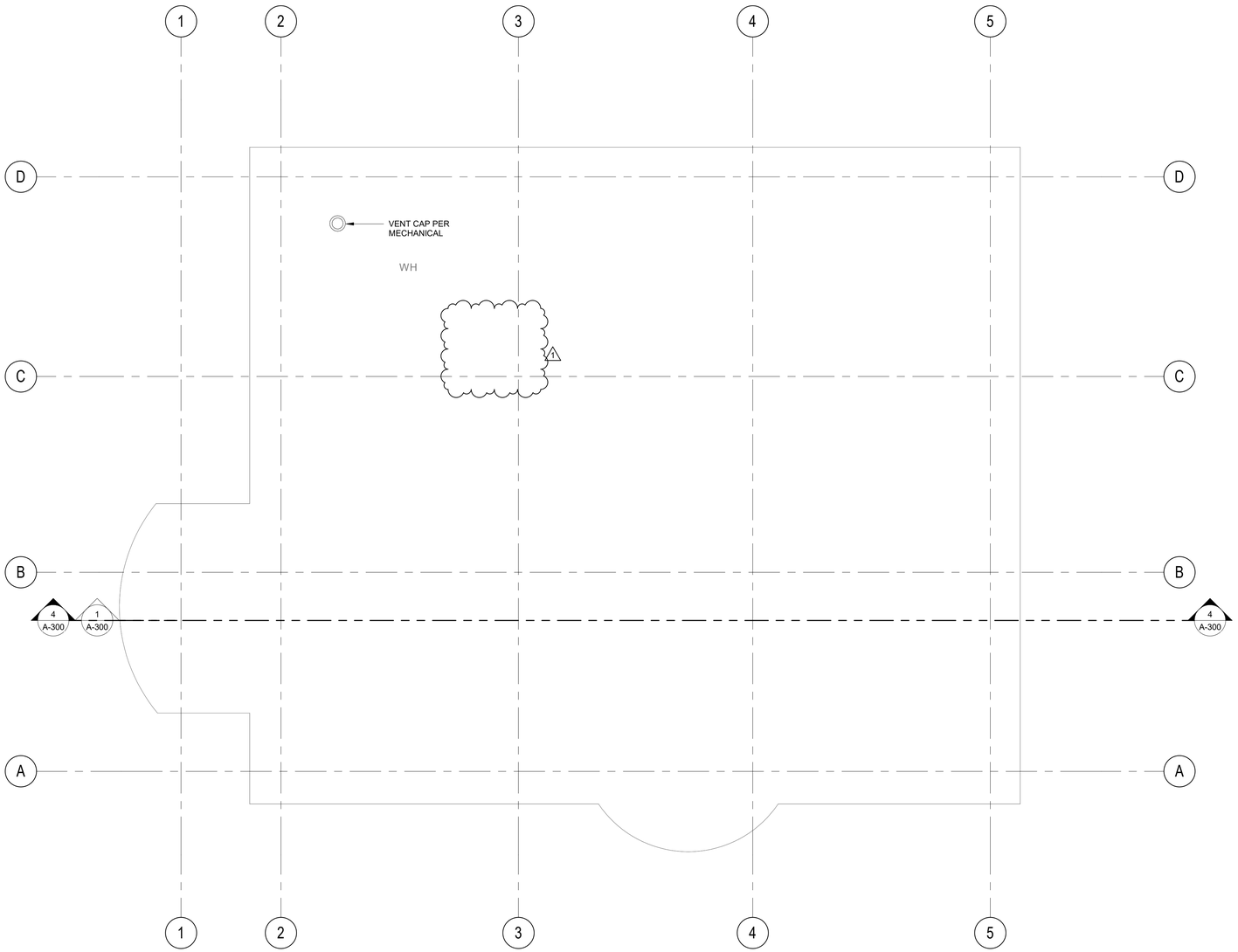
ROOF PLAN GENERAL NOTES

1. PROTECT ALL EXISTING ROOF ASSEMBLIES AND STRUCTURES TO REMAIN FROM DAMAGE DURING INSTALLATION OF MECHANICAL WORK, AND CONSTRUCTION OF NEW ELEMENTS.
2. REFER TO MECHANICAL DRAWINGS FOR SIZING AND CONFIGURATION OF ALL DUCTS AND PIPES PENETRATING EXISTING ASSEMBLIES.



1 ROOF PLAN
1/8" = 1'-0"

0 4 8 16 NORTH
SCALE: 1/8" = 1'-0"

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ROOF PLAN

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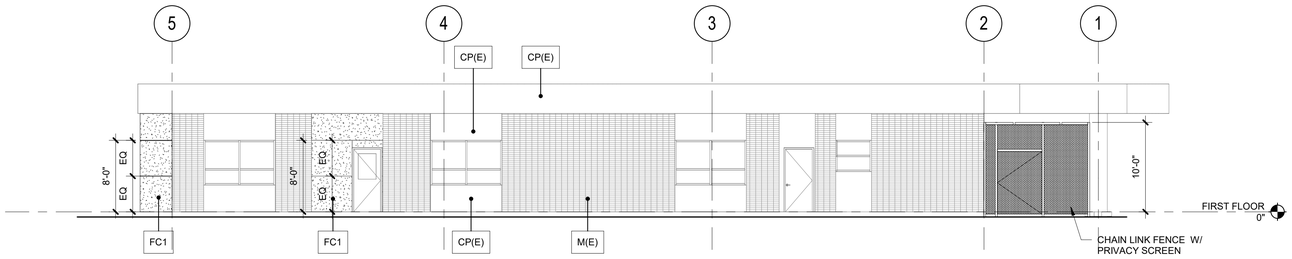
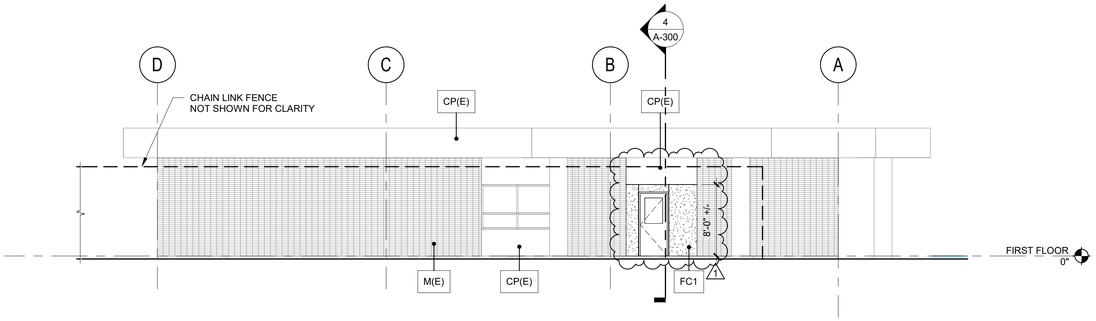


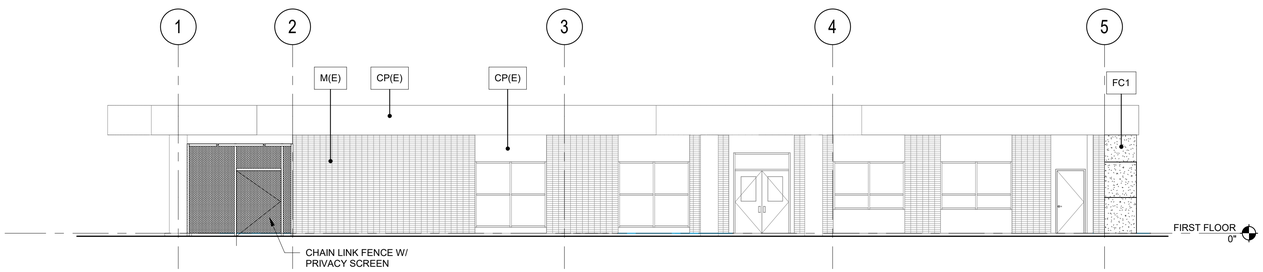
4 EXTERIOR ELEVATION - EAST

1/8" = 1'-0"



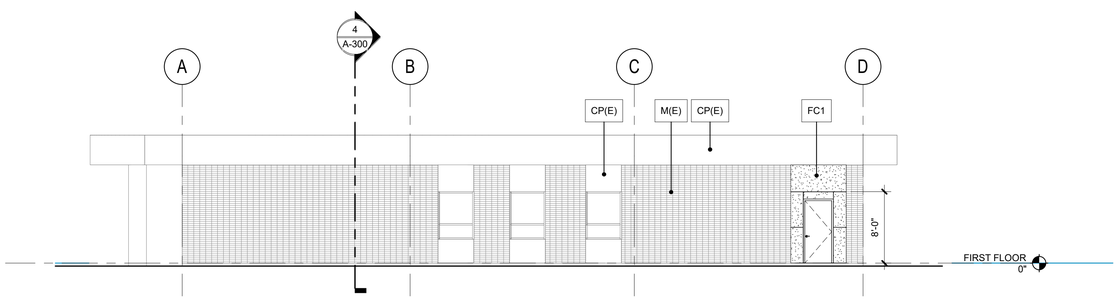
3 EXTERIOR ELEVATION - NORTH

1/8" = 1'-0"



2 EXTERIOR ELEVATION - WEST

1/8" = 1'-0"



1 EXTERIOR ELEVATION - SOUTH

1/8" = 1'-0"

0 4 8 16

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

EXTERIOR ELEVATION LEGEND

A1 — EXTERIOR MATERIAL TAG
COLOR DESIGNATION
MATERIAL DESIGNATION

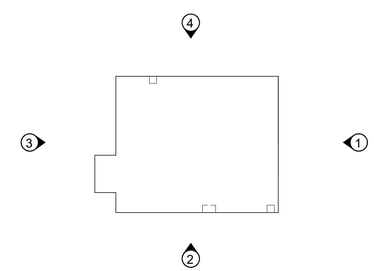
MATERIAL DESIGNATIONS

FC FIBER CEMENT PANEL SIDING
M BRICK VENEER
CP CEMENT PLASTER

EXTERIOR FINISH SCHEDULE

ITEM	MATERIAL	FINISH	REMARKS / COLOR
FIBER CEMENT PANEL SIDING (FC-1)	FIBER CEMENT	FIELD PAINT	COLOR: MATCH EXISTING CEMENT PLASTER

KEY PLAN



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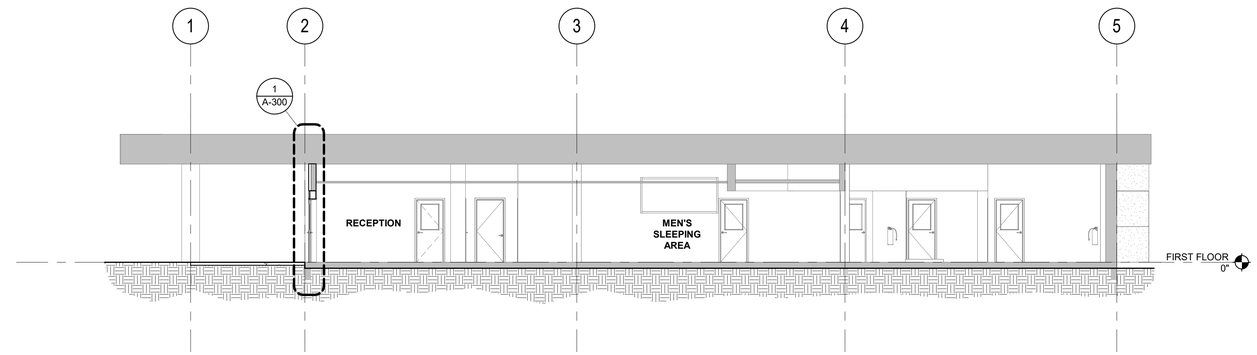
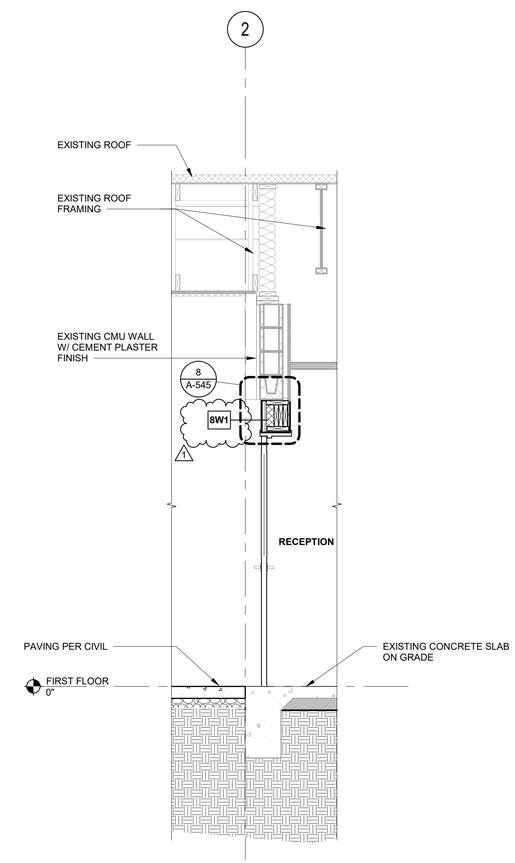


4 BUILDING SECTION - LOOKING EAST
1/8" = 1'-0"

0 4 8 16
SCALE: 1/8" = 1'-0"



1 WALL SECTION
1/2" = 1'-0"

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

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BUILDING SECTION/
WALL SECTIONS

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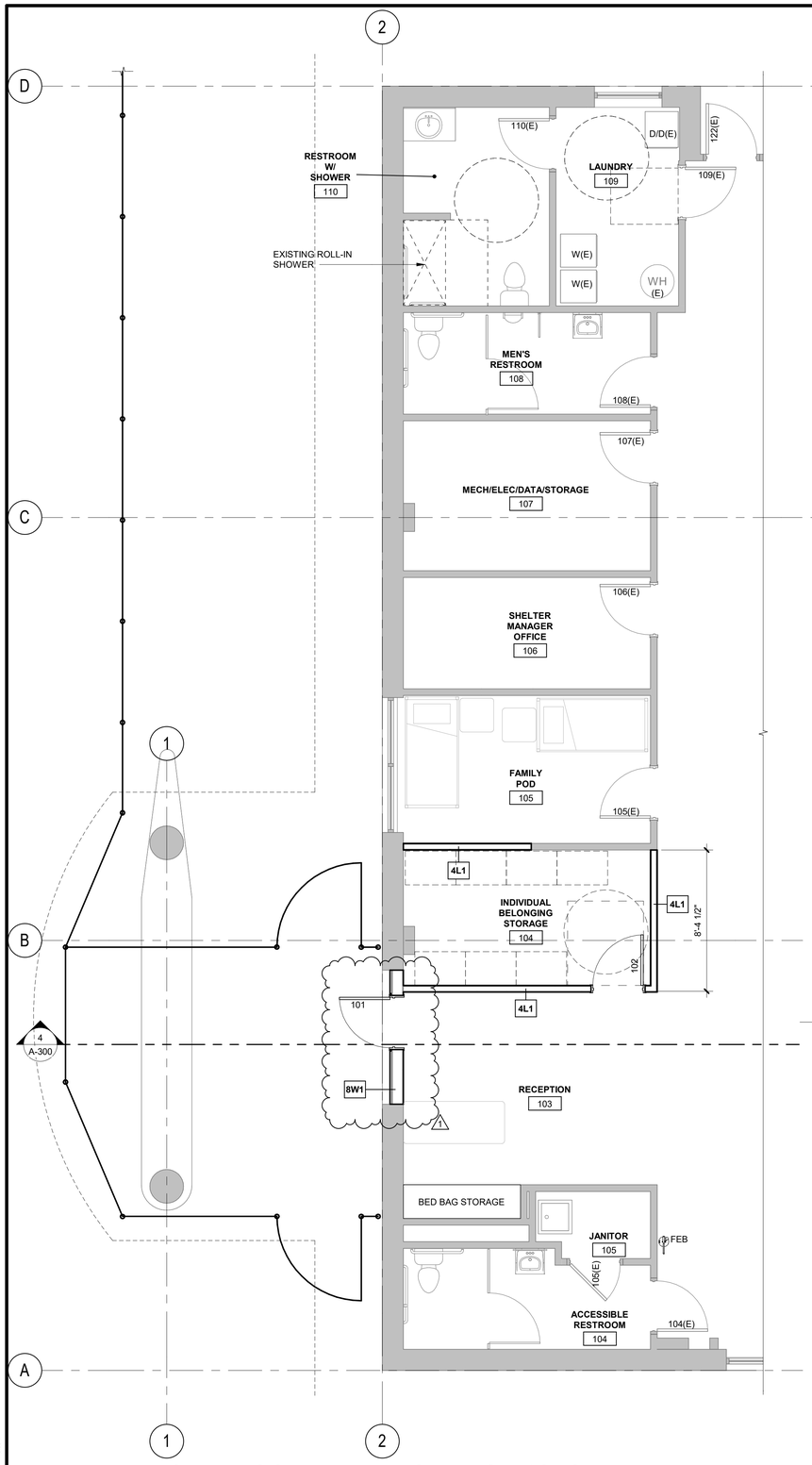
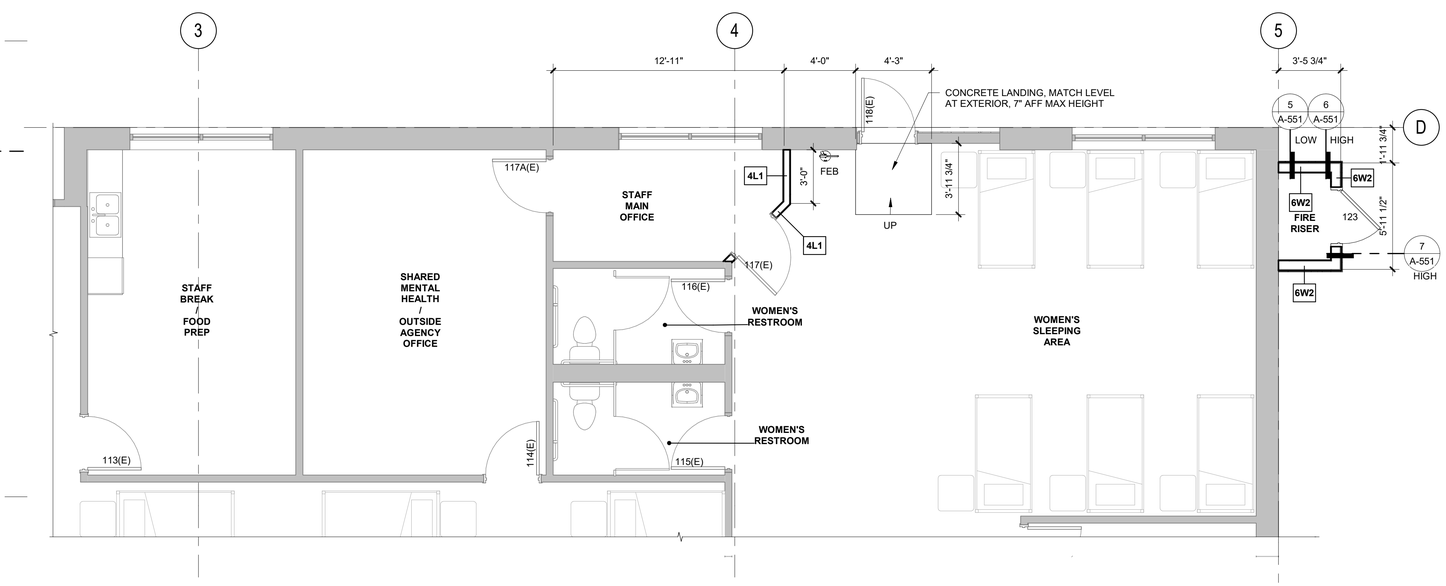


2 ENLARGED FLOOR PLAN - NORTH OFFICES, ENTRY

1/4" = 1'-0"



1 ENLARGED FLOOR PLAN - EAST OFFICES AND RESTROOMS

1/4" = 1'-0"

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

NORTH

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A-401

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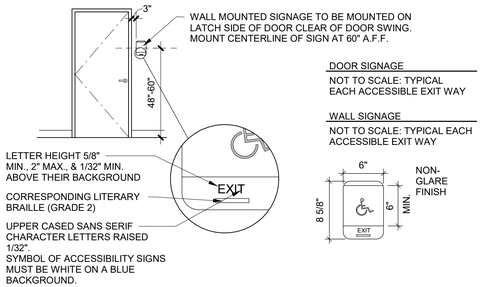


DOOR SIGNAGE

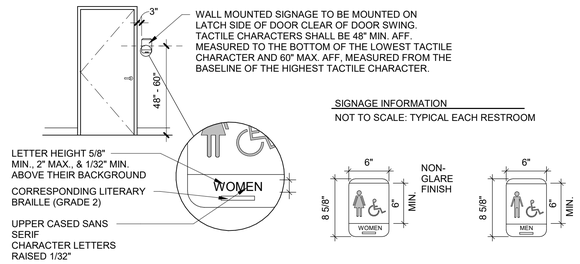
NOT TO SCALE: TYPICAL EACH ACCESSIBLE EXIT WAY

WALL SIGNAGE

NOT TO SCALE: TYPICAL EACH ACCESSIBLE EXIT WAY

4 ACCESSIBLE EXIT SIGNAGE

1/4" = 1'-0"

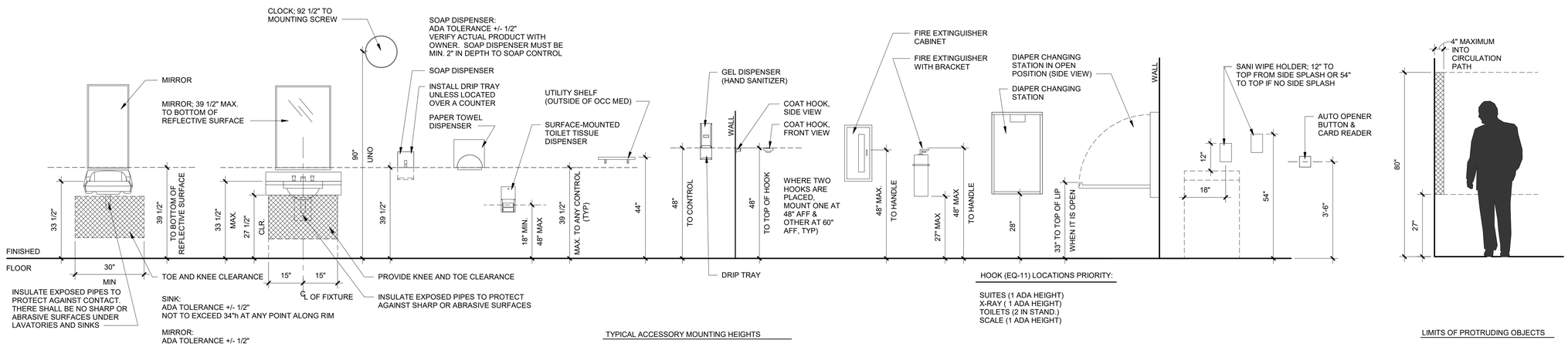


SIGNAGE INFORMATION

NOT TO SCALE: TYPICAL EACH RESTROOM

3 RESTROOM SIGNAGE

1/4" = 1'-0"



TYPICAL ACCESSORY MOUNTING HEIGHTS

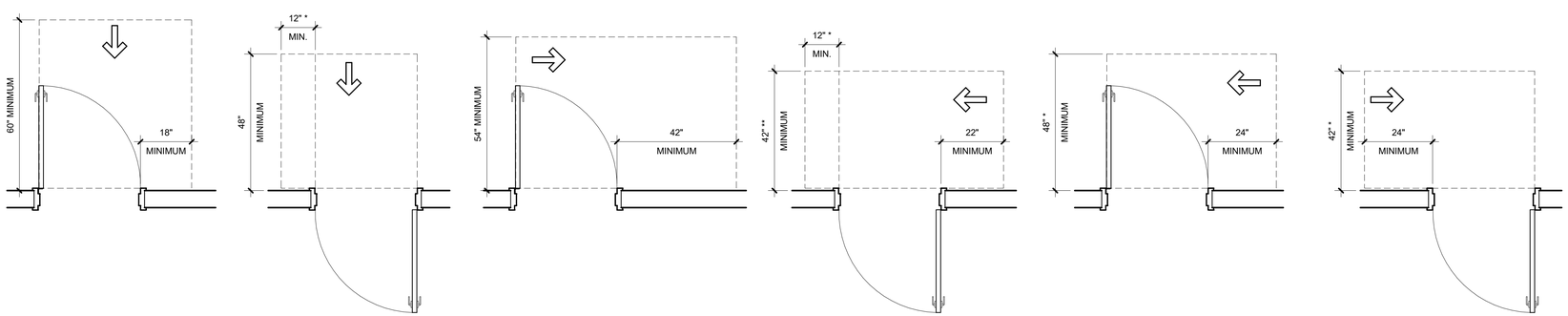
HOOK (EQ-11) LOCATIONS PRIORITY:

SUITES (1 ADA HEIGHT)
X-RAY (1 ADA HEIGHT)
TOILETS (2 IN STAND.)
SCALE (1 ADA HEIGHT)

LIMITS OF PROTRUDING OBJECTS

2 TYPICAL ACCESSIBLE MOUNTING HEIGHTS, LOCATIONS AND CLEARANCES

1/2" = 1'-0"



ACCESSIBLE ROUTES FRONT APPROACH, PULL-SIDE

* IF BOTH CLOSER AND LATCH ARE PROVIDED

ACCESSIBLE ROUTES FRONT APPROACH, PUSH-SIDE

ACCESSIBLE ROUTES HINGE APPROACH, PULL-SIDE

* IF BOTH CLOSER AND LATCH ARE PROVIDED
** 48" MININUM IF BOTH CLOSER AND LATCH PROVIDED

ACCESSIBLE ROUTES HINGE APPROACH, PUSH-SIDE

* 54 MIN. IF CLOSER IS PROVIDED

ACCESSIBLE ROUTES LATCH APPROACH, PULL-SIDE

* 48 MIN. IF CLOSER IS PROVIDED

ACCESSIBLE ROUTES LATCH APPROACH, PUSH-SIDE

1 DOOR MANEUVERING CLEARANCES

1/2" = 1'-0"

24A08 10/7/2024 11:18:33 AM

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9463 REGISTERED ARCHITECT JOSEPH PATRICK RYDMAN STATE OF WASHINGTON

PROJECT

NIGHT-BY-NIGHT PERMANENT SHELTER

LEWIS COUNTY PERMANENT SHELTER

2015 NE KRESKY AVE, CHEHALIS, WA

REVISIONS

DATE 10.4.2024

BCRA NO. 24032.00.00

DRAWN BY: Author

REVIEWED BY:

SHEET TITLE

STANDARD MOUNTING HEIGHTS AND CLEARANCES

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SHEET

A-501

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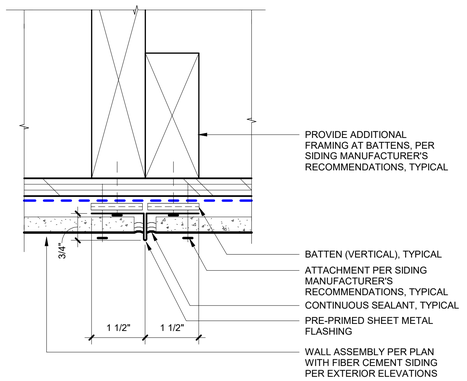
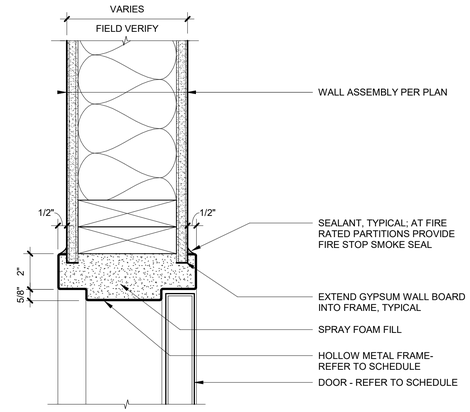
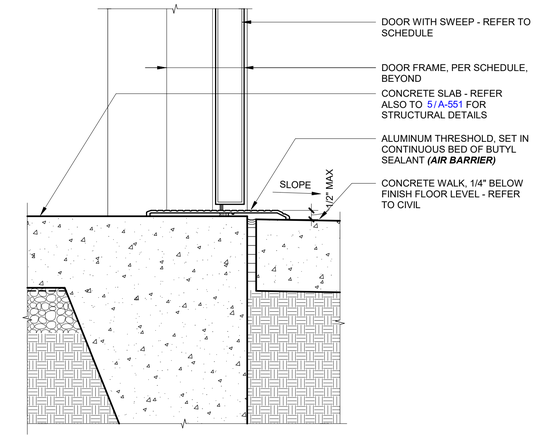


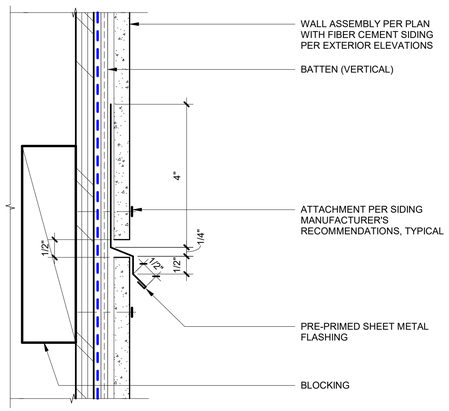
12 TYPICAL VERTICAL TRIM AT FC PANEL
6" = 1'-0"



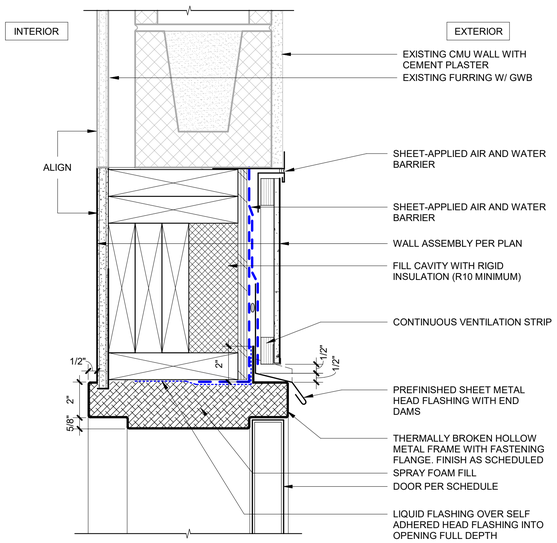
6 TYP INTERIOR HM DOOR HEAD
3" = 1'-0"



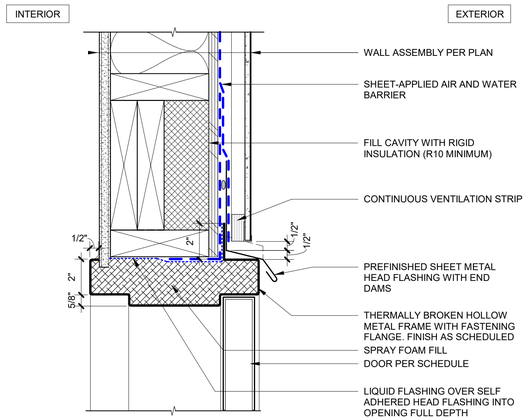
3 THRESHOLD AT EXTERIOR DOOR
3" = 1'-0"



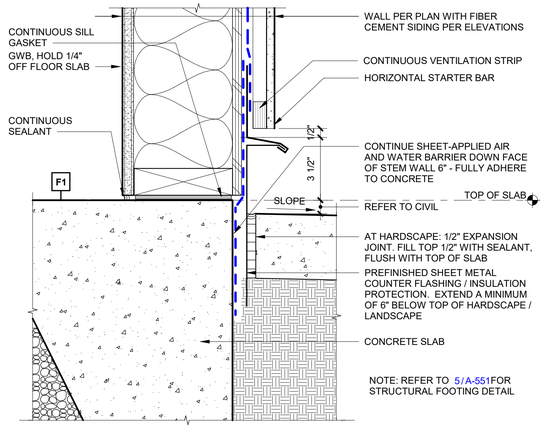
11 TYPICAL HORIZONTAL TRIMAT FC PANEL
6" = 1'-0"



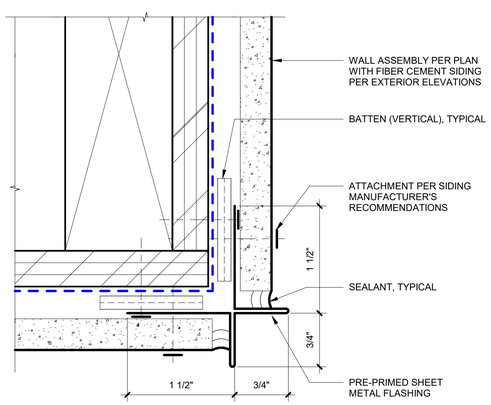
8 HM DOOR HEAD AT FIBER CEMENT
3" = 1'-0"



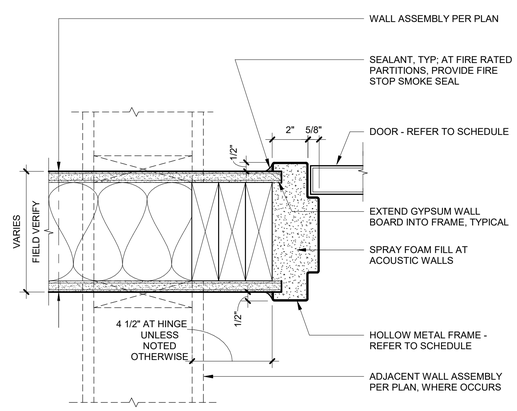
5 HM DOOR HEAD AT FIBER CEMENT
3" = 1'-0"



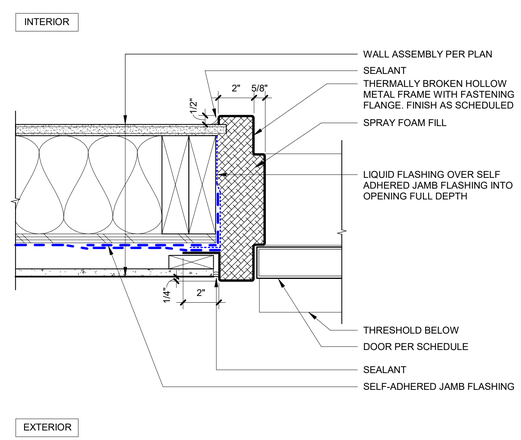
2 AIR BARRIER TRANSITION AT SILL
3" = 1'-0"



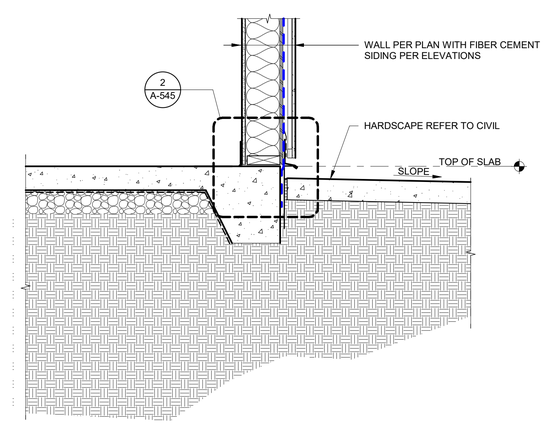
10 TYPICAL OUTSIDE CORNER AT FC PANEL
12" = 1'-0"



7 TYP INTERIOR HM DOOR JAMB
3" = 1'-0"



4 HM DOOR JAMB AT FIBER CEMENT
3" = 1'-0"



NOTE: REFER TO 5/A-551 FOR STRUCTURAL FOOTING DETAIL

1 FOUNDATION AT FC PANEL SIDING
1" = 1'-0"

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STATE OF WASHINGTON

PROJECT
NIGHT-BY-NIGHT PERMANENT SHELTER
LEWIS COUNTY PERMANENT SHELTER
2015 NE KRESKY AVE, CHEHALIS, WA

REVISIONS

1	REVISION 1	10.4.2024

DATE
10.4.2024
BCRA NO.
24032.00.00
DRAWN BY:
REVIEWED BY:
SHEET TITLE
EXTERIOR DETAILS, INTERIOR HM FRAME DOOR DETAILS

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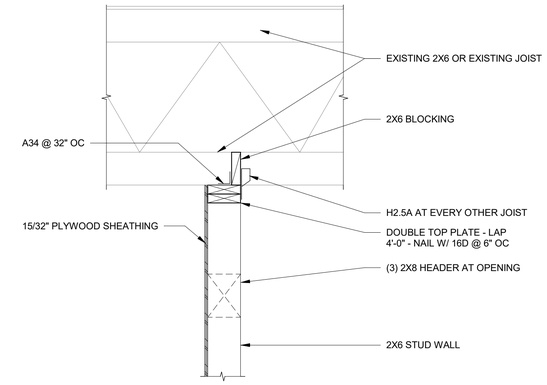
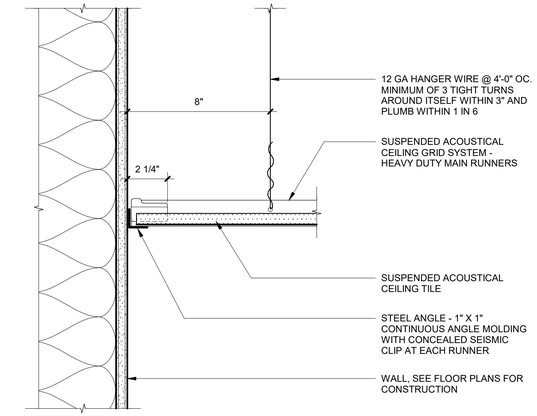
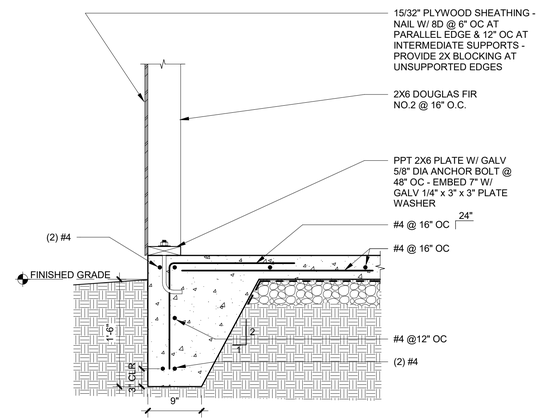


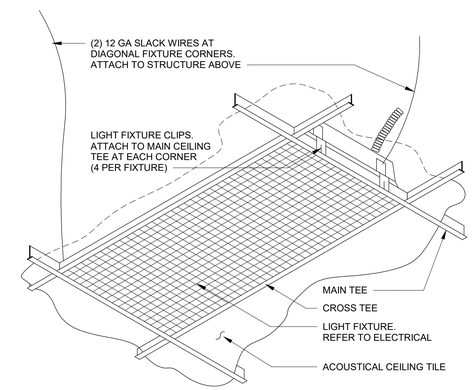
6 STUD WALL PERPENDICULAR TO ROOF JOISTS
1" = 1'-0"



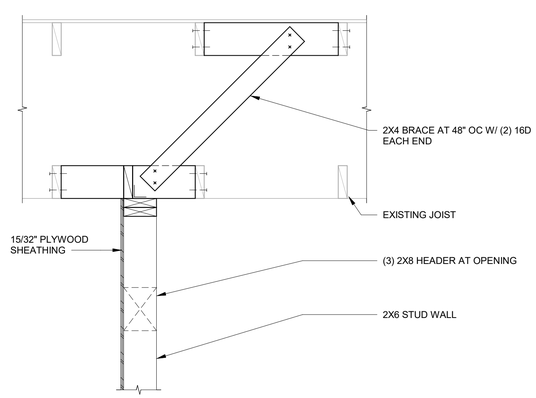
3 SUSPENDED ACT CEILING PERIMETER
3" = 1'-0"



5 WALL FOOTING AT SLAB
1" = 1'-0"



2 LIGHT FIXTURE SEISMIC FASTENING
3" = 1'-0"



7 STUD WALL PARALLEL TO ROOF JOISTS
1" = 1'-0"

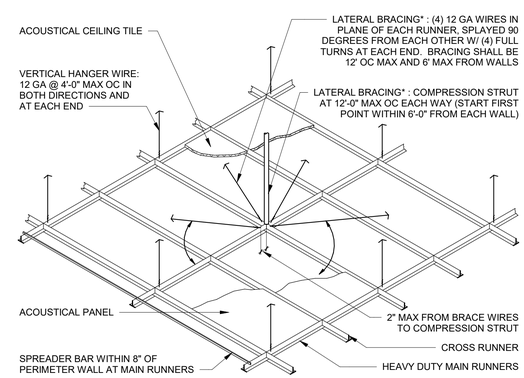
THE CEILING SUPPORT OPTION SELECTED BY THE CONTRACTOR FOR SUSPENDED GWB CEILINGS SHALL BE BIDDER DESIGNED AND CONFORM TO THE FOLLOWING PERFORMANCE REQUIREMENTS:

- MATCH CEILING CONFIGURATION / LAYOUT SHOWN ON THE DRAWINGS.
- FRAMING SHALL BE CONNECTED TO THE STRUCTURAL FLOOR AND ROOF ELEMENTS TO SUPPORT THE CEILING DEAD LOAD PLUS A 300 POUND CONCENTRATED LOAD APPLIED TO ANY LOCATION WITHOUT PERMANENT DEFLECTION OR FAILURE OF FRAMING SYSTEM.
- DEFLECTION OF FRAMING SHALL NOT EXCEED L/240.
- CEILING FRAMING SPACING AT A MAXIMUM OF 16" ON CENTER
- SELECT THE CEILING SUPPORT OPTION AS REQUIRED TO ACCOMMODATE AND WORK WITH THE LAYOUT OF THE MECHANICAL AND ELECTRICAL WORK ABOVE THE CEILING.

CEILING WALLS SHALL CONFORM TO THE FOLLOWING PERFORMANCE REQUIREMENTS:

- MATCH WALL CEILING CONFIGURATION / LAYOUT / TYPE SHOWN ON THE DRAWINGS.
- WALL FRAMING SHALL BE CONNECTED TO THE STRUCTURAL FLOOR AND ROOF ELEMENTS TO SUPPORT THE APPLIED DEAD LOADS PLUS A 300 POUND CONCENTRATED LOAD APPLIED TO ANY LOCATION WITHOUT PERMANENT DEFLECTION OR FAILURE OF FRAMING.
- DEFLECTION OF FRAMING SHALL NOT EXCEED L/240.
- CEILING WALL FRAMING SPACING AT A MAXIMUM OF 24" ON CENTER
- SECURELY BRACE WALLS UP TO STRUCTURAL FLOOR AND ROOF ELEMENTS ABOVE AT MAXIMUM SPACING OF 8'-0" TO PREVENT LATERAL MOVEMENT OF WALL. BRACING SHALL BE CONCEALED FROM VIEW. SELECT BRACING METHOD TO ACCOMMODATE AND WORK WITH MECHANICAL AND ELECTRICAL WORK.

4 CEILING SUPPORT PERFORMANCE REQUIREMENTS
3" = 1'-0"



* NOTE: LATERAL BRACING IS NOT REQUIRED FOR CEILINGS LESS THAN 1,000 SQUARE FEET PROVIDED THEY ARE SURROUNDED BY FOUR WALLS AND BRACED TO STRUCTURE.

1 SUSPENDED ACT CEILING BRACING
3" = 1'-0"

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STATE OF WASHINGTON

PROJECT
NIGHT-BY-NIGHT PERMANENT SHELTER
LEWIS COUNTY PERMANENT SHELTER
2015 NE KRESKY AVE, CHEHALIS, WA

REVISIONS

DATE
10.4.2024
BCRA NO.
24032.00.00
DRAWN BY:
REVIEWED BY:
SHEET TITLE
CEILING DETAILS, FOOTING & FRAMING DETAILS

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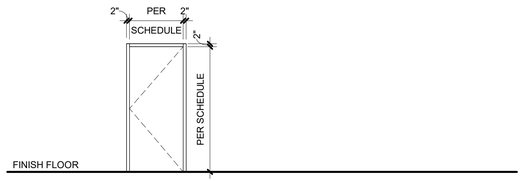
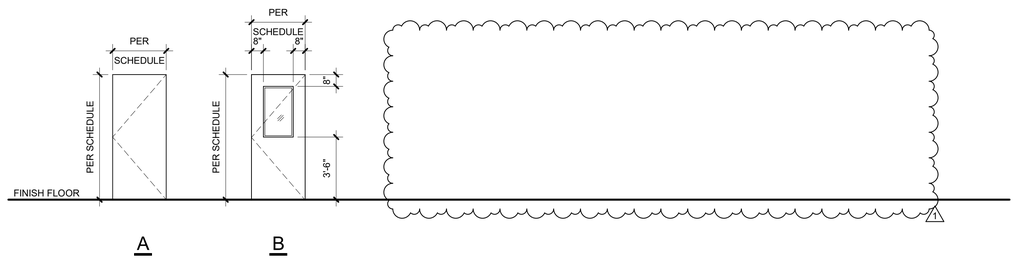


1

4 DOOR FRAME TYPES

1/4" = 1'-0"



A B

3 DOOR TYPES

1/4" = 1'-0"

STOREFRONT TYPES REMOVED FORM PROJECT 1

DOOR SCHEDULE

DOOR NUMBER	DOOR WIDTH	DOOR HEIGHT	DOOR DEPTH	DOOR TYPE	DOOR MATERIAL	DOOR FINISH	DOOR GLAZING	FRAME TYPE	FRAME MATERIAL	FRAME FINISH	DETAIL CALLOUT HEAD	DETAIL CALLOUT JAMB	DETAIL CALLOUT THRESHOLD	FIRE RATING LABEL	HARDWARE GROUP	REMARKS	DOOR NUMBER
101	3' - 0"	7' - 0"	1 3/4"	B	HM	PT	GL-1	1	HM	PT	8/A-545	4/A-545	3/A-545	--	OFCI	A,C	101
1 102	3' - 0"	7' - 0"	1 3/4"	B	HM	PT	GL-2	1	HM	PT	6/A-545	7/A-545	--	--	OFCI	--	102
104(E)	3' - 0"	7' - 0"	1 3/4"	(E)	(E)	(E)	(E)	(E)	(E)	(E)	--	--	--	--	(E)	--	104(E)
105(E)	3' - 0"	7' - 0"	1 3/4"	(E)	(E)	(E)	(E)	(E)	(E)	(E)	--	--	--	--	(E)	--	105(E)
105(E)	3' - 0"	7' - 0"	1 3/4"	(E)	(E)	(E)	(E)	(E)	(E)	(E)	--	--	--	--	(E)	--	105(E)
106(E)	3' - 0"	7' - 0"	1 3/4"	(E)	(E)	(E)	(E)	(E)	(E)	(E)	--	--	--	--	(E)	--	106(E)
107(E)	3' - 0"	7' - 0"	1 3/4"	(E)	(E)	(E)	(E)	(E)	(E)	(E)	--	--	--	--	(E)	--	107(E)
108(E)	3' - 0"	7' - 0"	1 3/4"	(E)	(E)	(E)	(E)	(E)	(E)	(E)	--	--	--	--	EX	--	108(E)
109(E)	3' - 0"	7' - 0"	1 3/4"	(E)	(E)	(E)	(E)	(E)	(E)	(E)	--	--	--	--	(E)	--	109(E)
110(E)	3' - 0"	7' - 0"	1 3/4"	(E)	(E)	(E)	(E)	(E)	(E)	(E)	--	--	--	--	(E)	--	110(E)
113(E)	3' - 0"	7' - 0"	1 3/4"	(E)	(E)	(E)	(E)	(E)	(E)	(E)	--	--	--	--	(E)	--	113(E)
114(E)	3' - 0"	7' - 0"	1 3/4"	(E)	(E)	(E)	(E)	(E)	(E)	(E)	--	--	--	--	(E)	--	114(E)
115(E)	3' - 0"	7' - 0"	1 3/4"	(E)	(E)	(E)	(E)	(E)	(E)	(E)	--	--	--	--	(E)	--	115(E)
116(E)	3' - 0"	7' - 0"	1 3/4"	(E)	(E)	(E)	(E)	(E)	(E)	(E)	--	--	--	--	(E)	--	116(E)
117(E)	3' - 0"	7' - 0"	1 3/4"	(E)	(E)	(E)	(E)	(E)	(E)	(E)	--	--	--	--	(E)	--	117(E)
117A(E)	3' - 0"	7' - 0"	1 3/4"	(E)	(E)	(E)	(E)	(E)	(E)	(E)	--	--	--	--	(E)	--	117A(E)
118(E)	3' - 0"	7' - 0"	1 3/4"	(E)	(E)	(E)	(E)	(E)	(E)	(E)	--	--	--	--	(E)	--	118(E)
119(E)	3' - 0"	7' - 0"	1 3/4"	(E)	(E)	(E)	(E)	(E)	(E)	(E)	--	--	--	--	(E)	--	119(E)
120(E)	3' - 0"	7' - 0"	1 3/4"	(E)	(E)	(E)	(E)	(E)	(E)	(E)	--	--	--	--	(E)	--	120(E)
121(E)	3' - 0"	7' - 0"	1 3/4"	(E)	(E)	(E)	(E)	(E)	(E)	(E)	--	--	--	--	(E)	--	121(E)
121A(E)	6' - 0"	7' - 0"	1 3/4"	(E)	(E)	(E)	(E)	(E)	(E)	(E)	--	--	--	--	(E)	--	121A(E)
122(E)	3' - 0"	7' - 0"	1 3/4"	(E)	(E)	(E)	(E)	(E)	(E)	(E)	--	--	--	--	(E)	F	122(E)
123	3' - 0"	7' - 0"	1 3/4"	A	HM	PT	-	1	HM	PT	5/A-545	4/A-545	3/A-545	--	OFCI	A	123

DOOR SCHEDULE GENERAL NOTES

1. FIELD VERIFY ALL DOOR/FRAME OPENING SIZES.
2. REFER TO A-502 FOR TYPICAL ADA CLEARANCE REQUIREMENTS AT DOORS.
3. PROVIDE BACKING IN FRAMING FOR ALL WALL-MOUNTED HARDWARE. REFER TO FRAMING SPECIFICATIONS FOR LOCATIONS AND REQUIREMENTS.

DOOR SCHEDULE REMARKS

A. EXTERIOR DOOR: PROVIDE INSULATED DOOR.
B. PAIR OF DOORS.
C. PROVIDE AUTOMATIC CLOSER.
D. PROVIDE PANIC HARDWARE.
E. PROVIDE KEY PAD LOCK WITH KEY OVERIDE
F. PROVIDE AUTOMATIC OPERATOR.

GLAZING TYPES

GL1 1" INSULATED TEMPERED GLASS
GL2 1/4" TEMPERED GLASS

DOOR SCHEDULE ABBREVIATIONS

AL ALUMINUM
(E) EXISTING
FF FACTORY FINISH
GL- GLAZING TYPE
HM HOLLOW METAL
OFCI OWNER FURNISHED, CONTRACTOR INSTALLED
PT PAINT
WD WOOD

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LEWIS COUNTY PERMANENT SHELTER
2015 NE KRESKY AVE, CHEHALIS, WA

REVISIONS
1 REVISION 1 10.4.2024

DATE 10.4.2024
BCRA NO. 24032.00.00
DRAWN BY:
REVIEWED BY:
SHEET TITLE
DOOR SCHEDULE, STOREFRONT SCHEDULE

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A-611
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24x36 10/7/2024 11:18:36 AM

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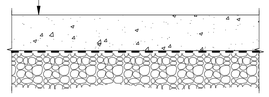
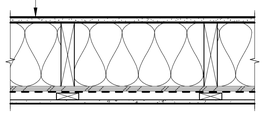
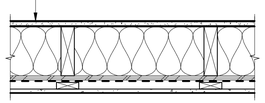
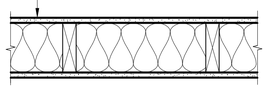
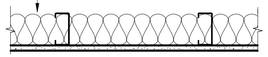
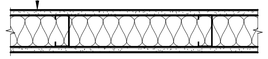
ASSEMBLY TYPE AND DESCRIPTION	ASSEMBLY COMPONENTS - PLAN VIEW	RATED ASSEMBLY REQUIREMENTS REFER TO G-201 FOR LOCATIONS OF WALLS REQUIRING FIRE-RATED CONSTRUCTION
F1 CONCRETE SLAB ON GRADE	4" CONCRETE SLAB ON GRADE PER PLAN UNDERSLAB VAPOR RETARDER 4" CAPILLARY BREAK  SCALE: 1 1/2" = 1'-0"	NOTE: SEAL CONCRETE FLOOR, OFCI
8W1 EXTERIOR 2X8 WOOD STUD WALL W/ FIBER CEMENT	(1) LAYER 5/8" TYPE 'X' GYPSUM BOARD 2X8 WOOD FRAMING @ 16" OC, W/ R-21 BATT INSULATION 1/2" PLYWOOD SHEATHING SHEET APPLIED AIR AND WATER BARRIER SYSTEM 3/4" RAINSCREEN BATTEN FURRING, ALIGN WITH FRAMING FIBER CEMENT SIDING INTERIOR  EXTERIOR SCALE: 1 1/2" = 1'-0"	
6W2 EXTERIOR 2X6 WOOD STUD WALL W/ FIBER CEMENT	(1) LAYER 5/8" TYPE 'X' GYPSUM BOARD 2X6 WOOD FRAMING @ 16" OC, W/ R-21 BATT INSULATION 1/2" PLYWOOD SHEATHING SHEET APPLIED AIR AND WATER BARRIER SYSTEM 3/4" RAINSCREEN BATTEN FURRING, ALIGN WITH FRAMING FIBER CEMENT SIDING INTERIOR  EXTERIOR SCALE: 1 1/2" = 1'-0"	

ASSEMBLY TYPE AND DESCRIPTION	ASSEMBLY COMPONENTS - PLAN VIEW	RATED ASSEMBLY REQUIREMENTS REFER TO G-201 FOR LOCATIONS OF WALLS REQUIRING FIRE-RATED CONSTRUCTION
6W1 INTERIOR 2X6 WOOD STUD WALL	(1) LAYER 5/8" TYPE 'X' GYPSUM BOARD 2X6 WOOD FRAMING @ 16" OC, W/ R-21 BATT INSULATION (1) LAYER 5/8" TYPE 'X' GYPSUM BOARD INTERIOR  INTERIOR SCALE: 1 1/2" = 1'-0"	
4L2 INTERIOR 4" METAL FRAMED WALL ASSEMBLY	3 5/8" METAL FRAMING @ 16" OC, WITH BATT INSULATION 5/8" TYPE 'X' GYPSUM BOARD INTERIOR  INTERIOR SCALE: 1 1/2" = 1'-0"	
4L1 INTERIOR 4" METAL FRAMED WALL ASSEMBLY	5/8" TYPE 'X' GYPSUM BOARD 3 5/8" METAL FRAMING @ 16" OC, WITH BATT INSULATION 5/8" TYPE 'X' GYPSUM BOARD INTERIOR  INTERIOR SCALE: 1 1/2" = 1'-0"	NOTE: INTERIOR PAINT AND RUBBER BASE TO MATCH EXISTING

INTERIOR WALL ASSEMBLY GENERAL NOTES

1. INSTALL GENERAL PURPOSE INTERIOR SEALANT AS SPECIFIED IN SECTION 07 9000 AT EXPOSED TO VIEW GAPS/CRACKS AROUND PENETRATIONS AND BETWEEN DISSIMILAR MATERIALS.

EXTERIOR WALL ASSEMBLY GENERAL NOTES

1. REFER ALSO TO STRUCTURAL FOR FRAMING MEMBER SIZING AND SPACING, SHEATHING REQUIREMENTS, AND ATTACHMENT REQUIREMENTS.
2. REFER TO EXTERIOR ELEVATIONS FOR VERTICAL AND HORIZONTAL TRANSITIONS. PROVIDE ADDITIONAL FRAMING MEMBERS AND BLOCKING AT TRANSITIONS AS REQUIRED TO MEET MANUFACTURER'S ATTACHMENT REQUIREMENTS.

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SEAL
9463 REGISTERED ARCHITECT
JOSEPH PATRICK RYDMAN
STATE OF WASHINGTON

PROJECT
NIGHT-BY-NIGHT PERMANENT SHELTER
LEWIS COUNTY PERMANENT SHELTER
2015 NE KRESKY AVE, CHEHALIS, WA

REVISIONS

1	REVISION 1	10.4.2024

DATE 10.4.2024
BCRA NO. 24032.00.00
DRAWN BY:
REVIEWED BY:
SHEET TITLE
INTERIOR WALL ASSEMBLY TYPES, EXTERIOR WALL ASSEMBLY TYPES, HORIZONTAL ASSEMBLIES, CEILING DETAILS

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MECHANICAL LEGEND

SYMBOL	DESCRIPTION
	SUPPLY AIR-DUCT UP
	EXHAUST/RETURN AIR - DUCT UP
	OUTSIDE AIR DUCT UP
	SUPPLY AIR - DUCT DOWN
	EXHAUST/RETURN AIR - DUCT DOWN
	OUTSIDE AIR DUCT DOWN
	DUCT UP (ROUND)
	DUCT DOWN (ROUND)
12/12 RR / 300 CFM	AIR TERMINAL SIZE, TYPE & CFM
12/12 DL	DOOR LOUVER W/ SIZE
	CEILING AIR TERMINAL - SQUARE
	FLEXIBLE DUCT
	VOLUME DAMPER (VD)
M	MOTORIZED DAMPER
	FIRE/SMOKE DAMPER (CFSD) - COMBINATION
	BACKDRAFT DAMPER (BDD)
	FLEXIBLE CONNECTION (DUCT)
	TURNING VANES (TV)
	POINT OF CONNECTION
T	ROOM TEMPERATURE SENSOR/THERMOSTAT
M.C.	MECHANICAL CONTRACTOR
E.C.	ELECTRICAL CONTRACTOR
(E)	EXISTING
G.C.	GENERAL CONTRACTOR

MECHANICAL SHEET LIST

SHEET NUMBER	SHEET TITLE
M0.1	MECHANICAL GENERAL NOTES AND LEGEND
M0.2	MECHANICAL SCHEDULES AND DETAILS
M2.1	MECHANICAL VENTILATION PLAN
M2.2	MECHANICAL REFLECTED CEILING PLAN
M3.1	MECHANICAL ROOF PLAN

MECHANICAL GENERAL NOTES

1. STANDARD CURRENT TRADE PRACTICES & METHODS APPLY TO THIS PROJECT. ALL WORK IS TO MEET REQUIREMENTS OF ALL CURRENT CODE & LOCAL JURISDICTIONAL REQUIREMENTS AND AMENDMENTS. THESE CODES INCLUDE BUT ARE NOT LIMITED TO WASHINGTON STATE ENERGY CODE, INTERNATIONAL MECHANICAL CODE, INTERNATIONAL BUILDING CODE, UNIFORM PLUMBING CODE, NFPA, INTERNATIONAL FIRE CODE, & LOCAL JURISDICTIONAL REQUIREMENTS. COMPLY WITH ALL MANUFACTURER'S REQUIREMENTS. COORDINATE WITH OWNER'S REPRESENTATIVE FOR ANY VARIANCES.
2. DRAWINGS ARE DIAGRAMMATIC ONLY & NOT INTENDED TO SHOW ALL DETAILS OF THE WORK. VERIFY LOCATION & MEASUREMENTS OF ALL ITEMS ON THE JOB SITE PRIOR TO INSTALLATION. CONTRACTOR SHALL PROVIDE ALL OFFSETS & ADDITIONAL DUCTWORK & PIPING AS NECESSARY TO AVOID STRUCTURAL ELEMENTS ON THE PROJECT. CONTRACTOR SHALL PRODUCE SHOP DRAWINGS & COORDINATE WITH OTHER TRADES. THERE SHALL BE NO ADDITIONAL COST TO THE OWNER FOR THIS COORDINATION OR FOR EXTRA MATERIAL REQUIRED IN ORDER TO ACCOMPLISH THIS TASK.
3. PROVIDE COMPLETE & FULLY-OPERATING SYSTEMS.
4. COORDINATE LOCATIONS OF ALL EQUIPMENT & APPURTENANCES WITH OTHER TRADES.
5. ALL EQUIPMENT SHALL BE REGULARLY CATALOGED ITEMS OF THE MANUFACTURER & SHALL BE SUPPLIED AS A COMPLETE UNIT IN ACCORDANCE WITH THE MANUFACTURER'S STANDARD SPECIFICATIONS. ANY OPTIONAL ITEMS REQUIRED FOR PROPER INSTALLATION SHALL BE INCLUDED UNLESS OTHERWISE NOTED.
6. ANY CUTTING, PATCHING & PAINTING OF BUILDING ELEMENTS & FINISHED SURFACES IS TO BE DONE BY THE GENERAL CONTRACTOR.
7. ALL APPLIANCES DESIGNED TO BE FIXED IN POSITION SHALL BE SECURELY FASTENED IN PLACE.
8. ALL EQUIPMENT SHALL BE LABELED PER PLANS & THE REQUIREMENTS OF THE SPECIFICATIONS.
9. RATING OF ACCESS DOORS AND/OR ACCESS PANELS THROUGH FIRE-RATED WALLS, SHAFTS, CEILINGS, ETC., MUST EQUAL THE FIRE RATING OF THE MATERIAL PENETRATED.
10. CAULK & FLASH ALL PENETRATIONS PER CODE.
11. ADJUSTING & BALANCING: ADJUST EACH PART OF SYSTEM TO ENSURE PROPER FUNCTIONING OF ALL CONTROLS & SPECIFIED AIR DISTRIBUTION. LEAVE ENTIRE SYSTEM IN OPERATING CONDITION.
12. PROVIDE OPERATING & MAINTENANCE MANUALS (O&MS), RECORD DRAWINGS, & OWNER TRAINING.
13. PROVIDE NATIONAL ELECTRICAL CODE (NEC) MINIMUM WORKING CLEARANCE IN FRONT OF ANY ELECTRICAL PANEL, INCLUDING PANELS ON EQUIPMENT. RE-ROUTE OR OFFSET PIPING AND/OR DUCTWORK AS REQUIRED.
14. PROVIDE COMMISSIONING OF THE HVAC SYSTEM. INCLUDE FUNCTIONAL TESTING SEQUENCE OF OPERATION & TEST PROCEDURES PER WASHINGTON STATE ENERGY CODE. SEE SPECIFICATIONS FOR SPECIFIC EQUIPMENT TESTING REQUIREMENTS. ITEMS TO BE COMMISSIONED ARE: CONTROL SYSTEMS, EXHAUST FAN. AIR SHALL BE BALANCED SO AS TO FIRST MINIMIZE THROTTLING LOSSES, THEN ADJUSTED TO MEET DESIGN FLOW CONDITIONS. PROVIDE PRELIMINARY AND FINAL COMMISSIONING REPORTS. SUBMIT FIGURE C408.1.4.1 COMPLIANCE CHECKLIST FROM WASHINGTON STATE ENERGY CODE TO AUTHORITY HAVING JURISDICTION UPON COMPLETION OF PRELIMINARY COMMISSIONING REPORT. PROVIDE CLOSEOUT DOCUMENTS IN COMPLIANCE WITH C103.6
15. PROVIDE AIR SYSTEM BALANCING DEVICES VOLUME DAMPERS, ON TERMINALS AS SHOWN ON PLANS. TEST AND BALANCE ALL SYSTEMS.
16. EQUIPMENT, DIFFUSERS, & GRILLES SHALL BE COORDINATED WITH PLACEMENT OF LIGHT FIXTURES.
17. VENTILATION SHALL BE PROVIDED PER IMC CHAPTER 4 MECHANICALLY VENTILATED SYSTEMS SHALL BE CAPABLE OF REDUCING THE OUTDOOR AIR SUPPLY TO THE MINIMUM REQUIRED BY CHAPTER 4 OF THE IMC.
18. SEAL & TEST ALL DUCTWORK AS REQUIRED PER IMC, WSEC C403.10.2 LEAKAGE REQUIREMENTS, & IBC VAPOR RETARDER REQUIREMENTS. DUCTWORK DESIGN PRESSURE IS 2".
19. ALL SHEET METAL DUCTWORK SHALL BE INSULATED IN ACCORDANCE WITH THE WASHINGTON STATE ENERGY CODE. CONCEALED DUCTWORK LOCATED WITHIN THE CONDITIONED SPACE SHALL BE INSULATED WITH A MINIMUM OF R-3.3. DUCTWORK LOCATED IN UNCONDITIONED SPACES SHALL BE INSULATED WITH A MINIMUM OF R-6. WHERE LOCATED OUTSIDE OF THE BUILDING (OUTDOORS AND EXPOSED TO WEATHER), DUCTWORK SHALL BE INSULATED WITH A MINIMUM OF R-8.
20. ALL SHEET METAL PRODUCTS SHALL COMPLY WITH SMACNA DUCT CONSTRUCTION STANDARDS, CURRENT EDITION.
21. ALL RECTANGULAR DUCTWORK SIZES SHOWN ARE GALVANIZED SHEET METAL UNLESS NOTED OTHERWISE. ROUND DUCT SHALL BE SHEET METAL. PROVIDE TURNING VANES IN ALL ROUND 2-PIECE AND RECTANGULAR 90 DEGREE ELBOWS.
22. ALL DUCT SIZES SHOWN ARE CLEAR INSIDE DIMENSIONS.
23. WHERE FLEXIBLE DUCT IS SHOWN AT GRILLES, REGISTERS, AND DIFFUSERS, PROVIDE 6' MAXIMUM LENGTH OF FLEXIBLE DUCT.
24. PROVIDE FLEXIBLE CONNECTORS AT DUCT CONNECTIONS TO ALL AIR HANDLING EQUIPMENT.
25. SUPPORT FOR SUSPENDED EQUIPMENT SHALL INCLUDE APPURTENANCES AS NOTED IN ASHRAE AND REQUIRED IN CODE FOR SEISMIC/SWAY BRACING.
26. PROVIDE VOLUME DAMPERS AT ALL GRILLES, REGISTERS, & DIFFUSERS IN ADDITION TO OPPOSED BLADE DAMPERS.
27. PROVIDE PRELIMINARY BALANCE REPORT SHOWING THE AIRFLOW FOR ALL EXISTING DIFFUSERS PRIOR TO START OF CONSTRUCTION.

TABLE C403.10.1.1 OUTDOOR AIR DUCTWORK INSULATION

DUCT SYSTEM	DUCT LOCATION AND USE	CLIMATE ZONE	AIR FLOW	MINIMUM INSTALLED DUCT INSULATION R-VALUE a, b	NOTES
OUTDOOR AIR	INSIDE CONDITIONED SPACE AND UPSTREAM OF AUTOMATIC SHUTOFF DAMPER	4C AND 5B	≥ 2800 CFM	R-16	SEE SECTION C403.10.1.1 FOR ADDITIONAL REQUIREMENTS
OUTDOOR AIR	INSIDE CONDITIONED SPACE AND DOWNSTREAM OF AUTOMATIC SHUTOFF DAMPER TO HVAC UNIT OR ROOM	4C	≥ 2800 CFM	R-8	
OUTDOOR AIR	INSIDE CONDITIONED SPACE AND DOWNSTREAM OF AUTOMATIC SHUTOFF DAMPER	5B	≥ 2800 CFM	R-12	
OUTDOOR AIR	INSIDE CONDITIONED SPACE	4C AND 5B	≤ 2800 CFM	R-7	SEE EXCEPTION 1 TO SECTION C403.10.1.1 FOR ADDITIONAL DETAILS

TABLE C403.10.1.2 SUPPLY, RETURN, EXHAUST AND RELIEF AIR DUCTWORK INSULATION

DUCT SYSTEM	DUCT LOCATION AND USE	CLIMATE ZONE	MINIMUM INSTALLED DUCT INSULATION R-VALUE a, b	NOTES
SUPPLY AIR OR RETURN AIR	OUTSIDE THE BUILDING (OUTDOORS AND EXPOSED TO WEATHER) c	4C	R-8	SEE SECTION C403.10.1.2 FOR DETAILS
SUPPLY AIR OR RETURN AIR	OUTSIDE THE BUILDING (OUTDOORS AND EXPOSED TO WEATHER) c	5B	R-12	SEE SECTION C403.10.1.2 FOR DETAILS
SUPPLY AIR OR RETURN AIR	UNCONDITIONED SPACE (ENCLOSED BUT NOT IN THE BUILDING CONDITIONED ENVELOP)	4C AND 5B	R-6	SEE SECTION C403.10.1.2 FOR DETAILS
SUPPLY AIR OR RETURN AIR	UNCONDITIONED SPACE WHERE THE DUCT CONVEYS AIR THAT IS WITHIN 15° F OF THE AIR TEMPERATURE OF THE SURROUNDING UNCONDITIONED SPACE	4C AND 5B	R-3.3	SEE IMC SECTION 603.12 FOR ADDITIONAL REQUIREMENTS FOR CONDENSATION CONTROL AT DUCTWORK
SUPPLY AIR OR RETURN AIR	WHERE LOCATED IN A BUILDING ENVELOPE ASSEMBLY	4C AND 5B	R-16	DUCT OR PLENUM IS SEPARATED FROM BUILDING ENVELOPE ASSEMBLY WITH THE MINIMUM INSULATION VALUE
SUPPLY AIR	WITHIN CONDITIONED SPACE WHERE THE SUPPLY DUCT CONVEYS AIR THAT IS LESS THAN 55° F OR GREATER THAN 105° F	4C AND 5B	R-3.3	SEE SECTION C403.10.1.2 FOR DETAILS
SUPPLY AIR	WITHIN CONDITIONED SPACE THAT THE DUCT DIRECTLY SERVES WHERE THE SUPPLY DUCT CONVEYS AIR THAT IS LESS THAN 55° F OR GREATER THAN 105° F	4C AND 5B	NONE	SEE SECTION C403.10.1.2 FOR DETAILS
SUPPLY AIR	WITHIN CONDITIONED SPACE WHERE THE SUPPLY DUCT CONVEYS AIR THAT IS LESS THAN 55° F OR GREATER THAN 105° F OR LESS	4C AND 5B	NONE	
RETURN OR EXHAUST AIR	WITHIN CONDITIONED SPACE DOWNSTREAM OF AN ENERGY RECOVERY MEDIA, UPSTREAM OF AN AUTOMATIC SHUTOFF DAMPER	4C	R-8	
RETURN OR EXHAUST AIR	WITHIN CONDITIONED SPACE DOWNSTREAM OF AN ENERGY RECOVERY MEDIA, UPSTREAM OF AN AUTOMATIC SHUTOFF DAMPER	5B	R-12	
RELIEF OR EXHAUST AIR	CONDITIONED SPACE DOWNSTREAM OF AN AUTOMATIC SHUTOFF DAMPER	4C AND 5B	R-16	

a. INSULATION R-VALUES, MEASURED IN h.ft2.° F/Btu. ARE FOR THE INSULATION AS INSTALLED AND DO NOT INCLUDE FILM RESISTANCE. THE REQUIRED MINIMUM THICKNESS DO NOT CONSIDER WATER VAPOR TRANSMISSION AND POSSIBLE SURFACE CONDENSATION. INSULATION RESISTANCE MEASURED ON A HORIZONTAL PLANE IN ACCORDANCE WITH ASTM C518 AT A MEAN TEMPERATURE OF 75° F AT THE INSTALLED THICKNESS.
b. SEE INTERNATIONAL MECHANICAL CODE SECTIONS 603.12 AND 604 FOR FURTHER DETAILS ON DUCT INSULATION REQUIREMENTS.
c. INCLUDES ATTICS ABOVE INSULATED CEILINGS. PARKING GARAGES AND CRAWL SPACES.

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10/04/2024

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PROJECT
NIGHT-BY-NIGHT PERMANENT SHELTER
LEWIS COUNTY PERMANENT SHELTER
2015 NE KRESKY AVE, CHEHALIS, WA

REVISIONS

DATE 10.04.2024
BCRA NO. 24032.00.00
DRAWN BY: HT
REVIEWED BY: DMM
SHEET TITLE MECHANICAL GENERAL NOTES AND LEGEND

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SHEET
M0.1

PROJECT STATUS

IF SHEET MEASURES LESS THAN 24"X36", IT IS A REDUCED PRINT. REDUCE SCALE ACCORDINGLY

24x36 6/18/2024 9:30:52 AM

EXHAUST FAN SCHEDULE

UNIT NO	MANUFACTURER	MODEL	AREA SERVED	TYPE	PERFORMANCE				POWER CONNECTION		BACKDRAFT DAMPER	STARTER BY E.C.	DISCONNECT BY E.C.	WEIGHT (POUNDS)	NOTES
					CFM	ESP (IN)	RPM	SONES	WATT	VOLT/PH					
EF-1	GREENHECK	SP-A50-90-VG	LAUNDRY ROOM	CEILING	75	0.667	887	2.5	6	115/1	✓	✓	✓	15	1, 2, 3

1. PROVIDE ECM MOTOR.
2. PROVIDE WITH WALL SWITCH.
3. PROVIDE WITH ROOF CAP AND ROOF CURB.

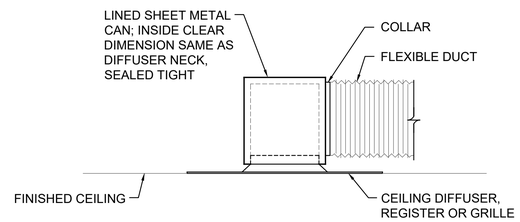
MINIMUM OUTSIDE AIR VENTILATION REQUIRED

SPACES	SQFT	PEOPLE	OSA/ PERSON	OSA/SF	OSA CFM	PLUMBING FIXTURE	EXHAUST CFM	OSA CFM PROVIDED
STAFF RESTROOM W/ SHOWER	100	0	0	0	0	2	100	75
LAUNDRY	85	1	5	0.12	15		75	15
MEN'S RESTROOM	90	0	0	0	0	2	100	75
BACK DOOR HALLWAY	100	1	5	0.06	11		0	75
STAFF BREAK/FOOD PREP	215	5.375	5	0.06	40		65	65
SHARED MENTAL HEALTH/OUTSIDE AGENCY OFFICE	250	1.25	5	0.06	21			25
STAFF MAIN OFFICE	75	1	5	0.06	10			15
WOMEN'S RESTROOM	50	0	0	0	0	1	50	0
WOMEN'S RESTROOM	50	0	0	0	0	1	50	0
WOMENE'S SLEEPING AREA	590	6	5	0.06	65			65
FAMILY POD	130	2	5	0.06	18			20
FAMILY UNIT 122 RESTROOM	130	2	5	0.06	18			20
MEN'S SLEEPING AREA	2700	24	5	0.06	282			285
MEN'S SEATED AREA	930	48	5	0.06	296			300
MECH/ELEC/DATA/STORAGE	130	0	0	0.12	16			20
SHELTER MANAER OFFICE	96	2	5	0.06	16			20
FAMILY POD	130	2	5	0.06	18			20
INDIVIDUAL BELONGING STORAAGE	120	0	0	0.12	14			15
RECEPTION	195	6	5	0.06	42			45
JANITOR	25	0	0	0	0		25	0
ACCESSIBLE RESTROOM	85	0	0	0	0	1	50	0
ENTRY	130	2	5	0.06	18			20
BIKE STORAGE	95	0	0	0.12	11			15
							TOTAL OSA	1190

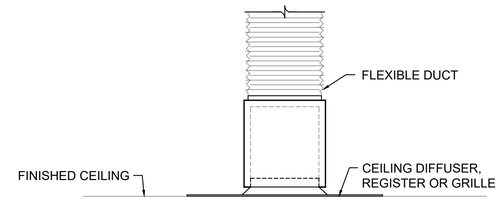
VENTILATION NOTES:
REVISE MINIMUM OUTSIDE AIR DAMPER POSITION FOR EXISTING ROOFTOP UNITS TO COMPLY WITH VENTILATION SCHEDULE ABOVE.

AIR TERMINAL SCHEDULE

SYMBOL	AIR TERMINAL - SIZES AS NOTED ON PLANS
CD-*	CEILING DIFFUSER: TITUS MODEL TDCA ADJUSTABLE DIFFUSER FOR INSTALLATION IN T-BAR CEILINGS. PROVIDE 24x12 OR 24x24 PANS AS REQUIRED TO SUIT CEILING PANELS. MANUFACTURER'S STANDARD OFF-WHITE FINISH. INCLUDE OPPOSED-BLADE VOLUME DAMPER. "*" INDICATES THROW PATTERN.
CDH-*	CEILING DIFFUSER: TITUS MODEL TDCA ADJUSTABLE DIFFUSER FOR HARD CEILING APPLICATION. FURNISH WITH STANDARD FLANGE FRAME. MANUFACTURER'S STANDARD OFF-WHITE FINISH. INCLUDE OPPOSED-BLADE VOLUME DAMPER. "*" INDICATES THROW PATTERN.
CRR	CEILING RETURN REGISTER: TITUS MODEL 50-F FOR INSTALLATION IN T-BAR CEILINGS. PROVIDE 24x12 OR 24x24 PANS AS REQUIRED TO SUIT CEILING PANELS. MANUFACTURER'S STANDARD OFF-WHITE FINISH. PAINT DUCT MATTE BLACK BEHIND GRILLE.
TG	TRANSFER GRILLE: TITUS MODEL 50-F 1/2"x1/2"x1/2" EGGCRATE GRILLE FOR INSTALLATION IN HARD CEILINGS. MANUFACTURER'S STANDARD OFF-WHITE FINISH. PAINT DUCT MATTE BLACK BEHIND GRILLE.
TGH	TRANSFER GRILLE: TITUS MODEL 50-F 1/2"x1/2"x1/2" EGGCRATE GRILLE FOR HARD CEILINGS. MANUFACTURER'S STANDARD OFF-WHITE FINISH. PAINT DUCT MATTE BLACK BEHIND GRILLE.
RC	ROOF CAP: GREENHECK SPUN ALUMINUM MODEL GRSI, GRSR

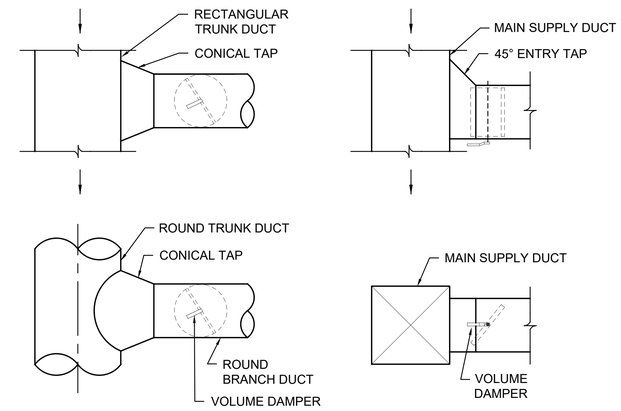


NOTE: ONLY USE THIS TYPE OF CONNECTION IN CONSTRICTED CEILING SPACES



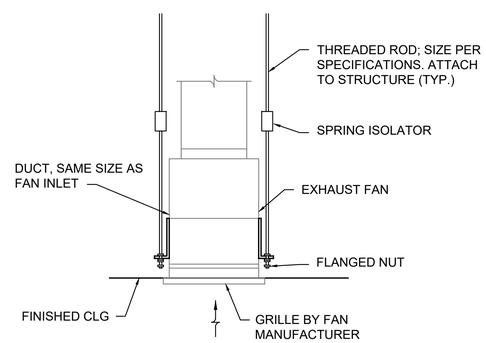
NOTE: USE THIS TYPE OF CONNECTION WHERE THERE IS ENOUGH CEILING SPACE TO KEEP KINKS OUT OF FLEXIBLE DUCT

1 M0.2 SUPPLY/RETURN AIR CAN CONNECTION
SCALE: NTS

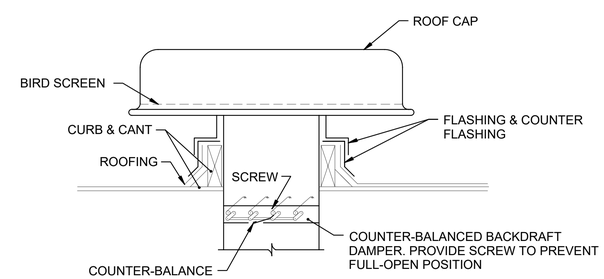


NOTES:
1. FOLLOW SMACNA DUCT CONSTRUCTION STANDARDS.
2. ALL BRANCH DUCTS ARE TO HAVE VOLUME DAMPERS.

2 M0.2 BRANCH CONNECTION
SCALE: NTS



3 M0.2 CEILING FAN MOUNTING DETAIL
SCALE: NTS



4 M0.2 ROOF CAP DETAIL
SCALE: NTS

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10/04/2024

TRES WEST ENGINEERS, INC.
2702 SOUTH 42ND STREET, SUITE 301
TACOMA, WA 98409-7315
Phone: 253.472.3300
www.treswest.com

PROJECT
NIGHT-BY-NIGHT PERMANENT SHELTER
LEWIS COUNTY PERMANENT SHELTER
2015 NE KRESKY AVE, CHEHALIS, WA

REVISIONS

DATE 10.04.2024
BCRA NO. 24032.00.00
DRAWN BY: HT
REVIEWED BY: DMM
SHEET TITLE
MECHANICAL SCHEDULES AND DETAILS

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PROJECT STATUS

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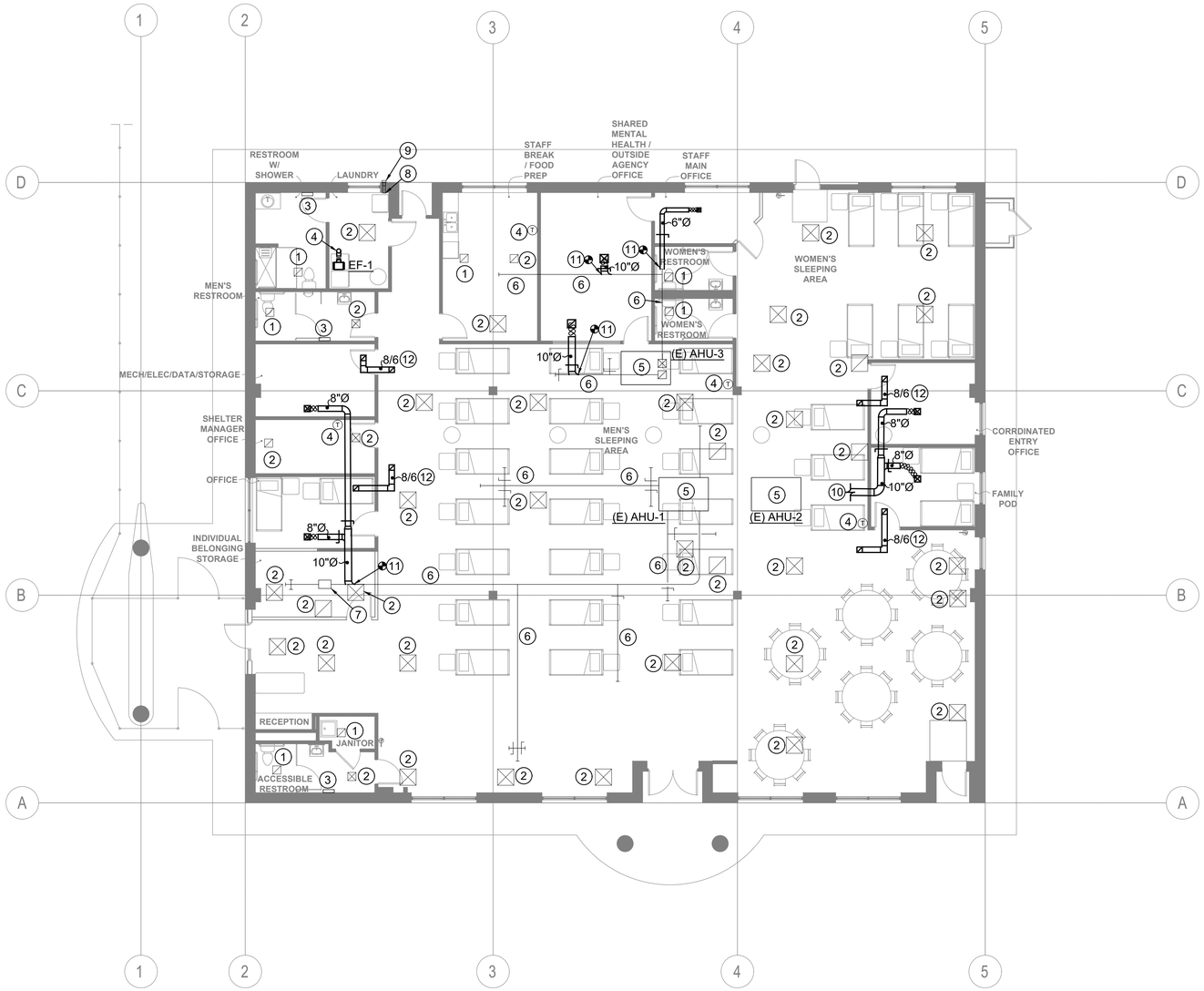

1 MECHANICAL VENTILATION PLAN
1/8" = 1'-0"

0 4 8 16
SCALE: 1/8" = 1'-0"
NORTH

PLAN NOTES

1. (E) EXHAUST FAN TO REMAIN.
2. (E) AIR TERMINAL TO REMAIN. CONTRACTOR TO FIELD VERIFY EXACT LOCATION. TYP.
3. (E) WALL HEATER TO REMAIN.
4. (E) T'STAT TO REMAIN.
5. (E) EQUIPMENT ON ROOF TO REMAIN.
6. (E) DUCTWORK TO REMAIN.
7. (E) ZONE DAMPER TO REMAIN.
8. CONNECT TO EXISTING DRYER VENTS.
9. EXISTING DRYER VENTS.
10. EXTEND NEW DUCTWORK TO CONNECT TO EXISTING DUCT TO (E) AHU-2. CONTRACTOR TO FIELD VERIFY EXACT LOCATION.
11. EXTEND NEW DUCTWORK AS SHOWN.
12. PROVIDE TRANSFER DUCT AND GRILLES AS SHOWN.

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SEAL

DAVID M. MOORE
STATE OF WASHINGTON
43283
REGISTERED PROFESSIONAL ENGINEER
10/04/2024

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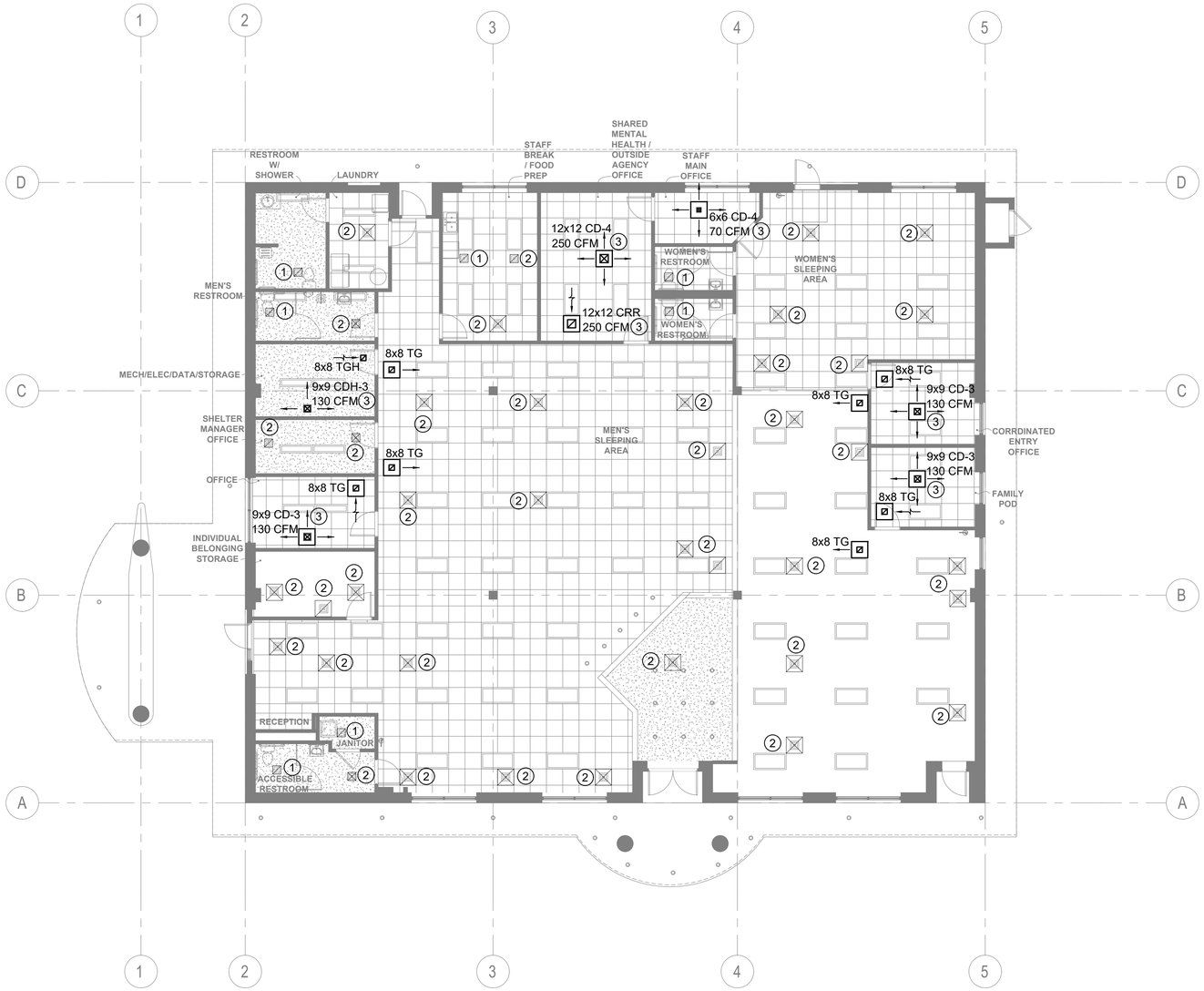
PLAN NOTES

1. (E) EXHAUST FAN TO REMIAN.
2. (E) AIR TERMINAL TO REMAIN. CONTRACTOR TO FIELD VERIFY EXACT LOCATION. TYP.
3. REBALANCE SYSTEM TO INCLUDE CFM SHOWN FOR THIS ROOM.



1 MECHANICAL REFLECTED CEILING PLAN

1/8" = 1'-0"

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

NORTH

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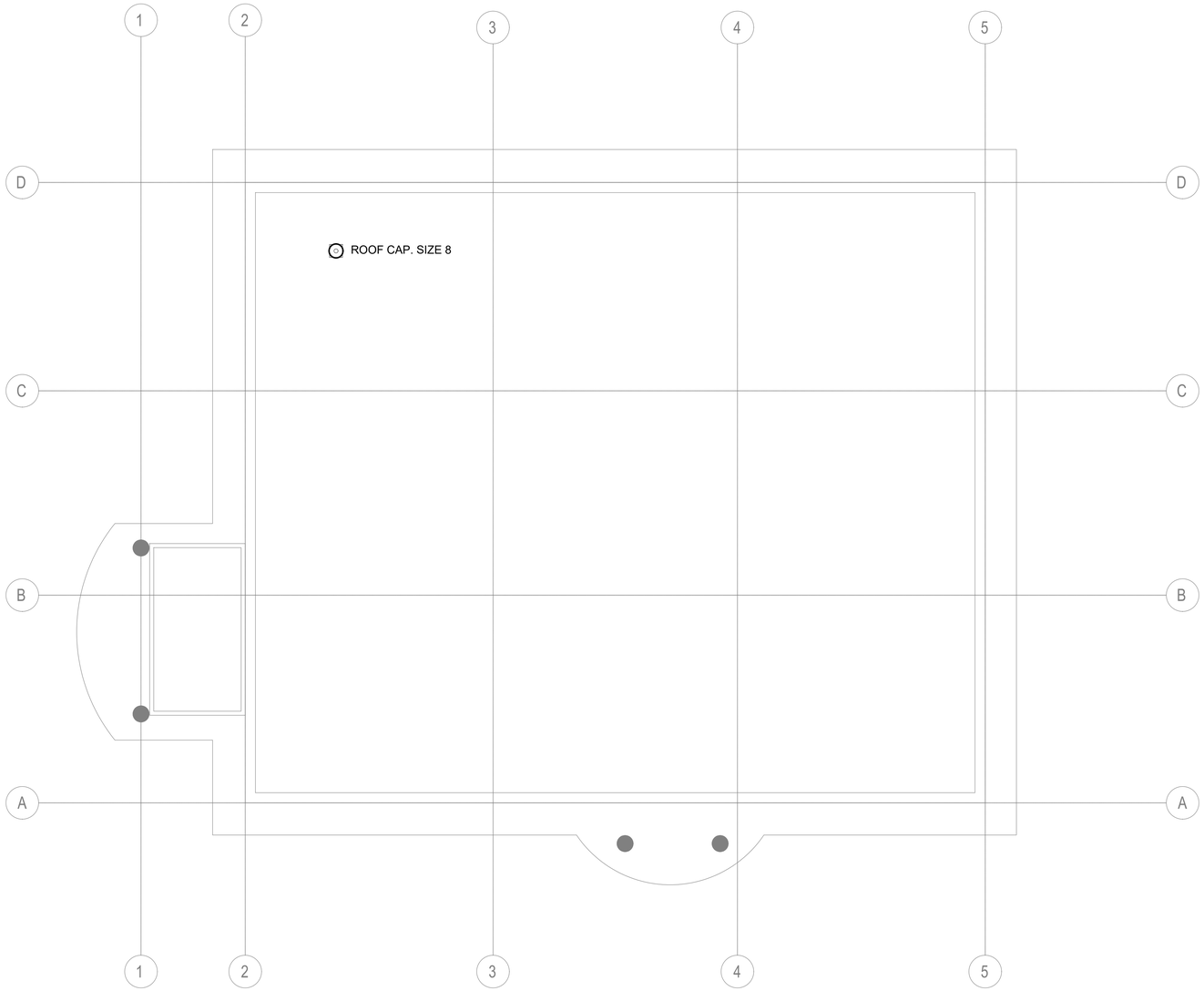

1 MECHANICAL ROOF PLAN
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SCALE: 1/8" = 1'-0"
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PROJECT STATUS

ELECTRICAL LEGEND

SYMBOL	DESCRIPTION
	LIGHTING OR POWER PANEL
	CONDUIT EXPOSED
	CONDUIT CONCEALED IN WALL OR CEILING SPACE ONLY
	CONDUIT UNDER GROUND OR FLOOR
—E—	EXISTING CONDUIT
	CONDUIT UP
	CONDUIT DOWN
	CONDUIT STUB OUT WITH PLASTIC BUSHING
	BRANCH CIRCUIT HOME RUN
	GROUNDING ELECTRODE PER CODES
	FLEXIBLE CONDUIT
	BRANCH CIRCUIT WIRING AND CONDUIT AS REQUIRED FOR CKTS DEVICES AND EQUIP INDICATED ON PLANS. (WIRING AND CONDUIT SIZE MAY NOT APPEAR ON PLANS). PROVIDE CONDUCTORS AND CONDUIT PER NEC CODE. #12 AWG, 3/4"C. MIN. EMT OR RIGID STEEL. INDICATES EQUIP GND. INDICATES ISOLATED GROUND.
M M M	ELECTRICAL METER
	ELECTRICAL TRANSFORMER
J	CODE SIZED JUNCTION BOX WITH COVER PLATE
A	ELECTRICAL DEVICE AS INDICATED, A=ABOVE COUNTER, WP=WEATHERPROOF, UC=UNDER COUNTER
	DUPLEX RECEPTACLE
	DUPLEX RECEPTACLE, TAMPER RESISTANT TYPE
	TWO DUPLEX RECEPTACLES IN COMMON BACK BOX AND UNDER COMMON PLATE
S	HALF-CONTROLLED DUPLEX RECEPTACLE. YY INDICATES CONTROLLED CIRCUIT, XX INDICATES UNCONTROLLED CIRCUIT.
S	HALF-CONTROLLED DOUBLE DUPLEX RECEPTACLE. YY INDICATES CONTROLLED CIRCUIT, XX INDICATES UNCONTROLLED CIRCUIT.
	SPECIAL EQUIP CONNECTION WITH LIQUID TIGHT FLEX TO MATCH EQUIPMENT
	DUPLEX RECEPTACLE GFCI TYPE
	DOUBLE DUPLEX RECEPTACLE GFCI TYPE
	CEILING MOUNT RECEPTACLE
	DUPLEX RECEPTACLE SURGE PROTECTION TYPE
	SPECIAL RECEPTACLE TYPE TO MATCH EQUIP SERVED, VERIFY REQUIREMENTS.
J YW	CORD DROP WITH EQUIPMENT. SEE PLANS FOR EQUIPMENT TYPE
FB	MULTI-GANG RECESSED FLOOR BOX . SEE PLANS FOR EXACT DEVICE TYPES AND QUANTITIES.

SYMBOL	DESCRIPTION
EF	EQUIPMENT CONNECTION, SEE EQUIPMENT CONNECTION SCHEDULES FOR SPECIFIC REQUIREMENTS.
MR	MOTOR RATED SWITCH
	MOTOR CONNECTION
	NON-FUSED DISCONNECT SWITCH
F	FUSED DISCONNECT SWITCH
	SPECIAL EQUIPMENT CONNECTION
	EQUIPMENT CONNECTION
	PUSH BUTTON SWITCH TO MATCH EQUIPMENT STARTER AND CONTROLLER
	LIGHT FIXTURE, SEE SCHEDULE FOR TYPE
EM	LIGHT FIXTURE, SEE SCHEDULE FOR TYPE, EM INDICATES EMERGENCY
	LIGHT FIXTURE WITH DIRECTIONAL OPTICS. ARROW DENOTES DIRECTION FOR EMITTED LIGHT.
	WALL MOUNTED LIGHT FIXTURE, SEE SCHEDULE FOR TYPE
	LIGHT FIXTURE, SEE SCHEDULE FOR TYPE
	EXIT LIGHT WITH DIRECTIONAL ARROWS, SHADING INDICATES DIRECTION OF FACE(S).
	EXIT LIGHT, SHADING INDICATES DIRECTION OF FACE(S).
	BUG EYE EMERGENCY LIGHT
P3	TYPICAL LIGHTING FIXTURE DESIGNATION, SEE SCHEDULE FOR TYPE
	SINGLE POLE SWITCH
LV	LOW VOLTAGE SWITCH
LD	LOW VOLTAGE SWITCH WITH DIMMING CONTROL.
OC	WALL MOUNT OCCUPANCY SENSOR SWITCH
PC	CEILING MOUNTED PHOTO CELL
OD OU	LIGHTING CONTROL OCCUPANCY SENSOR DUAL TECHNOLOGY (OD) OR ULTRASONIC (OU) (CEILING MOUNT)
RC ##	LIGHTING CONTROL SYSTEM ROOM CONTROLLER (UL 924 FOR EM LTS). (## INDICATES CIRCUIT NUMBER)
UR	LIGHTING CONTROL UL 924 TRANSFER DEVICE FOR SWITCHED/DIMMED EM LTS
BR	LIGHTING CONTROL NETWORK BRIDGE MODULE
RM	LIGHTING CONTROL NETWORK RADIO MODULE
AC	LIGHTING CONTROL NETWORK AREA CONTROLLER

GENERAL REQUIREMENTS

1. PROVIDE COMPLETE WORK FOR REQUIREMENTS AS DESCRIBED ON LEGEND. SEE ARCHITECTURAL DRAWINGS FOR LOCATIONS OF DEVICES LOCATED IN OR ABOVE CASEWORK.
2. INSTALLATION SHALL COMPLY WITH APPLICABLE CODES, INCLUDING, BUT NOT LIMITED TO THE FOLLOWING: 2023 NATIONAL ELECTRICAL CODE (NEC), WASHINGTON STATE ADMINISTRATIVE CODE (WAC), AND 2021 WASHINGTON STATE ENERGY CODE.
3. PROVIDE TEMPORARY POWER FOR CONSTRUCTION. TEMPORARY POWER MAY BE IN THE FORM OF PORTABLE GENERATOR SET; CONNECTION TO UTILITIES COMPANY'S POWER POLE OR EXISTING FACILITY'S ELECTRICAL SYSTEM.
4. ALL FLUSH MOUNT EQUIPMENT, CABINETS, AND PANELBOARDS SHALL HAVE FACTORY TYPE FLUSH MOUNT TRIM KIT FOR COMPLETE INSTALLATION.
5. PROVIDE ALL MATERIAL AND LABOR RELATED TO THE INSTALLATION OF ELECTRICAL DEVICES PENETRATING INTO OR THROUGH FIRE RATED WALLS, FLOORS, OR CEILINGS SUCH THAT THE FIRE RATING OF THE WALL IS MAINTAINED. REFER TO ARCHITECTURAL FOR FIRE WALL LOCATIONS.
6. DO NOT INSTALL FLUSH WALL OUTLETS BACK TO BACK. A MINIMUM OF 24" SEPARATION IS REQUIRED BETWEEN ANY OUTLET INSTALLED ON FIRE RATED WALL.
7. DO NOT TAKE MEASUREMENTS FROM PLANS FOR DEVICE LOCATIONS. FIELD VERIFY EXACT DEVICE, EQUIPMENT LOCATIONS, AND MOUNTING HEIGHTS WITH OWNER'S REPRESENTATIVE FOR PROPER INSTALLATION.
8. RACEWAYS, WIRE SIZES AND CIRCUITS AS SHOWN REPRESENT INTENT OF INSTALLATION, BUT MAY NOT NECESSARILY REPRESENT THE COMPLETE WIRING COUNTS AND MINIMUM SIZES FOR CONNECTING THE CIRCUITS SHOWN. CONTRACTOR SHALL INCLUDE IN THE BID, ALL REQUIRED RACEWAY SIZES AND NUMBER OF CONDUCTORS IN ORDER TO PROVIDE ALL CIRCUITS SHOWN.
9. COMBINING HOME-RUNS IS ALLOWABLE AS LONG AS CONDUCTORS ARE DE-RATED PER NEC TABLE 310.15(C)(1) WHEN THERE ARE MORE THAN THREE CURRENT CARRYING CONDUCTORS. RACEWAY AND BOXES TO BE FILLED TO 40% MAXIMUM.
10. PROVIDE DEDICATED NEUTRALS AND EQUIPMENT GROUNDING CONDUCTORS FOR EACH CIRCUIT.
11. PROVIDE SEPARATE NEUTRALS FOR GFCI OUTLETS, AND DIMMER CIRCUITRY.
12. REFER TO EQUIPMENT SCHEDULES FOR WIRING REQUIREMENTS NOT INDICATED ON PLANS.
13. PROVIDE ALL WIRING TO PANELS AND POWER DISTRIBUTION EQUIPMENT IN ACCORDANCE WITH ONE-LINE POWER DIAGRAM.
14. INCLUDE COST OF PROVIDING ALL ELECTRICAL CONNECTIONS AS REQUIRED FOR FULL OPERATION OF ALL OWNER FURNISHED, CONTRACTOR INSTALLED EQUIPMENT. SEE ARCHITECTURAL DRAWINGS TO VERIFY LOCATIONS.
15. WIRING SYSTEMS SHALL BE CONCEALED WHERE POSSIBLE, EXCEPT IN ELECTRICAL ROOM, MECHANICAL ROOM, AND UTILITY AREAS, OR AS OTHERWISE NOTED. IN OPEN EXPOSED AREAS, RACEWAY SHALL BE INSTALLED TO RUN ALONG JOISTS AT CEILING LINE LEVEL PARALLEL TO STRAIGHT BUILDING LINE. WHERE FURRED SPACES ARE CREATED, RACEWAY SHALL BE INSTALLED CONCEALED INSIDE THESE SPACES WHERE SUITABLE.
16. PROVIDE SURFACE METAL RACEWAY AS WIRING METHOD WHERE OUTLETS AND WIRING CANNOT BE CONCEALED.
17. EXTERIOR MOUNTED ELECTRICAL DEVICES, INCLUDING, BUT NOT LIMITED TO, DISCONNECT SWITCH, STARTER, SPEAKER, FIRE ALARM HORN AND COVERS SHALL BE NEMA-3R WEATHERPROOF RATED, UNLESS NOTED OTHERWISE.
18. AT EXTERIOR WALLS PROVIDE WEATHERPROOF J-BOXES, GASKETS AND SEAL J-BOXES AND PENETRATIONS. DEVICES EXPOSED TO WEATHER SHALL BE WEATHERPROOF AND RECEPTACLES SHALL BE GFCI PROTECTED AND INSTALLED IN IN-USE COVER.
19. ELECTRICAL CONTRACTOR SHALL PROVIDE ELECTRICAL EQUIPMENT AND ELECTRICAL CONNECTIONS FOR MECHANICAL EQUIPMENT. COORDINATE LOCATIONS AND CONNECTIONS WITH MECHANICAL CONTRACTOR.
20. COORDINATE DEVICE INSTALLATIONS WITH ARCHITECTURAL WALLS, CASEWORK, AND PROVIDE EQUIPMENT AND APPURTENANCES AS REQUIRED TO ACCOMMODATE COMPLETE INSTALLATION.
21. VERIFY WITH CABINET INSTALLER FOR ALL CABINET LOCATIONS, DIMENSIONS, AND COUNTER HEIGHTS PRIOR TO OUTLET ROUGH-IN. OUTLETS LOCATED ABOVE COUNTER SHALL BE INSTALLED TO CENTERLINE ABOVE COUNTERTOP BACKSPLASH, PER ARCHITECTURAL DETAILS AND REQUIREMENTS. VERIFY HEIGHT WITH OWNER'S REPRESENTATIVE OF ANY LOCATION THAT CANNOT ACCOMMODATE MOUNTING HEIGHT. INSTALL HORIZONTALLY WHERE LIMITED SPACE REQUIRES HORIZONTAL MOUNTING.
22. LABEL ALL EQUIPMENT, RECEPTACLES/COVERPLATES, J-BOXES, RACEWAY AND WITH SERVING PANEL NAME AND CIRCUIT NUMBER(S).
23. INSTALLATION OF UNDERGROUND WIRING SYSTEMS SHALL INCLUDE EXCAVATION, CUTTING, PATCHING, BACKFILL, AND COMPACTION. DO NOT CUT OR DAMAGE ANY EXISTING UTILITIES, STRUCTURAL MEMBERS, OR BUILDING FOUNDATIONS. VERIFY EXISTING CONDITIONS PRIOR TO EXCAVATION WORK. INCLUDE COST FOR UNDERGROUND LOCATOR SERVICE TO IDENTIFY LOCATIONS OF EXISTING COMPONENTS. HAND EXCAVATE IN LOCATIONS WHERE EXISTING UNDERGROUND COMPONENTS ARE SUBJECT TO DAMAGE. REPAIR DAMAGE TO EXISTING UTILITIES OR BUILDING STRUCTURE TO OWNER'S SATISFACTION AT THE CONTRACTORS EXPENSE.
24. ONE-LINE DIAGRAMS AND RACEWAY ROUTING ARE SCHEMATIC AND DO NOT SHOW EXACT PHYSICAL ARRANGEMENT OF EQUIPMENT. WHERE INDICATED ON DRAWINGS, JUNCTION BOXES AND PULLBOXES ARE MINIMUM REQUIREMENTS. PROVIDE FITTINGS AND PULLBOXES OF ADEQUATE SIZE IN RACEWAY SYSTEMS WHEREVER NECESSARY OR REQUIRED BY THE NEC OR LOCAL CODES. PROVIDE EXPANSION JOINT FITTINGS FOR RACEWAY PASSING THROUGH NEW OR EXISTING EXPANSION JOINTS INSTALLED BETWEEN BUILDINGS. VERIFY EXACT LOCATIONS AND DETAILS OF EXPANSION JOINTS PRIOR TO WORK. COORDINATE ALL RACEWAY ROUTING, PULLBOXES, AND EQUIPMENT LOCATIONS WITH OTHER TRADES TO AVOID CONFLICTS OF EQUIPMENT INSTALLATIONS.
25. PROVIDE PULL-WIRES IN ALL EMPTY CONDUITS.
26. PRIOR TO PREPARATION OF BID, VISIT JOBSITE AND EXAMINE EXISTING CONDITIONS.
27. PROVIDE DUCT SMOKE DETECTOR(S) FOR EACH UNIT THAT HAS A CFM RATING AT OR GREATER THAN 2,000 CFM. ELECTRICAL CONTRACTOR SHALL PROVIDE DUCT SMOKE DETECTORS, MECHANICAL CONTRACTOR SHALL INSTALL DUCT SMOKE DETECTORS, AND ELECTRICAL CONTRACTOR SHALL PROVIDE ALL RACEWAY/WIRE AND MAKE CONNECTIONS FOR COMPLETE OPERATION INCLUDING HVAC CONTROL TO FIRE ALARM CONTROL PANEL INTERCONNECTION. COORDINATE LOCATIONS AND REQUIREMENTS WITH MECHANICAL CONTRACTOR.
28. CONDUIT OR OTHER ELECTRICAL COMPONENTS SHALL NOT BE INSTALLED IN STRUCTURAL CONCRETE UNLESS SPECIFICALLY INDICATED ON THE DRAWINGS OR APPROVED BY STRUCTURAL ENGINEER. ALL CORE DRILLING FOR RACEWAY INSTALLATION, SHALL BE THE RESPONSIBILITY OF THE ELECTRICAL CONTRACTOR.
29. CONTRACTOR IS RESPONSIBLE FOR ENTIRE SCOPE OF WORK INDICATED IN THESE DRAWINGS. THIS INCLUDES PROVISIONS FOR EQUIPMENT THAT REQUIRE THE COORDINATION BETWEEN MULTIPLE TRADES.
30. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL WORK RELATED TO PERMITS, PLAN REVIEW, NEW UTILITY SERVICE INCLUDING REMOVAL OF EXISTING SERVICE, AND INSPECTIONS.

ABBREVIATIONS

ADA	AMERICAN DISABILITY ACT	EQUIP	EQUIPMENT
AFF	ABOVE FINISHED FLOOR	EXIST	EXISTING
AHJ	AUTHORITY HAVING JURISDICTION	(E)	EXISTING ITEM
AMP	AMPERE	FA	FIRE ALARM
ATS	AUTOMATIC TRANSFER SWITCH	FAAP	FIRE ALARM ANNUNCIATOR
BKR	BREAKER	FACP	FIRE ALARM CONTROL PANEL
C	CONDUIT	GC	GENERAL CONTRACTOR
CKT	CIRCUIT	GFI	GROUND FAULT INTERRUPTER
CO	CONDUIT AND PULL WIRE ONLY	G, GND	GROUND
COMM	COMMUNICATION	HID	HIGH INTENSITY DISCHARGE
CU	COPPER	LCC	LIGHTING CONTROL CENTER
EC	ELECTRICAL CONTRACTOR	LCP	LIGHTING CONTROL PANEL
ELEC	ELECTRICAL	LTG	LIGHTING
LV	LOW VOLTAGE	SOQ	SEQUENCE OF OPERATIONS
MB	MAIN BREAKER	SW	SWITCH
MC	MECHANICAL CONTRACTOR	TB	TELECOM BACKBOARD
MDP	MAIN DISTRIBUTION PANEL	TEL	TELEPHONE
MECH	MECHANICAL	THRU	THROUGH
MLO	MAIN LUG ONLY	TTB	TELECOM TERMINATION BOARD
MRS	MOTOR RATED SWITCH	TV	TELEVISION
(N)	NEW	TYP	TYPICAL
OC	ON CENTER	UG	UNDERGROUND
PB	PUSH BUTTON	UON	UNLESS OTHERWISE NOTED
PNL	PANEL	VD	VACANCY DIMMER
REC	RECEPTACLE	WP	WEATHERPROOF, NEMA 3R
SMC	STRUCTURAL MEDIA CENTER	XFMR	TRANSFORMER
SPECS	SPECIFICATIONS	XFER	TRANSFER

APPLICABLE CODES

- 2021 INTERNATIONAL BUILDING CODE
- 2021 WASHINGTON ENERGY CODE
- 2021 INTERNATIONAL FIRE CODE
- 2023 NATIONAL ELECTRICAL CODE (NEC)
- WASHINGTON STATE ADMINISTRATIVE CODE (WAC)

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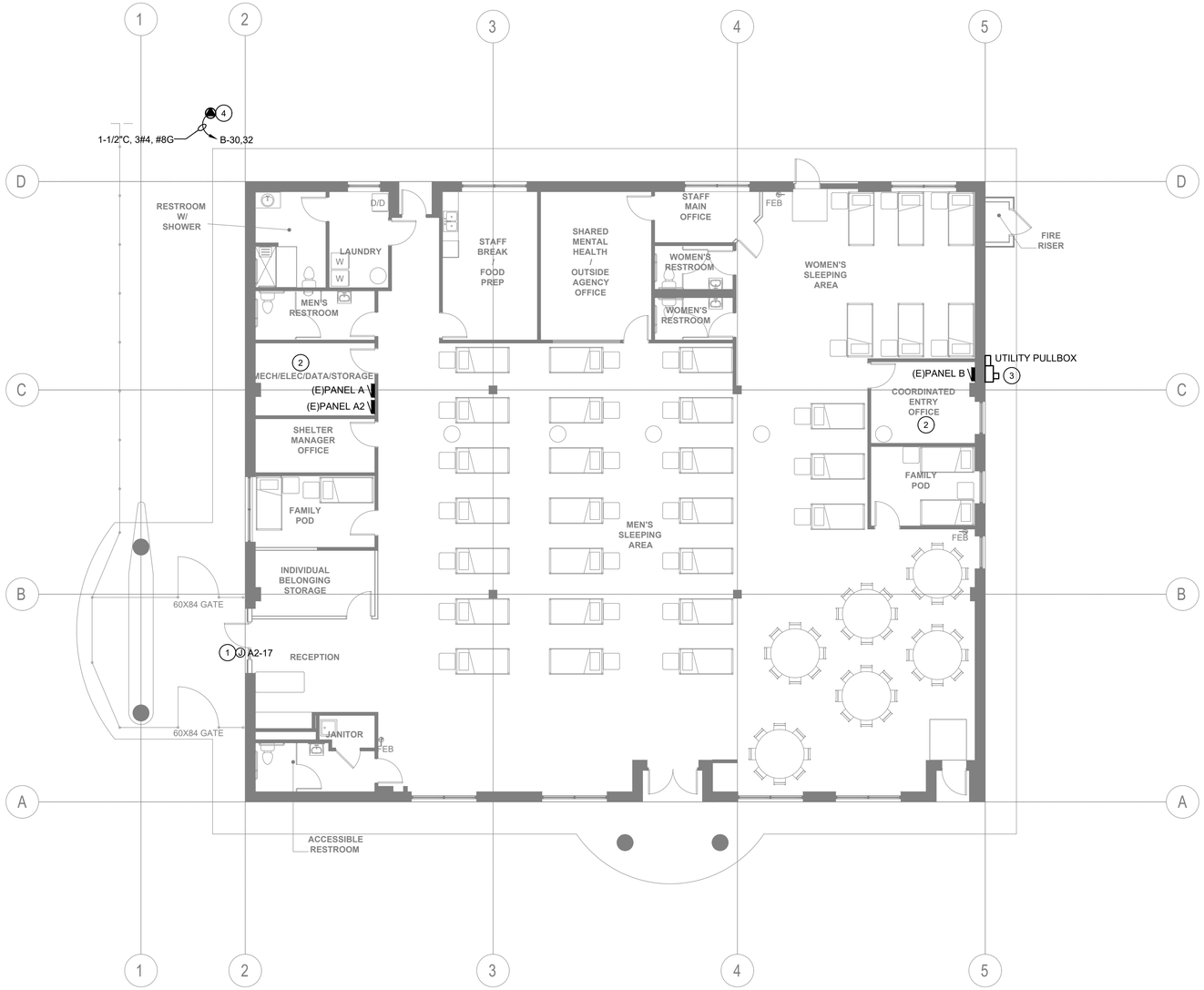

1 ELECTRICAL FLOOR PLAN
1/8" = 1'-0"

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

GENERAL NOTES

1. PROVIDE LOCKABLE IN-USE COVER FOR ALL EXTERIOR WEATHERPROOF RECEPTACLES.
2. COORDINATE ALL HVAC AND PLUMBING EQUIPMENT LOCATIONS WITH MECHANICAL AND PLUMBING CONTRACTORS. REFER TO ELECTRICAL-MECHANICAL SCHEDULES FOR ADDITIONAL INFORMATION.
3. COORDINATE INSTALLATION REQUIREMENTS WITH MECHANICAL AND PLUMBING CONTRACTORS PRIOR TO ROUGH-IN.
4. PROVIDE MAINTENANCE RECEPTACLE LOCATED MAXIMUM OF 25'-0" FROM MECHANICAL UNITS. MAINTENANCE RECEPTACLE SHALL BE GFCI TYPE PER NEC 210.8(E).
5. ALL CONDUCTORS SHALL BE COPPER UNLESS NOTED OTHERWISE.
6. PROVIDE 3/4"C WITH 3#10, 1#10G FOR DRYER.

PLAN NOTES

1. DOOR HARDWARE POWER SUPPLY. PROVIDE CONNECTIONS TO ALL AUXILIARY HARDWARE AS REQUIRED FOR COMPLETE OPERATIONAL SYSTEM. COORDINATE DOOR HARDWARE SET REQUIREMENTS WITH ARCHITECT PRIOR TO ROUGH-IN.
2. CONTRACTOR TO FIELD VERIFY LOCATION OF ALL EQUIPMENT IN ROOM.
3. UTILITY METER BANK WITH 2 EXISTING METERS AND ONE SPARE METER BASE.
4. PROVIDE MILBANK 125A, 120/240V MILLENNIUM SERIES UNMETERED POWER OUTLET PEDESTAL WITH (1) 14-50R, (1) TT30, (1) 5-20R GFI RECEPTACLE CONFIGURATIONS AND (1) 50A, 2P, 120/120V, (1) 30A, 1P, 120V, AND (1) 20A, 1P, 120V CIRCUIT BREAKER CONFIGURATIONS. PROVIDE WITH FACTORY WIRED INTERNAL LED LIGHT KIT AND ALL MOUNTING ACCESSORIES TO ANCHOR AND STABILIZE PEDESTAL TO CONCRETE BASE. COORDINATE EXACT LOCATION WITH OWNER PRIOR TO ROUGH-IN.

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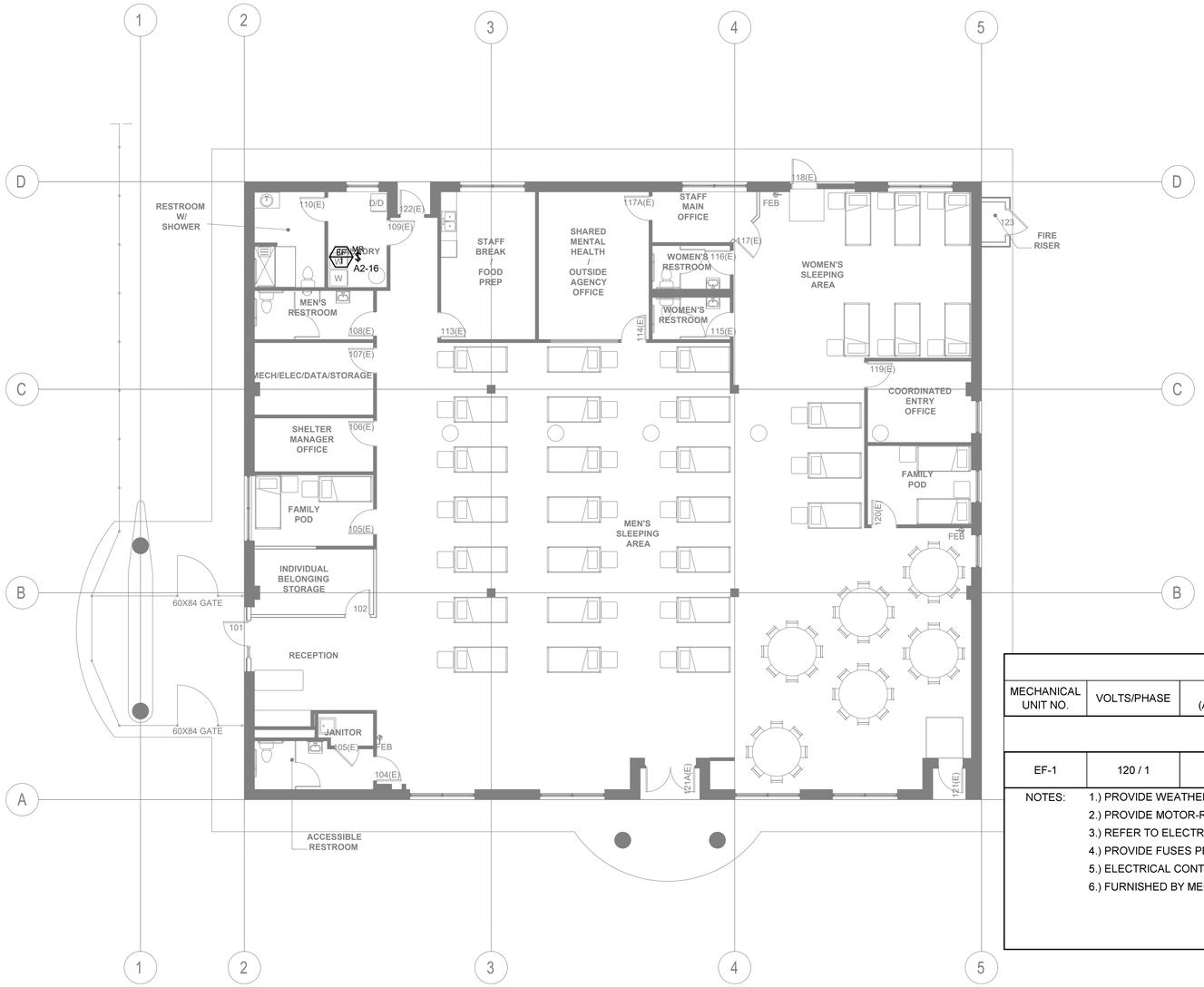

GENERAL NOTES

1. PROVIDE LOCKABLE IN-USE COVER FOR ALL EXTERIOR WEATHERPROOF RECEPTACLES.
2. COORDINATE ALL HVAC AND PLUMBING EQUIPMENT LOCATIONS WITH MECHANICAL AND PLUMBING CONTRACTORS. REFER TO ELECTRICAL-MECHANICAL SCHEDULES FOR ADDITIONAL INFORMATION.
3. COORDINATE INSTALLATION REQUIREMENTS WITH MECHANICAL AND PLUMBING CONTRACTORS PRIOR TO ROUGH-IN.
4. PROVIDE MAINTENANCE RECEPTACLE LOCATED MAXIMUM OF 25'-0" FROM MECHANICAL UNITS. MAINTENANCE RECEPTACLE SHALL BE GFCI TYPE PER NEC 210.8(E).
5. ALL CONDUCTORS SHALL BE COPPER UNLESS NOTED OTHERWISE.

ELECTRICAL SCHEDULE FOR MECHANICAL EQUIPMENT

MECHANICAL UNIT NO.	VOLTS/PHASE	LOAD (A/W/HP)	MCA (A)	DISCONNECT		CONDUIT	WIRE	CFM	NOTES
				FRAME (A)	FUSE (A)				
EXHAUST FAN									
EF-1	120 / 1	6 W		MR-SW		3/4"	2#12, 1#12G	75	2, 3

NOTES:
1.) PROVIDE WEATHERPROOF NEMA-3R DISCONNECT.
2.) PROVIDE MOTOR-RATED SWITCH FOR DISCONNECT.
3.) REFER TO ELECTRICAL MECHANICAL PLANS FOR PANEL AND CIRCUIT NUMBER.
4.) PROVIDE FUSES PER MANUFACTURER'S RECOMMENDATION.
5.) ELECTRICAL CONTRACTOR TO PROVIDE AND INSTALL DISCONNECT.
6.) FURNISHED BY MECHANICAL CONTRACTOR. INSTALLED BY ELECTRICAL CONTRACTOR.

1 ELECTRICAL MECHANICAL FLOOR PLAN
1/8" = 1'-0"

0 4 8 16 NORTH
SCALE: 1/8" = 1'-0"

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SEAL

JAMES J. CHENG
STATE OF WASHINGTON
53813
REGISTERED PROFESSIONAL ENGINEER
10/04/2024

TRES WEST ENGINEERS, INC.
2702 SOUTH 42ND STREET, SUITE 301
TACOMA, WA 98409-7315
Phone: 253.472.3300
www.treswest.com

PROJECT
NIGHT-BY-NIGHT PERMANENT SHELTER
LEWIS COUNTY PERMANENT SHELTER
2015 NE KRESKY AVE, CHEHALIS, WA

REVISIONS

DATE
10.04.2024
BCRA NO.
24032.00.00
DRAWN BY:
REVIEWED BY:
SHEET TITLE
ELECTRICAL MECHANICAL FLOOR PLAN

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SHEET
E4.1
PROJECT STATUS

24x36

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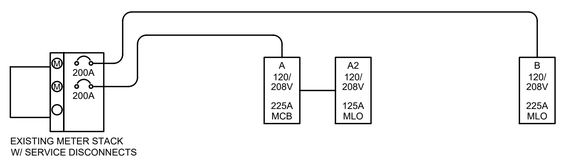
GENERAL NOTES

1. ALL EQUIPMENT IS EXISTING UNLESS NOTED OTHERWISE.



1 ELECTRICAL ONE-LINE DIAGRAM

SHOWN FOR REFERENCE ONLY

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ELECTRICAL ONE-LINE DIAGRAM

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PROJECT STATUS

PANEL	LOCATION:	208/120 VOLT	225 AMP BUS RATING	SCCR: EXISTING
A	SERVING:	3 PHASE	225 AMP MAIN BREAKER	AFC:
	FED FROM:	4 WIRE		MOUNTING: SURFACE

CKT	LOAD DESCRIPTION	TYPE	KVA	A/P	PHASE	A/P	KVA	TYPE	LOAD DESCRIPTION	CKT
1	AHU-1	M	0.000	60/3	A	30/3	0.000	M	AHU-3	2
3	-	-	-	-	B	-	-	-	-	4
5	-	-	-	-	C	-	-	-	-	6
7	WATER HEATER	H	0.000	30/2	A	30/2	0.000	M	AHU-4	8
9	-	-	-	-	B	-	-	-	-	10
11	MICROWAVE - KITCHEN	D	0.000	20/1	C	20/1	0.000	H	BATH HTR 2-3	12
13	SPARE	S	-	20/1	A	20/1	0.000	L	LITES EXT	14
15	UNKNOWN	D	0.000	20/1	B	20/1	0.000	L	LITES BACK LEFT	16
17	CONF RM RECEPT	R	0.000	20/1	C	20/1	0.000	L	LITES MAIN FLOOR	18
19	RECPT CONF RM	R	0.000	20/1	A	20/1	0.000	L	LITES TELLER LINE	20
21	RECEPT FRONT BATH	R	0.000	20/1	B	20/1	0.000	L	LITES FRONT ENTRY	22
23	RECEPT DRIVE THRU	R	0.000	30/2	C	20/1	0.000	L	LITES EXT	24
25	OFFICE	-	-	-	A	20/1	0.000	D	SECURITY ALARM CONTROL	26
27	RECEPT TELLER LINE	R	0.000	20/1	B	20/1	0.000	D	VIDEO SVR/WIRELESS RCV	28
29	RECEPT TELLER LINE	R	0.000	20/1	C	20/1	0.000	D	PHONE BOARD	30
31	UNKNOWN	R	0.000	20/1	A	20/1	0.000	D	ATM FRONT	32
33	DRYER 1	D	0.000	30/2	B	20/1	0.000	L	PARKING LOTS	34
35	DRYER 2	-	-	-	C	20/1	0.000	L	SIGN CIRCUIT	36
37	PANEL A2	P	0.260	100/3	A	20/1	0.000	D	UNKNOWN	38
39	-	-	-	-	B	20/1	0.000	R	ROOF TOP RECEPT	40
41	-	-	-	-	C	20/1	0.000	D	COIN MACHINE	42

PHASE LOAD PHASE A= 0.00 KVA PHASE B= 0.06 KVA PHASE C= 0.20 KVA

LOAD TYPE	L	R	M	H	WH	EV	D	A	K	LM	TOTAL LOADS	
PANEL A	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00 KVA	0.00 AMP
PANEL A2	0.00	0.00	0.06	0.00	0.00	0.00	0.20	0.00	0.00	0.06	0.26 KVA	0.72 AMP
CONN. LOAD	0.00	0.00	0.06	0.00	0.00	0.00	0.20	0.00	0.00	0.06	0.26 KVA	0.72 AMP
CALC. LOAD	0.00	0.00	0.06	0.00	0.00	0.00	0.20	0.00	0.00	0.02	0.28 KVA	0.76 AMP

EXISTING DEMAND
LOAD CALC SUMMARY

DEMAND DURATION	SEASONAL FACTOR	EXISTING DEMAND		125% (NEC 220.87)		TOTAL NEW DEMAND	
30-DAYS	1.00	15.00 KVA	41.64 AMP	18.75 KVA	52.04 AMP	19.03 KVA	52.81 AMP

REQUIRED OPTIONS:

GENERAL: A. CIRCUIT BREAKER TYPE ="XA/P" WHERE 'A' IS TRIP RATING, 'P' IS NUMBER OF POLES,
AND 'X' IS BLANK FOR DEFAULT OR 'A' FOR AFCI, 'G' FOR GFCI, 'S' = SHUNT TRIP

CONTRACTOR TO FIELD VERIFY PANELBOARD SCCR.

NOTES: 1) PROVIDE NEW CIRCUIT BREAKER. BREAKER AIC RATING SHALL MATCH OR EXCEED PANELBOARD SCCR.

PANEL	LOCATION:	208/120 VOLT	125 AMP MAIN LUGS ONLY	SCCR: EXISTING
A2	SERVING:	3 PHASE		AFC:
	FED FROM:	4 WIRE		MOUNTING: SURFACE

CKT	LOAD DESCRIPTION	TYPE	KVA	A/P	PHASE	A/P	KVA	TYPE	LOAD DESCRIPTION	CKT
1	RECEPT WORKSTATION	R	0.000	20/1	A	20/1	0.000	D	PHONE BOARD RECEPTACLE	2
3	LIGHTS	L	0.000	20/2	B	30/1	0.000	D	30A UPS DATA PLUG	4
5	ELECTRIC ROOM LIGHTS	-	-	-	C	20/1	0.000	D	WARMER	6
7	GFCI RECEPT BREAK ROOM	R	0.000	20/1	A	20/1	0.000	D	REFER	8
9	RECEPTACLE	R	0.000	20/2	B	20/1	0.000	D	WARMER	10
11	-	-	-	-	C	20/1	0.000	D	WASHER	12
13	MSO OFFICE	R	0.000	20/1	A	20/1	0.000	D	WASHER	14
15	TCR OUTLET	D	0.000	20/1	B	20/1	0.060	M	EF-1 (NOTE 1)	16
17	ADR DOOR OPERATORS (NOTE 1)	D	0.200	20/1	C	-	-	S	SPACE	18
19	SPACE	S	-	-	A	-	-	S	SPACE	20
21	SPACE	S	-	-	B	-	-	S	SPACE	22
23	SPACE	S	-	-	C	-	-	S	SPACE	24

PHASE LOAD PHASE A= 0.00 KVA PHASE B= 0.06 KVA PHASE C= 0.20 KVA

LOAD TYPE	L	R	M	H	WH	EV	D	A	K	LM	TOTAL LOADS	
PANEL A2	0.00	0.00	0.06	0.00	0.00	0.00	0.20	0.00	0.00	0.06	0.26 KVA	0.72 AMP
											0.00 KVA	0.00 AMP
CONN. LOAD	0.00	0.00	0.06	0.00	0.00	0.00	0.20	0.00	0.00	0.06	0.26 KVA	0.72 AMP
CALC. LOAD	0.00	0.00	0.06	0.00	0.00	0.00	0.20	0.00	0.00	0.02	0.28 KVA	0.76 AMP

EXISTING DEMAND
LOAD CALC SUMMARY

DEMAND DURATION	SEASONAL FACTOR	EXISTING DEMAND		125% (NEC 220.87)		TOTAL NEW DEMAND	
30-DAYS		KVA	0.00 AMP	0.00 KVA	0.00 AMP	0.28 KVA	0.76 AMP

REQUIRED OPTIONS:

GENERAL: A. CIRCUIT BREAKER TYPE ="XA/P" WHERE 'A' IS TRIP RATING, 'P' IS NUMBER OF POLES,
AND 'X' IS BLANK FOR DEFAULT OR 'A' FOR AFCI, 'G' FOR GFCI, 'S' = SHUNT TRIP

CONTRACTOR TO FIELD VERIFY PANELBOARD SCCR.

NOTES: 1) PROVIDE NEW CIRCUIT BREAKER. BREAKER AIC RATING SHALL MATCH OR EXCEED PANELBOARD SCCR.

LOAD CALCULATIONS

TOTAL LOAD ON PANEL A INCLUDES EXISTING DEMAND LOAD * 125% + NEW LOAD.
TOTAL LOAD IS LESS THAN PANEL A2 CAPACITY. SERVICE DEMAND LOAD IS INCLUDED IN PANEL A2 CALCULATION FOR REFERENCE ONLY AND EXCEEDS ACTUAL DEMAND LOAD ON PANEL A2.

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DRAWN BY:

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PROJECT STATUS

24x36

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PANEL	LOCATION:	208/120 VOLT	225 AMP MAIN LUGS ONLY	SCCR: EXISTING
B	SERVING:	3 PHASE		AFC:
	FED FROM:	4 WIRE		MOUNTING: SURFACE

CKT	LOAD DESCRIPTION	TYPE	KVA	A/P	PHASE	A/P	KVA	TYPE	LOAD DESCRIPTION	CKT
1	BATHROOM LIGHTS	L	0.000	20/1	A	20/1	0.000	R	RECEPTACLES	2
3	BACKROOM LIGHTS	L	0.000	20/1	B	20/1	0.000	R	RECEPTACLES	4
5	BATHROOM RECEPTACLES	R	0.000	20/1	C	20/1	0.000	L	LIGHTS	6
7	HEAT PUMP	M	0.000	60/3	A	20/1	0.000	L	LIGHTS	8
9	-	-	-	-	B	20/1	0.000	R	RECEPTACLES	10
11	-	-	-	-	C	20/1	0.000	R	WEST OFFICE OUTLETS	12
13	EAST OFFICE OUTLETS	R	0.000	20/1	A	20/1	0.000	R	EAST OFFICE OUTLETS & WEST	14
15	EAST OFFICE OUTLETS	R	0.000	20/1	B	20/1	0.000	R	CENTER NORTH WALL OUTLETS	16
17	CENTER WEST WALL OUTLET	R	0.000	20/1	C	20/1	-	S	SPARE	18
19	CENTER SOUTH WALL OUTLET	R	0.000	20/1	A	20/1	0.000	D	PRINTER 20A HALL	20
21	CENTER WEST WALL OUTLET	R	0.000	20/1	B	20/1	-	S	SPARE	22
23	COUNTER 20A OUTLET	R	0.000	20/1	C	20/1	-	S	SPARE	24
25	COUNTER 20A GFCI	R	0.000	20/1	A	20/1	0.000	R	NORTH WORK OUTLETS	26
27	SPACE	S	-	-	B	20/1	0.000	R	NORTH WORK OUTLETS	28
29	SPACE	S	-	-	C	**70/2**	**14.560**	**D**	**RV PEDESTAL (NOTE 1)**	30
31	SPACE	S	-	-	A	-	-	-	-	32
33	SPACE	S	-	-	B	-	-	S	SPACE	34
35	SPACE	S	-	-	C	-	-	S	SPACE	36
37	SPACE	S	-	-	A	-	-	S	SPACE	38
39	SPACE	S	-	-	B	-	-	S	SPACE	40
41	SPACE	S	-	-	C	-	-	S	SPACE	42

PHASE LOAD PHASE A= **7.28** KVA PHASE B= **0.00** KVA PHASE C= **7.28** KVA

LOAD TYPE	L	R	M	H	WH	EV	D	A	K	LM	TOTAL LOADS	
PANEL B	0.00	0.00	0.00	0.00	0.00	0.00	14.56	0.00	0.00	0.00	**14.56** KVA	**40.41** AMP
											0.00 KVA	**0.00** AMP
CONN. LOAD	0.00	0.00	0.00	0.00	0.00	0.00	14.56	0.00	0.00	0.00	**14.56** KVA	**40.41** AMP
CALC. LOAD	0.00	0.00	0.00	0.00	0.00	0.00	14.56	0.00	0.00	0.00	**14.56** KVA	**40.41** AMP

EXISTING DEMAND
LOAD CALC SUMMARY

DEMAND DURATION	SEASONAL FACTOR	EXISTING DEMAND		125% (NEC 220.87)		TOTAL NEW DEMAND	
30-DAYS	1.00	**7.00** KVA	**19.43** AMP	**8.75** KVA	**24.29** AMP	**23.31** KVA	**64.70** AMP

REQUIRED OPTIONS:

GENERAL: A. CIRCUIT BREAKER TYPE ="XA/P" WHERE 'A' IS TRIP RATING, 'P' IS NUMBER OF POLES,
AND 'X' IS BLANK FOR DEFAULT OR 'A' FOR AFCI, 'G' FOR GFCI, 'S' = SHUNT TRIP

CONTRACTOR TO FIELD VERIFY PANELBOARD SCCR.

NOTES: 1) PROVIDE NEW CIRCUIT BREAKER. BREAKER AIC RATING SHALL MATCH OR EXCEED PANELBOARD SCCR.

LOAD CALCULATIONS

TOTAL LOAD ON PANEL B INCLUDES EXISTING DEMAND LOAD * 125% + NEW LOAD.

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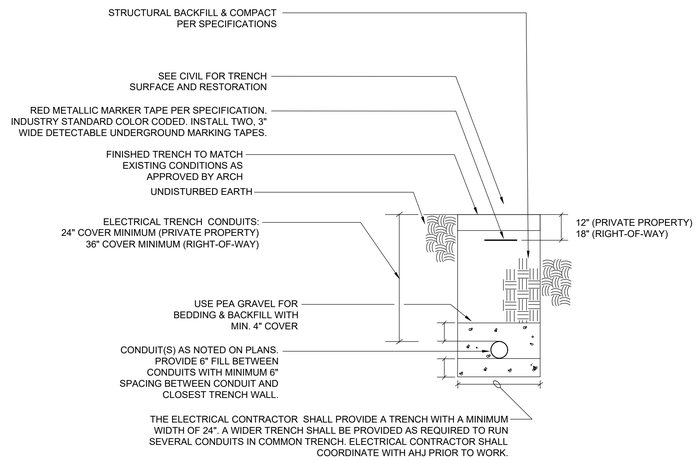
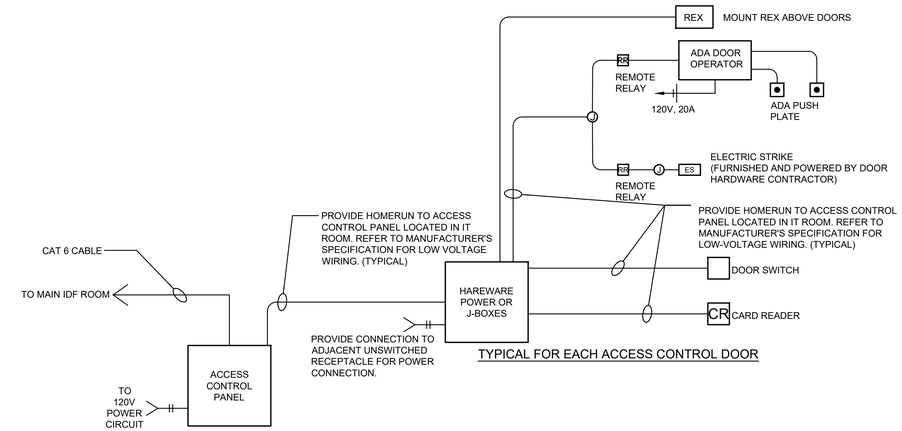


NOTES:

1. UNLESS SPECIFICALLY PERMITTED OTHERWISE, ELECTRICAL CONTRACTOR SHALL PROVIDE A DEDICATED TRENCH FOR EACH SET OF SYSTEM CONDUITS.
2. ALL UNDERGROUND CONDUIT ROUTINGS SHALL BE COORDINATED WITH UNDERGROUND WORK OF OTHER TRADES AND EXISTING CONDITIONS. UPON CONFLICT OF DEPTH, THE ELECTRICAL CONTRACTOR, WORK SHALL ROUTE BELOW THE WORK OF OTHER CONTRACTORS.

1 CONDUIT TRENCH DETAIL

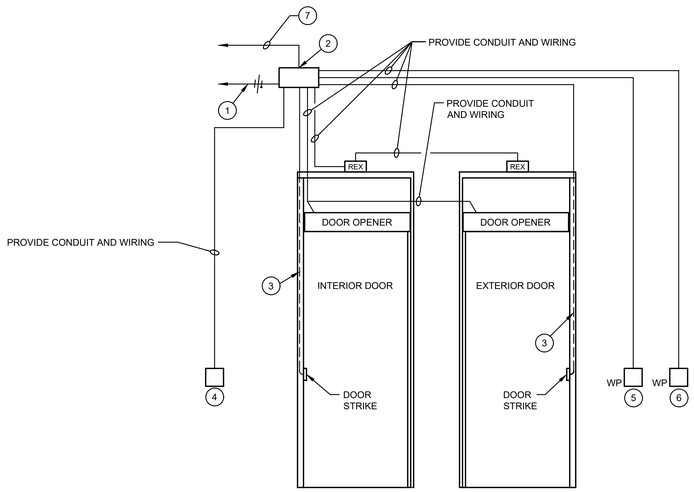


TYPICAL FOR EACH ACCESS CONTROL DOOR

NOTES:

1. PROVIDE ALL J-BOXES, CONDUIT, WIRING AND CONNECTIONS TO ALL DEVICES FOR COMPLETE OPERATIONAL SYSTEM.
2. PROVIDE COMPLETE ACCESS CONTROL SYSTEMS PER ELECTRICAL PLANS, MECHANICAL PLANS, ARCHITECTURAL PLANS, SPECIFICATIONS AND CODE REQUIREMENTS.
3. PROVIDE REQUIRED REMOTE RELAYS INTERFACE TO OPERATE ALL AUXILIARY DEVICES.
4. DOOR HARDWARE CONTRACTOR TO PROVIDE, INSTALL, AND POWER ELECTRIC DOOR LOCKS.
5. PROVIDE J-BOX ABOVE THE DOOR TO CONNECT DOOR POSITION SWITCH WIRING.
6. PROVIDE J-BOX ABOVE THE DOOR TO CONNECT ELECTRIC DOOR LOCK WIRING.
7. PROVIDE CARD READER PEDESTAL(S) AS REQUIRED.

2 ACCESS CONTROL SINGLE-LINE DIAGRAM



DETAIL NOTES

1. PROVIDE POWER TO DOOR CONTROLLER. REFER TO FLOOR PLAN FOR CIRCUIT INFORMATION.
2. DOOR OPENER POWER SUPPLY/CONTROL PANEL (FURNISHED BY DOOR HARDWARE CONTRACTOR). PROVIDE ACCESS CONTROL SYSTEM INTERFACE J-BOX.
3. PROVIDE WIRING TO DOOR CONTACT & DOOR ELECTRIC STRIKE / ELECTRIC LOCK AS REQUIRED BY DOOR HARDWARE. COORDINATE EXACT HARDWARE REQUIREMENTS WITH ARCHITECT.
4. DOOR OPENER INTERIOR ADA PUSH PLATE.
5. DOOR OPENER EXTERIOR ADA PUSH PLATE.
6. ACCESS CONTROL SYSTEM CARD READER.
7. PROVIDE CONTROL WIRING TO ACCESS CONTROL SYSTEM CONTROL PANEL.

NOTES

1. REFER TO FLOOR PLAN FOR DOOR LOCATIONS.
2. REFER TO DETAIL 2 THIS SHEET, ACCESS CONTROL SINGLE -LINE DIAGRAM FOR ADDITIONAL REQUIREMENTS.

3 WIRING DIAGRAM FOR ADA DOOR CONTROLS

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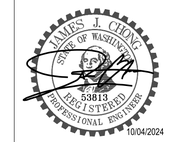

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