SOUTH HILL CENTER - SPACE 10

PUYALLUP, WASHINGTON

COMMERCIAL TENANT IMPROVEMENT

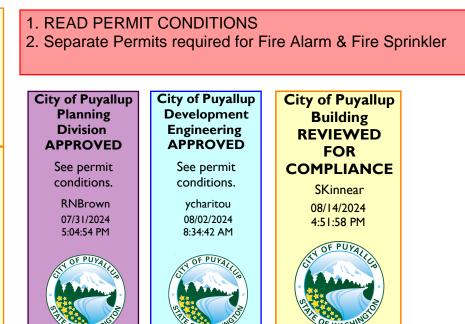
Approval of submitted plans is not an approval of omissions or oversights by this office or non compliance with any applicable regulations of local government. The contractor is responsible for making sure that the building complies with all applicable codes and regulations of the local government.

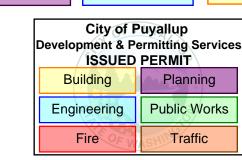
The approved construction plans, documents, and all engineering must be posted on the job at all inspections in a visible and readily accessible location.

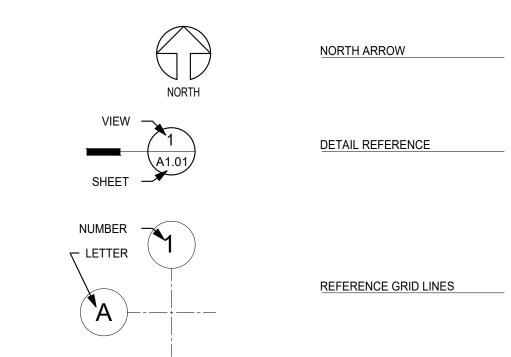
Full sized legible color plans are required to be provided by the permitee on site for inspection.

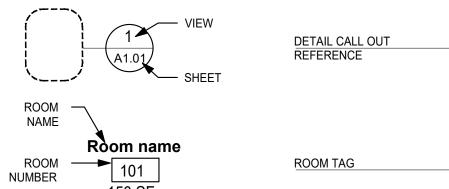
Separate Electrical Permit is required with the Washington State Department of Labor & Industries. https://lni.wa.gov/licensing-permits/electrical/electricalpermits-fees-and-inspections

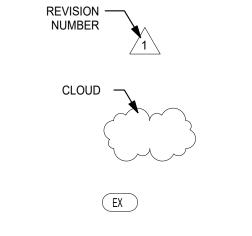
or call for Licensing Information: 1-800-647-0982 Full-Sized legible color report is required to be provided by the Permittee on site for all Inspections











REVISION CLOUD EXISTING DOOR TAG TO REMAIN

NEW DOOR TAG

REVISION TAG

EXISTING EXIT DOOR TAG BE INCLUDED IN THIS SUBMITTAL (REFER PERMIT: PRCTI20240669)

PLUMBING CALCULATIONS

CODES

GOVERNING BUILDING CODE

INTERNATIONAL BUILDING CODE W/ WASHINGTON STATE 2021 INTERNATIONAL BUILDING CODE 2021 INTERNATIONAL MECHANICAL CODE 2021 FUEL GAS CODE 2021 UNIFORM PLUMBING CODE 2021 INTERNATIONAL FIRE CODE

2021 WASHINGTON STATE ENERGY CODES 2019 NFPA STANDARD 72 2019 NFPA STANDARD 13, 13-D, AND 13-R

ENERGY CODE NOTES

- (WSEC) AND IBC, CHAPTER 5 [CE] EXISTING BUILDINGS
- CLIMATE ZONE 4C: BUILDING ROOF (NO ATTIC): EXISTING
- AIR VOLUME). ELECTRIC RESISTANCE HEATING NOT ALLOWED.
- OCCUPANCY SENSORS ARE TO BE SET TO TURN LIGHTS OFF AFTER 15 MINUTES.
- DAYLIGHT RESPONSIVE CONTROLS ARE TO BE PROVIDED AND INSTALLED WHERE REQUIRED

GOVERNING ENERGY CODE:

- ALL WORK SHALL CONFORM TO THE CURRENT 2018 WASHINGTON STATE ENERGY CODE
- REQUIRED INSULATION VALUES FOR CONDITION SPACES
- BUILDING SPACE TYPE HEAT IS "OTHER" (ALL OTHERS INCLUDING HEAT PUMPS AND VARIABLE
- OCCUPANCY SENSOR CONTROLS SHALL BE PROVIDED AND INSTALLED TO CONTROL LIGHTING IN ADDITION TO THE MANUAL CONTROLS.
- TO COMPLY WITH WSEC C405.2.4.1

OCCUPANCY CA	ALCULATIONS **	
BUSINESS (MERCANTILE)	304.1 / TABLE 1004.5	

SALES AREA 11,050 SF 60 SF/OCC. 185 OCC. 2,121 SF 300 SF/OCC 15 OCC. BACK OF HOUSE

NON-OCCUPIABLE SPACES: RESTROOMS 148 SF

TOTAL OCCUPANTS: 194

** SF AREAS & OCCUPACIES SHOWN FOR REFERENCE ONLY, NO ACTUAL INTERIOR SPACES TO

NOT IN SCOPE

LEGAL DESCRIPTION

SITE / BUILDING INFORMATION

TAXPAYER

TAX PARCEL NUMBER

PROJECT ADDRESS

SITE STATISTICS

ZONE

SITE AREA

ALLOWABLE LOT COVERAGE

FRONT

REAR

BUILDING STATISTICS (EXISTING)

CONSTRUCTION TYPE

OCCUPANCY TYPE/USE

PROJECT AREA *

HEIGHT - ALLOWABLE/ ACTUAL

BUILDING AREA - ALLOWABLE/ ACTUAL

ALLOWABLE FAR

ACTUAL FAR

REQUIRED BUILDING SETBACKS

WRI-URS SOUTH HILL LLC

500 N BROADWAY, STE 201

JERICHO, NJ 11753

4102 S MERIDIAN

PUYALLUP, WA 98373

EXISTING, NO CHANGE

EXISTING, NO CHANGE;

EXISTING, NO CHANGE; (62,750 GSF)

TYPE III-B, FULLY-SPRINKLERED

EXISTING, NO CHANGE; (13,171 GSF)

EXISTING NO CHANGE; (M, MERCANTILE)

URBAN CENTER MIXED USE (UCX)

EXISTING, NO CHANGE; (230,868 SF/ 5.3 AC)

0419095021

SECTION 09 TOWNSHIP 19 RANGE 04 QUARTER 11 : PARCEL `A` OF DBLR 2000-11-29-5002 DESC AS THAT POR OF NE OF NE & L 4 OF S P AMEND 99-04-09-5014 DESC AS FOLL COM AT NE COR OF SEC TH S ALG E LI OF NE & C/L OF SR 161 671.18 FT TO NE COR OF SE OF NE OF NE TH W

BUILDING AREAS

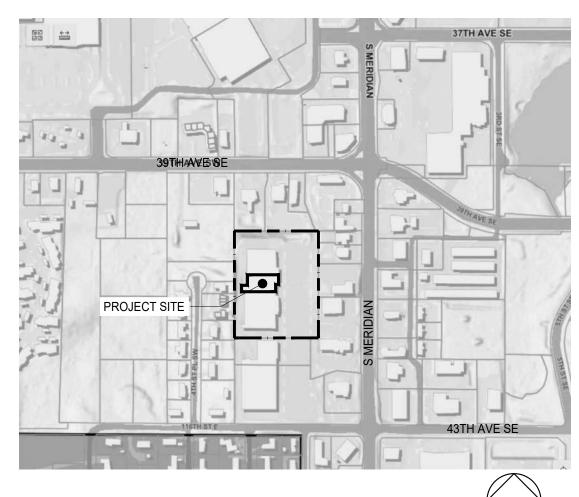
OVERALL BUILDING AREAS: 2018 INTERNATIONAL BUILDING CODE

EXTERIOR FOOTPRINT FULL BUILDING 62,750 SF

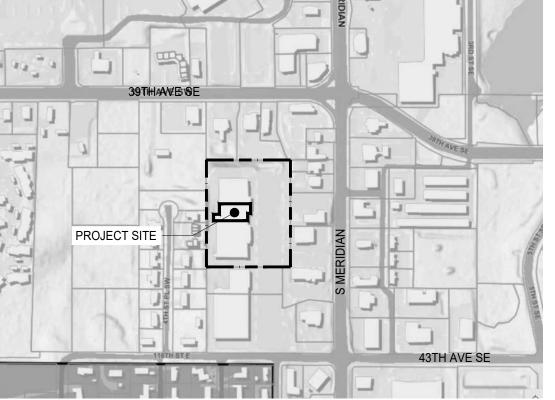
NO CHANGE TO EXISTING SPACES EXISTING SITE AREA 230,868 SF

AREA OF WORK AREA OF WORK - ACTUAL *

62,750 SF (OVERALL BUILDING) 13,171 SF (SPACE 10, PROJECT SITE)



VICINITY MAP NTS



LOCATION MAP



GENERAL NOTES

- 1. THE APPROVED PLANS SHALL NOT BE CHANGED OR ALTERED WITHOUT AUTHORIZATION FROM THE BUILDING OFFICIAL. THE APPROVED PLANS ARE REQUIRED TO BE ON THE JOB SITE. 2. CONTRACTOR SHALL VERIFY AND CHECK ALL CONDITIONS AND DIMENSIONS AT THE BUILDING.
- REPORT ANY INCONSISTENCIES TO THE ARCHITECT.
- 3. ALL WORK SHALL MEET LOCAL CODES AND ORDINANCES.
- 4. ALL NAILING SHALL COMPLY WITH NAILING SCHEDULE OF THE IBC. 5. COMPLIANCE CARD TO BE POSTED VERIFYING INSULATION INSTALLED IN WALL, CEILINGS, AND
- FLOORS (IF REQUIRED). 6. ALL WOOD COMING IN CONTACT WITH CONCRETE SHALL BE PRESSURE TREATED (DECAY RESISTANT).
- 7. IF ANY ERRORS, OMISSIONS OR INCONSISTENCIES APPEAR IN THE DRAWINGS, SPECIFICATIONS, OR OTHER DOCUMENTS, THE CONTRACTOR SHALL NOTIFY THE OWNER OR ARCHITECT IN
- WRITING OF SUCH OMISSIONS, ERRORS, OR INCONSISTENCIES BEFORE PROCEEDING WITH THE WORK, OR ACCEPT FULL RESPONSIBILITY FOR COSTS TO RECTIFY SAME.
- 8. TYPICAL DETAILS OR BUILDING STANDARDS SHALL APPLY WHERE NO SPECIFIC DETAILS ARE 9. ALL DIMENSIONS ARE MEASURED TO OUTSIDE FACE OF FRAMING.
- 10. ALL DIMENSIONS SHALL TAKE PRECEDENCE OVER SCALE SHOWN ON PLANS, ELEVATIONS, SECTIONS, AND DETAILS.
- 11. ALL EXIT DOORS TO BE OPERABLE FROM INSIDE THE BUILDING WITHOUT KEYS OR SPECIAL
- KNOWLEDGE OR EFFORT. 12. FIRE EXTINGUISHERS SHALL BE PROVIDED PER NFPA #10, OR REQUIREMENTS OF LOCAL FIRE
- 13. ALL EQUALS TO BE SUBMITTED TO ARCHITECT FOR APPROVAL PRIOR TO CONSTRUCTION.
- 14. BIDDER DESIGN WORK TO BE APPROVED BY OWNER AND ARCHITECT PRIOR TO CONSTRUCTION. 15. MANUALLY OPERATED FLUSH BOLTS ARE NOT PERMITTED AND NO MORE THAN ONE OPERATION
- FOR THE UNLATCHING IS ALLOWED. 16. ALL NEW CONCRETE MUST HAVE A MINIMUM COMPRESSIVE STRENGTH OF 3,000 PSI.

PROJECT TEAM

ARCHITECT:

JACKSON | MAIN ARCHITECTURE 311 FIRST AVE S SEATTLE, WA 98104 (206) 324-4800

CONTACT: DAVID HUANG, PROJECT MANAGER DAVID.HUANG@JACKSONMAIN.COM

KIMCO REALTY 4065 FACTORIA MALL SE

BELLEVUE, WA 98008

(425) 505-3745 CONTACT: PETER EMSKY, DIRECTOR OF CONSTRUCTION

EMAIL: PEMSKY@KIMCOREALTY.COM

GENERAL CONTRACTOR:

POWELL RYKA 2625 NORTHUP WAY BELLEVUE, WA 98004 (425) 828-4774

CONTACT: RYAN BREHM EMAIL: RBREHM@POWELLRYKA.COM

MECHANICAL PLUMBING METRIX ENGINEERS 227 WILLIAMS AVE S. RENTON, WA 98057 (425) 336-2822 CONTACT: SCOTT MILLER

EMAIL: SCOTTMILLER@METRIXENG.COM CASE ENGINEERING 19515 NORTH CREEK PARKWAY, SUITE 302 BOTHELL, WA 98011 (425) 402-9400, EXT 120

PROJECT SCOPE

CONTACT: SCOTT GORE

SCOTT@CASEENG.COM

PROJECT SCOPE INVOLVES THE CONSTRUCTION OF A NEW EXTERIOR ENTRY FEATURE FOR TENANT SPACE (10), ENCLOSING THE BUILDING ENVELOPE WHERE PREVIOUS DEMOLITION WORK PERMITTED, ERECTION OF A NEW FULL-HEIGHT DEMISING WALL, INSTALLING NEW PLUMBING AND ELECTRICAL/ UTILITY SUPPLY LINES AS REQUIRED FOR FUTURE TENANT USE.

EXISTING FIRE SPRINKLERS AND ALARMS TO REMAIN INTACT AND OPERATIONAL DURING CONSTRUCTION WORK.

ASSOCIATED SUBMITTALS

DEMOLITION PERMIT: PRDE20240877 (ISSUED 06/13/2024)

DRAWING INDEX

GENERAL INFO / SITE PLAN OVERALL FLOOR PLAN A2.01 FLOOR PLAN

EXTERIOR ELEVATIONS **ENLARGED SECTIONS** ENVELOPE ASSEMBLIES/DETAILS PROJECT IMAGERY

GENERAL STRUCTURAL NOTES FRAMING PLANS

STRUCTURAL DETAILS PLUMBING LEGEND AND GENERAL NOTES PLUMBING DEMOLITION ROFO PLAN UNDERGROUND PLUMBING PLAN

PLUMBING FLOOR PLAN PLUMBING ROOF PLAN

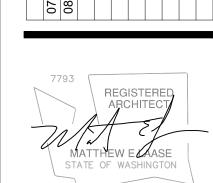
ELECTRICAL LEGEND, SCHEDULES ELECTRICAL SITE PLAN

LARGE SCALE POWER/ COMMUNICATIONS & LIGHTING PLAN RISER DIAGRAM, PANEL SCHEDULES & LOAD SUMMARIES

311 FIRST AVENUE SOUTH SEATTLE, WA 98104 t 206.324.4800 WWW.JACKSONMAIN.COM

PRCTI20241072

О Ш



COVER SHEET

SCALE: 1" = 30'-0"

SITE PLAN

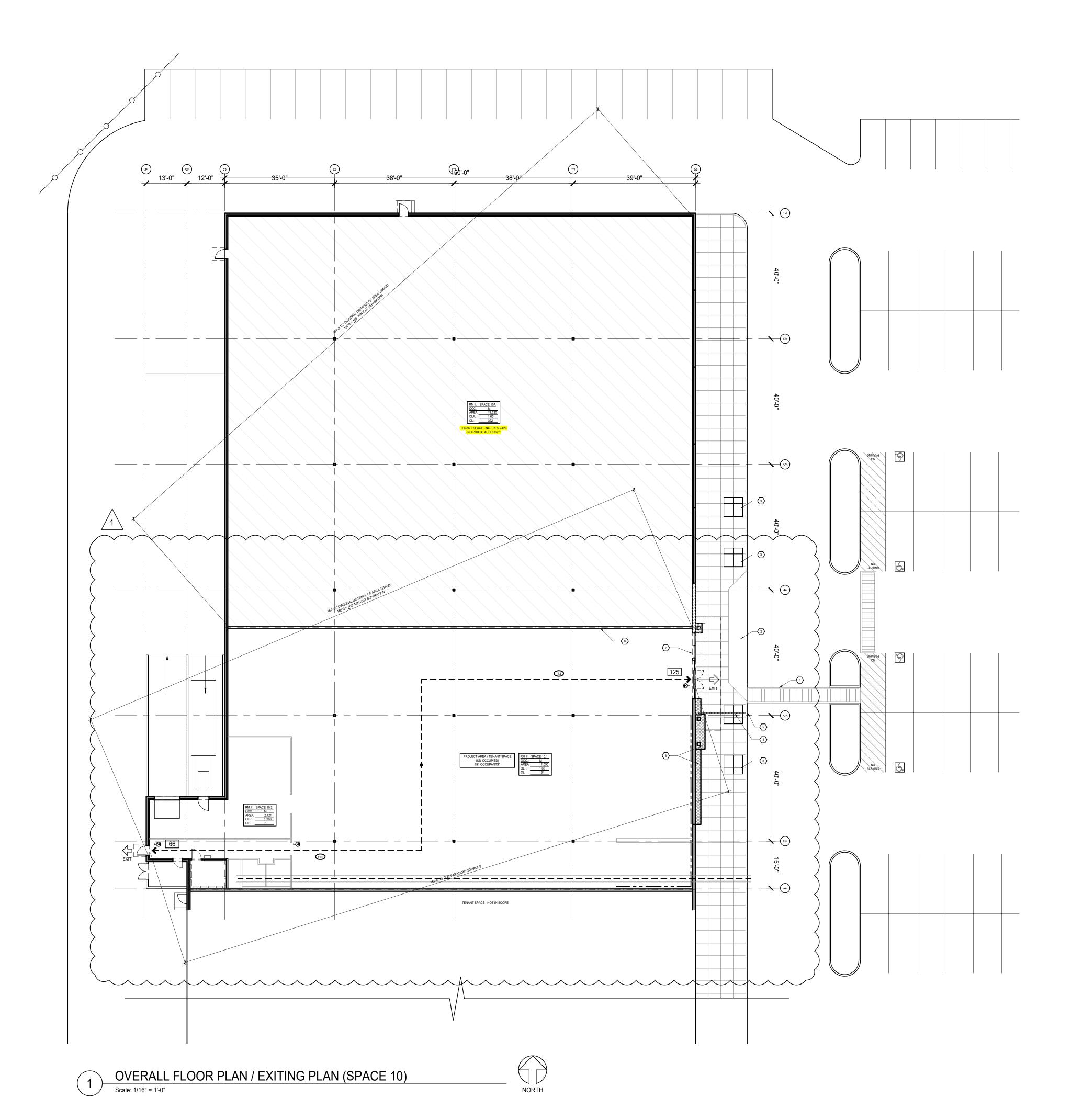
NOT IN SCOPE (SPACE 10A)

PROJECT SITE

(SPACE 10)

NOT IN SCOPE

(SPAÇE 9)



GENERAL NOTES

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- 14. BIDDER DESIGN WORK TO BE APPROVED BY OWNER AND ARCHITECT PRIOR TO CONSTRUCTION.
 15. MANUALLY OPERATED FLUSH BOLTS ARE NOT PERMITTED AND NO MORE THAN ONE

16. ALL NEW CONCRETE MUST HAVE A MINIMUM COMPRESSIVE STRENGTH OF 3,000 PSI.

KEYNOTES

EXISTING PEDESTRIAN CROSSING TO REMAIN.

OPERATION FOR THE UNLATCHING IS ALLOWED.

- EXISTING CURB RAMP AT REMAIN.
 NEW CONCRETE WORK, MATCH EXISTING CONDITIONS.
- CONCRETE CHANNEL DRAIN WITH S.S. GRATE COVER (ADA COMPLIANT).
 DRAIN OUTLET TO DRIVE AISLE/ASPHALT.
- 6. NEW EXTERIOR ENTRY FEATURE.
- 7. EXISTING STOREFRONT ENTRY.8. NEW FULL-HEIGHT DEMISING WALL.

LIFE SAFETY CALCULATIONS (SPACE 10)

* BASED OFF OF 191 OCCUPANTS

(OCCUPANCY CALCULATIONS SHOWN FOR REFERENCE ONLY. THIS PERMIT SUBMITTAL HAS NO OCCUPANTS OTHER THAN ON-SITE CONTRACTING STAFF)

PER IBC 1005.3.2

EXIT WIDTH:
REQUIRED DOOR EXIT WIDTH: 191 x 0.20" = 38.2"
PROVIDED DOOR EXIT WIDTH: 60" + 32" = 92"

PER IBC TABLE 1006.3.2

EXITS:
• 2 REQUIRED, 2 PROVIDED

A. PER IBC 1007.1.1.2, WHERE TWO EXITS, EXIT ACCESS DOORWAYS, EXIT ACCESS STAIRWAYS OR RAMPS, OR ANY COMBINATION THEREOF, ARE REQUIRED FOR ANY PORTION OF THE EXIT ACCESS, THEY SHALL BE PLACED A DISTANCE APART EQUAL TO NOT LESS THAN ONE THIRD OF THE LENGTH OF THE OVERALL DIAGONAL DIMENSION OF THE BUILDING OR AREA TO BE

OVERALL BUILDING DIAGONAL: 187'-10"
 MINIMUM REQUIRED EXIT SEPARATION: 62'-8"
 EXIT SEPARATION PROVIDED: 181'-6"

B. PER IBC, SECTION 1017.2, TABLE 1017.2, EXIT ACCESS TRAVEL DISTANCE IN A OCCUPANCY BUILDINGS SHALL NOT EXCEED 250 FT IN BUILDINGS EQUIPPED THROUGHOUT WITH AN AUTOMATIC SPRINKLER SYSTEM IN ACCORDANCE WITH SECTION 903.3.1.1.

• EXIT PATH A: 113' • EXIT PATH B: 113'

- C. GENERAL CONTRACTOR SHALL VERIFY EXISTING FIRE EXTINGUISHER CONDITION AND LOCATIONS AND UPGRADE AS NEEDED TO MEET THE REQUIREMENTS OF THE 2021 INTERNATIONAL FIRE CODE AND NFPA 10:
- FIRE EXTINGUISHERS SHALL BE MOUNTED ALONG EGRESS PATHS WHEREVER POSSIBLE WITH TOPS AT NO MORE THAN 60" A.F.F. AND BOTTOMS AT NO LESS THAN 4" A.F.F.2. THE MINIMUM FIRE EXTINGUISHER RATING SHALL BE 2A:10B:C FOR LIGHT HAZARD
- OCCUPANCIES (SUCH AS MERCANTILE).

 2. THE MINIMUM FIRE EXTINGUISHER RATING SHALL BE 4A:10B:C FOR HIGH HAZARD
- 2. THE MINIMUM FIRE EXTINGUISHER RATING SHALL BE 4A:10B:C FOR HIGH HAZ

 OCCUPANCIES (SUCH AS HIGH-PILE STORAGE).
- THE MAXIMUM TRAVEL DISTANCE TO AN EXTINGUISHER SHALL BE 75 FT.
 EACH UNIT OF "A" MAY COVER UP TO 3,000 SQ. FT. OF FLOOR AREA IN ORDINARY HAZARD OCCUPANCIES, AND UP TO 1,000 SQ. FT. OF FLOOR AREA IN HIGH HAZARD OCCUPANCIES.
 ADDITIONAL EXTINGUISHERS MAY BE REQUIRED DUE TO SPECIFIC HAZARDS AS OUTLINED

IN SECTION 906 OF THE 2021 INTERNATIONAL FIRE CODE; VERIFY ON SITE WITH INSPECTOR

LIFE SAFETY CALCULATIONS (SPACE 10A)**

** BASED OFF ASSUMPTION OF 322 OCCUPANTS PER SPACE AREA ONLY.
(OCCUPANCY CALCULATIONS SHOWN FOR REFERENCE ONLY. THIS PERMIT SUBMITTAL HAS NO OCCUPANTS OTHER THAN ON-SITE CONTRACTING STAFF)

PER IBC 1005.3.2 EXIT WIDTH:

AS NEEDED.

EXIT WIDTH:

• REQUIRED DOOR EXIT WIDTH: 322 x 0.20" = 64.4"

PER IBC TABLE 1006.3.2

EXITS:

2 REQUIRED

OVERALL BUILDING DIAGONAL: 197'-4"
 MINIMUM REQUIRED EXIT SEPARATION: 65'-6"

LIFE AND LIFE SAFETY NOTES

- A. CONFIGURE FIRE DETECTION, INTERNAL ALARM AND CENTRAL REPORTING SYSTEMS IN ACCORDANCE WITH THE NATIONAL FIRE PROTECTION ASSOCIATION AND IN COMPLIANCE WITH THE GOVERNING EDITIONS OF ADA, ANSI AND THE BLDG. CODE. THE EQP. FURNISHED SHALL BE COMPATIBLE AND BE UL LISTED, FM APPROVED OR LISTED BY A NATIONALLY RECOGNIZED TESTING LABORATORY IN ACCORDANCE WITH THE APPLICABLE NATIONAL FIRE PROTECTION ASSOCIATION STANDARDS.
- ALL INSULATION INDICATED ON PLANS SHALL COMPLY WITH OR EXCEED THE REQUIREMENTS OF THE MOST RESTRICTIVE PREVAILING BUILDING CODE GOVERNING EDITION) FOR SMOKE DENSITY AND FLAME SPREAD.

 PROVIDE EMERGENCY EXIT / EGRESS ILLUMINATION AND SIGNAGE WHERE REQUIRED BY
- PROVIDE EMERGENCY EXIT / EGRESS ILLUMINATION AND SIGNAGE WHERE REQUIRED BY PREVAILING LOCAL JURISDICTION, BUILDING CODE, NFDA, OR NFPA (CURRENT EDITION).

 D. REFER TO FLOOR PLANS FOR SPECIFIC DIMENSIONS AND CLEARANCES.

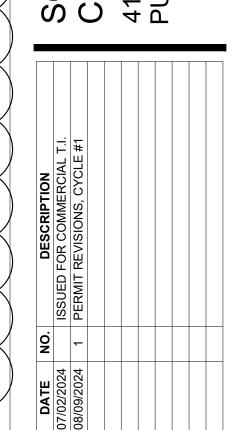
 E. BUILDING IS FULLY SPRINKLED PER SECTION 903.3 NFPA13.
- F. COORDINATE ALL ELECTRICAL WORK, INCLUDING EXIT SIGNS AND EMERGENCY LIGHTING WITH ELECTRICAL ENGINEER.
 G. PROVIDE EGRESS ILLUMINATION PER WSBC 1006. EGRESS ILLUMINATION TO BE ON BACKUP POWER AT ALL AREAS WHERE TWO EXITS ARE REQUIRED. GENERAL POWER SUPPLY FOR THE MEANS OF EGRESS ILLUMINATION SHALL BE PROVIDED BY THE PREMISES' ELECTRICAL SUPPLY. THE LIGHTING LEVEL SHALL NOT BE LESS THAN 1 FOOT CANDLE AT THE WALKING
- SURFACE LEVEL REQUIRED IN, BUT NOT LIMITED TO, LANDINGS AT EXTERIOR EXIT DOORS.
 H. PROVIDE TACTILE EXIT SIGNAGE AT EACH EXIT DOOR TO AN EXIT PASSAGEWAY, AND EXIT DISCHARGE AS REQUIRED BY CODE.
 I. COORDINATE ALL ELECTRICAL WORK, INCLUDING EXIT SIGNS AND EMERGENCY LIGHTING WITH GENERAL CONTRACTOR.

JACKSON | MAIN
ARCHITECTURE
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SEATTLE, WA 98104
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WWW.JACKSONMAIN.COM

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FACTORIA MALL SE, SUITE F10. EVUE, WASHINGTON. 98006

TH HILL CENTER - SPACE 10
MERCIAL TENANT IMPROVE

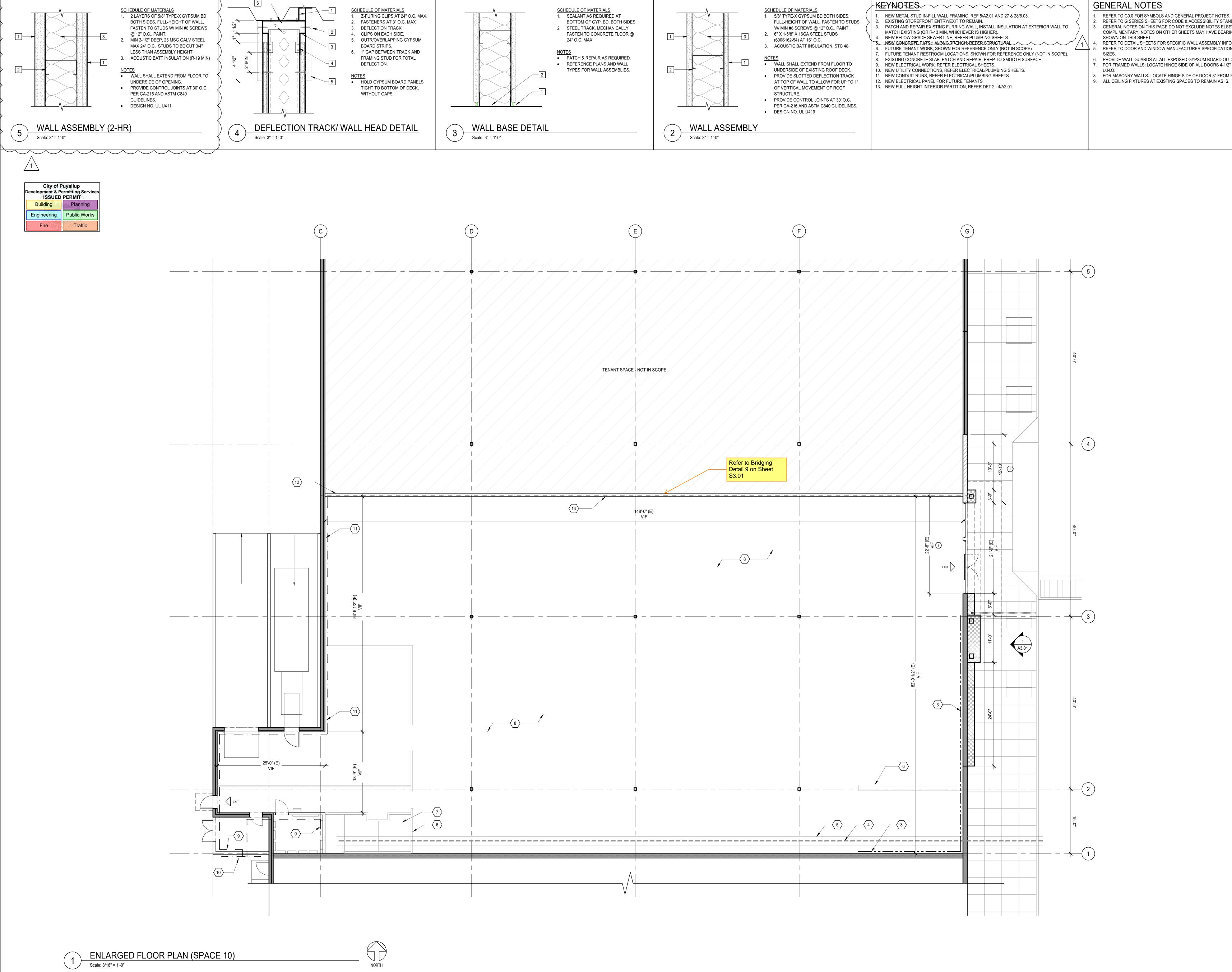




DJECT NO.: 23149 DJECT MGR.: WN BY: CKED BY:

OVERALL FLOOR PLAN

AZ.UU



GENERAL NOTES

- 1. REFER TO G0.0 FOR SYMBOLS AND GENERAL PROJECT NOTES. 2. REFER TO G SERIES SHEETS FOR CODE & ACCESSIBILITY STANDARDS. GENERAL NOTES ON THIS PAGE DO NOT EXCLUDE NOTES ELSEWHERE: THIS DOCUMENT SET IS
- COMPLIMENTARY; NOTES ON OTHER SHEETS MAY HAVE BEARING/ APPLICATION TO WORK REFER TO DETAIL SHEETS FOR SPECIFIC WALL ASSEMBLY INFORMATION.
- 5. REFER TO DOOR AND WINDOW MANUFACTURER SPECIFICATIONS FOR ACTUAL ROUGH OPENING
- PROVIDE WALL GUARDS AT ALL EXPOSED GYPSUM BOARD OUTSIDE CORNERS IN PUBLIC AREAS. 7. FOR FRAMED WALLS: LOCATE HINGE SIDE OF ALL DOORS 4-1/2" FROM PERPENDICULAR FRAMING
- 8. FOR MASONRY WALLS- LOCATE HINGE SIDE OF DOOR 8" FROM PERPENDICULAR WALL U.N.O.

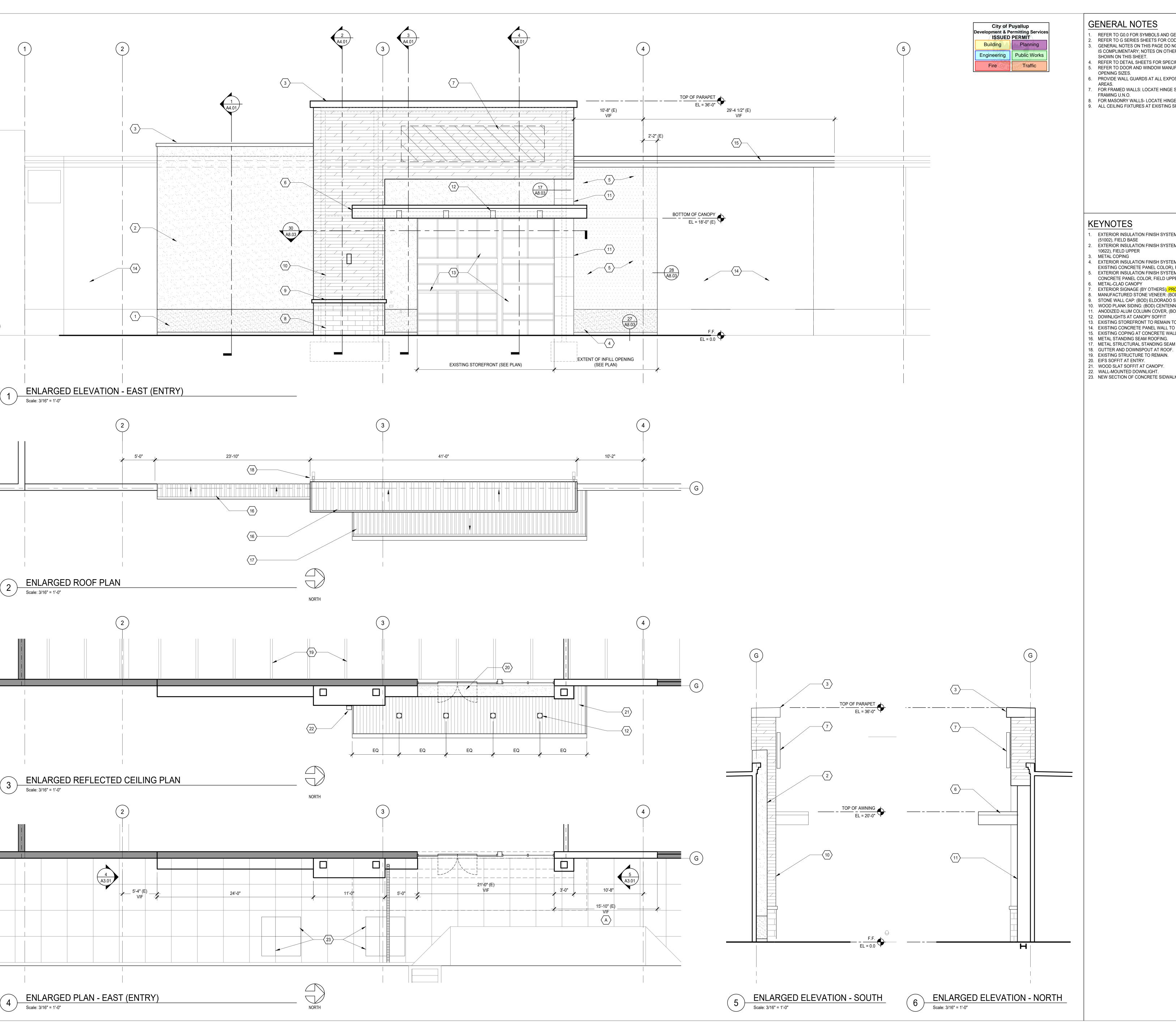
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FLOOR PLAN

A2.01



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- FOR FRAMED WALLS: LOCATE HINGE SIDE OF ALL DOORS 4-1/2" FROM PERPENDICULAR
- FOR MASONRY WALLS- LOCATE HINGE SIDE OF DOOR 8" FROM PERPENDICULAR WALL U.N.O.
 ALL CEILING FIXTURES AT EXISTING SPACES TO REMAIN AS IS.

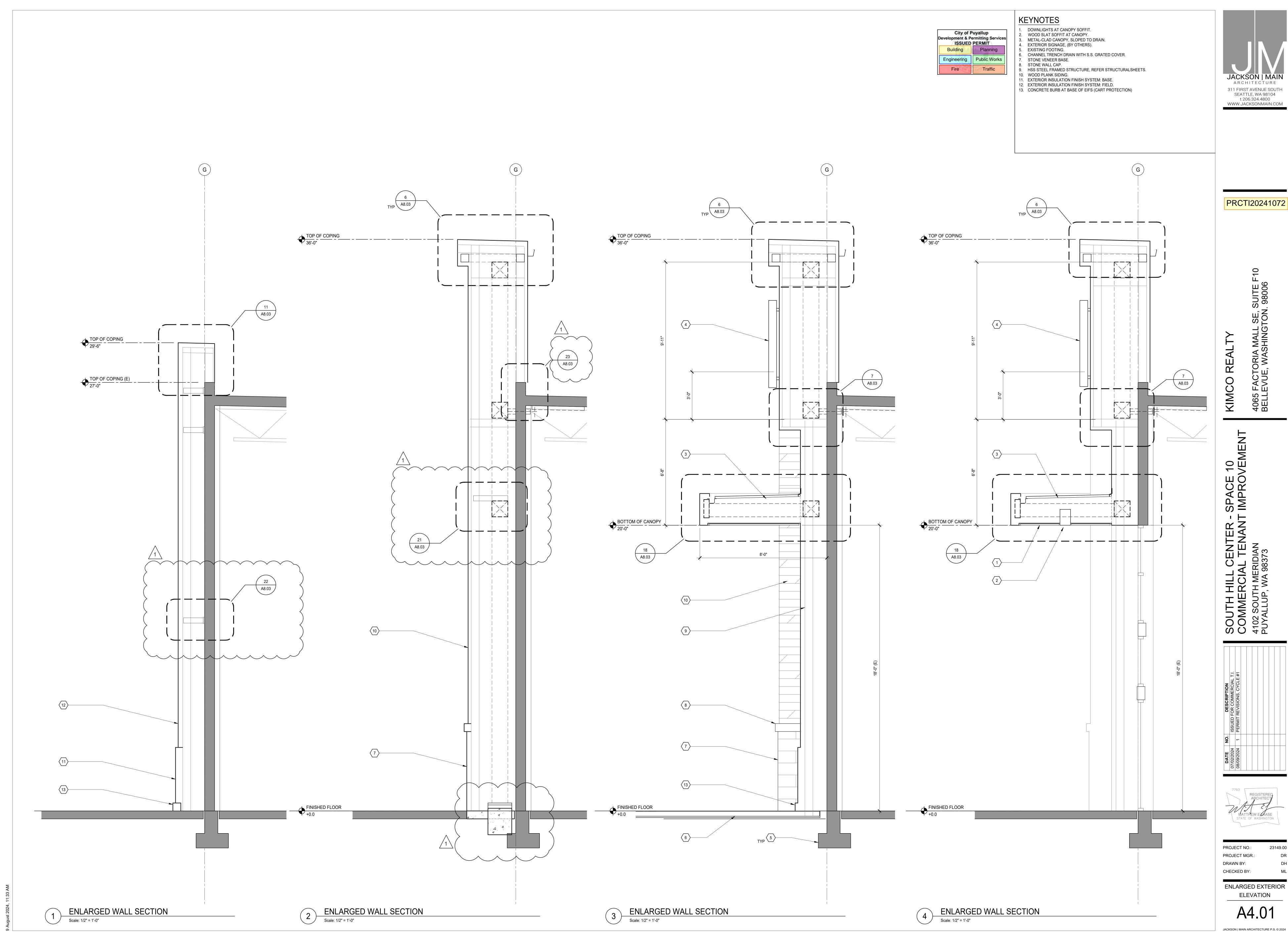
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- 1. EXTERIOR INSULATION FINISH SYSTEM: (BOD) STO THERM CI XPS; DECOCOAT, PEPPER SAND
- 2. EXTERIOR INSULATION FINISH SYSTEM: (BOD) STO THERM CI XPS; TEXTURED FINISH, PEARL (60 10622), FIELD UPPER
- 4. EXTERIOR INSULATION FINISH SYSTEM: (BOD) STO THERM CI XPS; STOLIT LOTUSAN 1.0 (MATCH
- EXISTING CONCRETE PANEL COLOR), FIELD BASE 5. EXTERIOR INSULATION FINISH SYSTEM: (BOD) STO THERM CLXPS; DECOCOAT, MATCH EXISTING
- CONCRETE PANEL COLOR, FIELD UPPER 6. METAL-CLAD CANOPY
- 7. EXTERIOR SIGNAGE (BY OTHERS)<mark>, PROVIDE 3/4" FRT PLYWD BACKING.</mark>
- 8. MANUFACTURED STONE VENEER: (BOD) ELDORADO STONE; RIDGETOP 18, GRANITE SPIRE
- 9. STONE WALL CAP: (BOD) ELDORADO STONE; 10. WOOD PLANK SIDING: (BOD) CENTENNIAL WOOD
- 11. ANODIZED ALUM COLUMN COVER, (BOD) PAC-CLAD; SLATE GRAY
- 12. DOWNLIGHTS AT CANOPY SOFFIT
- 13. EXISTING STOREFRONT TO REMAIN TO REMAIN.
- 14. EXISTING CONCRETE PANEL WALL TO REMAIN. 15. EXISTING COPING AT CONCRETE WALL TO REMAIN.
- 17. METAL STRUCTURAL STANDING SEAM ROOFING AT CANOPY.
- 19. EXISTING STRUCTURE TO REMAIN.
- 21. WOOD SLAT SOFFIT AT CANOPY.
- 23. NEW SECTION OF CONCRETE SIDWALK, MATCH EXISTING.

PRCTI20241072

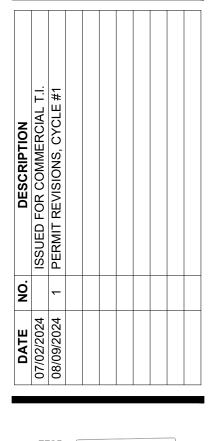


ENLARGED EXTERIOR ELEVATION



JACKSON | MAIN

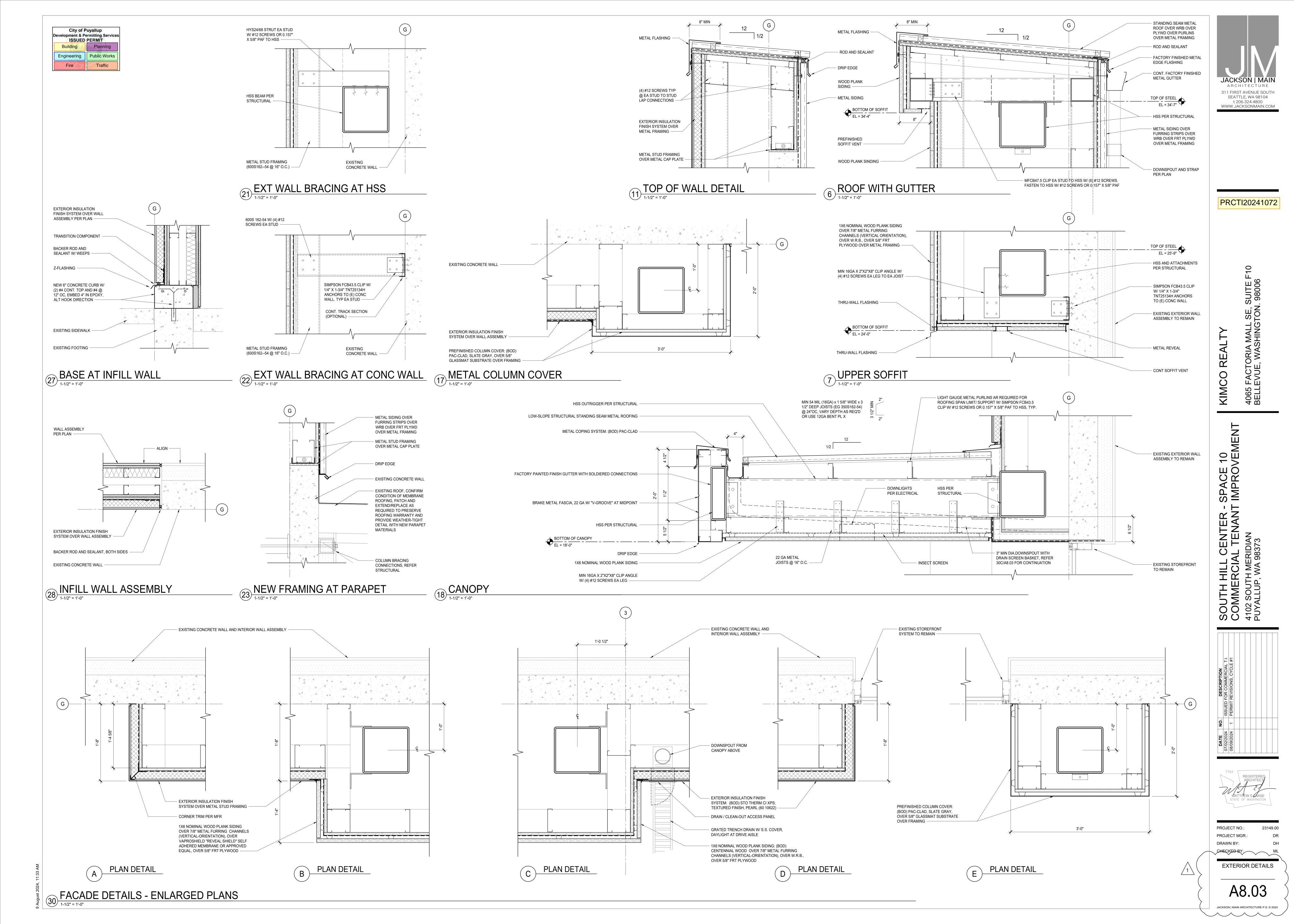
PRCTI20241072





ENLARGED EXTERIOR ELEVATION

A4.01



2. DESIGN LOADING CRITERIA:

RFTATI

ENVIRONMENTAL LOADS
RISK CATEGORY II

EARTHOUAKE:

ANALYSIS PROCEDURE: EQUIVALENT LATERAL FORCE PROCEDURE LATERAL SYSTEM: LIGHT FRAMED SHEAR WALLS SITE CLASS=D (DEFAULT), Ss=1.26, Sds=1.01, S1=0.44, SDC D, Ie=1.0

- 3. PRIMARY STRUCTURAL ELEMENTS NOT DIMENSIONED ON THE STRUCTURAL PLANS AND DETAILS SHALL BE LOCATED BY THE ARCHITECTURAL PLANS AND DETAILS. VERTICAL DIMENSION CONTROL IS DEFINED BY THE ARCHITECTURAL WALL SECTIONS, BUILDING SECTION, AND PLANS. DETAILING AND SHOP DRAWING PRODUCTION FOR STRUCTURAL ELEMENTS WILL REQUIRE DIMENSIONAL INFORMATION CONTAINED IN BOTH ARCHITECTURAL AND STRUCTURAL DRAWINGS.
- 4. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL SAFETY PRECAUTIONS AND THE METHODS, TECHNIQUES, SEQUENCES OR PROCEDURES REQUIRED TO PERFORM THE CONTRACTORS WORK. THE STRUCTURAL ENGINEER HAS NO OVERALL SUPERVISORY AUTHORITY OR ACTUAL AND/OR DIRECT RESPONSIBILITY FOR THE SPECIFIC WORKING CONDITIONS AT THE SITE AND/OR FOR ANY HAZARDS RESULTING FROM THE ACTIONS OF ANY TRADE CONTRACTOR. THE STRUCTURAL ENGINEER HAS NO DUTY TO INSPECT, SUPERVISE, NOTE, CORRECT, OR REPORT ANY HEALTH OR SAFETY DEFICIENCIES TO THE OWNER, CONTRACTORS, OR OTHER ENTITIES OR PERSONS AT THE PROJECT SITE.
- 5. CONTRACTOR SHALL PROVIDE TEMPORARY BRACING FOR THE STRUCTURE AND STRUCTURAL COMPONENTS UNTIL ALL FINAL CONNECTIONS HAVE BEEN COMPLETED IN ACCORDANCE WITH THE PLANS. CONFORM TO ASCE 37-14 "DESIGN LOADS ON STRUCTURES DURING CONSTRUCTION".
- 6. SHOP DRAWINGS FOR THE FOLLOWING ITEMS SHALL BE SUBMITTED TO THE ARCHITECT AND STRUCTURAL ENGINEER FOR REVIEW PRIOR TO FABRICATION OF THESE ITEMS.

METAL DECKING STRUCTURAL STEEL

APPROVED SETS OF ALL SHOP DRAWINGS SHALL ALSO BE SUBMITTED TO THE BUILDING DEPARTMENT WHERE REQUIRED.

7. SHOP DRAWING REVIEW: DIMENSIONS AND QUANTITIES ARE NOT REVIEWED BY THE ENGINEER OF RECORD, THEREFORE MUST BE VERIFIED BY THE CONTRACTOR. CONTRACTOR SHALL REVIEW AND STAMP DRAWINGS PRIOR TO REVIEW BY ENGINEER OF RECORD. CONTRACTOR SHALL REVIEW DRAWINGS FOR CONFORMANCE WITH THE MEANS, METHODS, TECHNIQUES, SEQUENCES AND OPERATIONS OF CONSTRUCTION, AND ALL SAFETY PRECAUTIONS AND PROGRAMS INCIDENTAL THERETO. SUBMITTALS SHALL INCLUDE A REPRODUCIBLE AND ONE COPY; REPRODUCIBLE WILL BE MARKED AND RETURNED WITHIN TWO WEEKS OF RECEIPT WITH A NOTATION INDICATING THAT THE SUBMITTAL HAS BEEN FOUND TO BE IN GENERAL CONFORMANCE WITH THE DESIGN OF THE BUILDING. THE SUBMITTED ITEMS SHALL NOT BE INSTALLED UNTIL THEY HAVE BEEN APPROVED BY THE BUILDING OFFICIAL.

QUALITY ASSURANCE

8. SPECIAL INSPECTION SHALL BE PROVIDED IN ACCORDANCE WITH THE PROJECT SPECIFICATIONS AND SECTIONS 110 AND 1705 OF THE INTERNATIONAL BUILDING CODE BY A QUALIFIED TESTING AGENCY DESIGNATED BY THE ARCHITECT, AND RETAINED BY THE BUILDING OWNER. THE ARCHITECT, STRUCTURAL ENGINEER, AND BUILDING DEPARTMENT SHALL BE FURNISHED WITH COPIES OF ALL INSPECTION AND TEST RESULTS. SPECIAL INSPECTION OF THE FOLLOWING TYPES OF CONSTRUCTION IS REQUIRED UNLESS NOTED OTHERWISE.

STRUCTURAL STEEL FABRICATION AND ERECTION PER AISC 360
EXPANSION BOLTS AND THREADED EXPANSION INSERTS PER MANUFACTURER
EPOXY GROUTED INSTALLATIONS PER MANUFACTURER

PERIODIC INSPECTION: INSPECTION SHALL BE PERFORMED AT INTERVALS NECESSARY TO CONFIRM THAT WORK REQUIRING SPECIAL INSPECTION IS IN COMPLIANCE WITH REQUIREMENTS.

CONTINUOUS INSPECTION: INSPECTOR SHALL BE ONSITE AND OBSERVE THE WORK REQUIRING INSPECTION AT ALL TIMES THAT WORK IS PERFORMED.

GEOTECHNICAL

9. FOUNDATION NOTES: ALLOWABLE SOIL PRESSURE AND LATERAL EARTH PRESSURE ARE ASSUMED AND THEREFORE MUST BE VERIFIED BY A QUALIFIED SOILS ENGINEER OR APPROVED BY THE BUILDING OFFICIAL. IF SOILS ARE FOUND TO BE OTHER THAN ASSUMED, NOTIFY THE STRUCTURAL ENGINEER FOR POSSIBLE FOUNDATION REDESIGN.

FOOTINGS SHALL BEAR ON FIRM, UNDISTURBED EARTH AT LEAST 18" BELOW ADJACENT FINISHED GRADE. UNLESS OTHERWISE NOTED, FOOTINGS SHALL BE CENTERED BELOW COLUMNS OR WALLS ABOVE.

BACKFILL BEHIND ALL RETAINING WALLS WITH FREE DRAINING, GRANULAR FILL AND PROVIDE FOR SUBSURFACE DRAINAGE.

10. DEMOLITION: CONTRACTOR SHALL VERIFY ALL EXISTING CONDITIONS BEFORE COMMENCING ANY DEMOLITION. SHORING SHALL BE INSTALLED TO SUPPORT EXISTING CONSTRUCTION AS REQUIRED IN A MANNER SUITABLE TO THE WORK SEQUENCES. DEMOLITION DEBRIS SHALL NOT BE ALLOWED TO DAMAGE OR OVERLOAD THE EXISTING STRUCTURE. LIMIT CONSTRUCTION LOADING (INCLUDING DEMOLITION DEBRIS) ON EXISTING FLOOR SYSTEMS TO 40 PSF.

11. CONTRACTOR SHALL VERIFY ALL EXISTING DIMENSIONS, MEMBER SIZES, AND CONDITIONS PRIOR TO COMMENCING ANY WORK. ALL DIMENSIONS OF EXISTING CONSTRUCTION SHOWN ON THE DRAWINGS ARE INTENDED AS GUIDELINES ONLY AND MUST BE VERIFIED. THE CONTRACTOR SHALL NOTIFY THE ARCHITECT AND STRUCTURAL ENGINEER IF EXISTING CONDITIONS DETERMINED DURING WORK VARY FROM THE EXISTING CONSTRUCTION SHOWN ON THE DRAWINGS.

CONCRETE

- 12. CONCRETE SHALL BE MIXED, PROPORTIONED, CONVEYED AND PLACED IN ACCORDANCE WITH ACI 301, INCLUDING TESTING PROCEDURES. CONCRETE SHALL ATTAIN A 28-DAY STRENGTH OF f'c = 3,000 PSI AND MIX SHALL CONTAIN NOT LESS THAN 5-1/2 SACKS OF CEMENT PER CUBIC YARD AND SHALL BE PROPORTIONED TO PRODUCE A SLUMP OF 5" OR LESS. REQUIRED CONCRETE STRENGTH IS BASED ON THE DURABILITY REQUIREMENTS OF SECTION 1904 OF THE IBC.
- 13. ALL CONCRETE WITH SURFACES EXPOSED TO WEATHER OR STANDING WATER SHALL BE AIR-ENTRAINED WITH AN AIR-ENTRAINING AGENT CONFORMING TO ASTM C260, C494, AND C618. TOTAL AIR CONTENT FOR FROST-RESISTANT CONCRETE SHALL BE IN ACCORDANCE WITH ACI 318-19, TABLE 19.3.2.1 MODERATE EXPOSURE, F1.
- 14. REINFORCING STEEL SHALL CONFORM TO ASTM A615 (INCLUDING SUPPLEMENT S1), GRADE 60, FY = 60,000 PSI. EXCEPTIONS: ANY BARS SPECIFICALLY SO NOTED ON THE DRAWINGS SHALL BE GRADE 40, FY = 40,000 PSI. WELDED WIRE FABRIC SHALL CONFORM TO ASTM A-185. SPIRAL REINFORCEMENT SHALL BE DEFORMED WIRE CONFORMING TO ASTM A615, GRADE 60, FY = 60,000 PSI.
- 15. DETAILING OF REINFORCING STEEL (INCLUDING HOOKS AND BENDS) SHALL BE IN ACCORDANCE WITH ACI 315R-18 AND 318-19. LAP ALL CONTINUOUS REINFORCEMENT #5 AND SMALLER 40 BAR DIAMETERS OR 2'-0" MINIMUM. PROVIDE CORNER BARS AT ALL WALL AND FOOTING INTERSECTIONS. LAP CORNER BARS #5 AND SMALLER 40 BAR DIAMETERS OR 2'-0" MINIMUM. LAPS OF LARGER BARS SHALL BE MADE IN ACCORDANCE WITH ACI 318-19, CLASS B. LAP ADJACENT MATS OF WELDED WIRE FABRIC A MINIMUM OF 8" AT SIDES AND ENDS.
- NO BARS PARTIALLY EMBEDDED IN HARDENED CONCRETE SHALL BE FIELD BENT UNLESS SPECIFICALLY SO DETAILED OR APPROVED BY THE STRUCTURAL ENGINEER.

16. CONCRETE PROTECTION (COVER) FOR REINFORCING STEEL SHALL BE AS FOLLOWS:

17. CONCRETE WALL REINFORCING--PROVIDE THE FOLLOWING UNLESS DETAILED OTHERWISE:

SLABS AND WALLS (INT. FACE). . . GREATER OF BAR DIAMETER PLUS 1/8" OR 3/4"

6" WALLS #4 @ 16 HORIZ. #4 @ 18 VERTICAL 1 CURTAIN 8" WALLS #4 @ 12 HORIZ. #4 @ 18 VERTICAL 1 CURTAIN 10" WALLS #4 @ 18 HORIZ. #4 @ 18 VERTICAL 2 CURTAINS 12" WALLS #4 @ 16 HORIZ. #4 @ 18 VERTICAL 2 CURTAINS

18. NON-SHRINK GROUT SHALL BE FURNISHED BY AN APPROVED MANUFACTURER AND SHALL BE MIXED AND PLACED IN STRICT ACCORDANCE WITH THE MANUFACTURER'S PUBLISHED RECOMMENDATIONS. GROUT STRENGTH SHALL BE AT LEAST EQUAL TO THE MATERIAL ON WHICH IT IS PLACED (3000 PSI MINIMUM).

ANCHORAGE

- 19. EPOXY-GROUTED ITEMS (THREADED RODS OR REINFORCING BAR) SPECIFIED ON THE DRAWINGS SHALL BE INSTALLED USING "SET-XP" HIGH STRENGTH EPOXY AS MANUFACTURED BY THE SIMPSON STRONG, TIE COMPANY. INSTALL IN STRICT ACCORDANCE WITH ICC-ES REPORT NO. ESR-2508. MINIMUM BASE MATERIAL TEMPERATURE IS 50 DEGREES, F. RODS SHALL BE ASTM A-36 UNLESS OTHERWISE NOTED. PERIODIC SPECIAL INSPECTION OF INSTALLATION IS REQUIRED TO VERIFY ANCHOR OR EMBEDDED BAR TYPE AND DIMENSIONS, LOCATION, ADHESIVE IDENTIFICATION AND EXPIRATION, HOLE DIMENSIONS, HOLE CLEANING PROCEDURE, ANCHOR EMBEDMENT, AND ADHERENCE TO THE INSTALLATION INSTRUCTIONS. CONTINUOUS SPECIAL INSPECTION IS REQUIRED FOR HORIZONTAL AND OVERHEAD INSTALLATIONS.
- 20. CONCRETE SCREW ANCHORS INTO CONCRETE AND CONCRETE MASONRY UNITS SHALL BE "TITEN HD" SCREW ANCHOR AS MANUFACTURED BY THE SIMPSON STRONG-TIE COMPANY, INSTALLED IN STRICT ACCORDANCE WITH ICC-ES REPORT NO. ESR-2713 (CONCRETE), NO. ESR-1056 (CMU), INCLUDING MINIMUM EMBEDMENT REQUIREMENTS. SCREW ANCHORS INTO CONCRETE MASONRY UNITS SHALL BE INTO FULLY GROUTED CELLS. SPECIAL INSPECTION IS REQUIRED.
- 21. DRIVE PINS AND OTHER POWDER-ACTUATED FASTENERS SHALL BE LOW VELOCITY TYPE (SERIES X-U, 0.157" DIAMETER (STEEL), UNLESS OTHERWISE NOTED) AS MANUFACTURED BY THE HILTI CORP. OR AN APPROVED EQUIVALENT IN STRENGTH AND EMBEDMENT. INSTALL IN STRICT ACCORDANCE WITH ICC-ES REPORT NO. ESR-2269. MINIMUM EMBEDMENT IN CONCRETE SHALL BE 1" UNLESS OTHERWISE NOTED. MAINTAIN AT LEAST 3" TO NEAREST CONCRETE EDGE.

STEEL

22. STRUCTURAL STEEL DESIGN, FABRICATION, AND ERECTION SHALL BE BASED ON:

C. SPECIFICATION FOR STRUCTURAL JOINTS USING HIGH-STRENGTH BOLTS.

A. AISC 360-16 AND SECTION 2205 OF THE INTERNATIONAL BUILDING CODE.

B. JUNE 15, 2016 AISC CODE OF STANDARD PRACTICE FOR STEEL BUILDINGS AND BRIDGES (AISC 303-16) AMENDED AS FOLLOWS: AS NOTED IN THE CONTRACT DOCUMENTS, BY THE DELETION OF PARAGRAPH 4.4.1, AND REVISE REFERENCE FROM "STRUCTURAL DESIGN DRAWINGS" TO "CONTRACT DOCUMENTS" IN PARAGRAPH 3.1.

23. STRUCTURAL STEEL SHALL CONFORM TO THE FOLLOWING REQUIREMENTS:

TYPE	E OF MEMBER	ASTM SPECIFICATION	FY
A. B. C.	WIDE FLANGE SHAPES OTHER SHAPES, PLATES, AND RODS OTHER SHAPES AND PLATES (NOTED GRADE 50 ON PLANS)	A992 A36 A572 (GRADE 50)	50 KSI 36 KSI 50 KSI
D. E.	PIPE COLUMNS STRUCTURAL TUBING	A53 (E OR S, GR.B)	35 KSI
_,	-SQUARE OR RECTANGULAR -ROUND	A500 (GR.C) A500 (GR.C)	50 KSI 46 KSI
F.	-ANY SHAPE CONNECTION BOLTS (3/4" ROUND, UNLESS SHOWN OTHERWISE)	ASTM A1085 A325-N	50 KSI

- 24. ARCHITECTURALLY EXPOSED STRUCTURAL STEEL SHALL CONFORM TO SECTION 10 OF THE AISC CODE OF STANDARD PRACTICE FOR STEEL BUILDINGS AND BRIDGES, AISC 303-16.
- 25. ALL STEEL EXPOSED TO THE WEATHER OR IN CONTACT WITH GROUND SHALL BE CORROSION PROTECTED BY GALVANIZATION OR PROVIDED WITH AN EXTERIOR PAINT SYSTEM, UNLESS OTHERWISE NOTED.
- 26. SHOP PRIME ALL STEEL EXCEPT:
- A. STEEL ENCASED IN CONCRETE
- B. SURFACES TO BE WELDED.C. CONTACT SURFACES AT HIGH-STRENGTH BOLTS.
- D. MEMBERS TO BE GALVANIZED.
- E. MEMBERS WHICH WILL BE CONCEALED BY INTERIOR FINISHES.

 F. SURFACES TO RECEIVE SPRAYED FIREPROOFING.
- G. SURFACES TO RECEIVE OTHER SPECIAL SHOP PRIMERS
- 27. ALL A-325N CONNECTION BOLTS NEED ONLY BE TIGHTENED TO A SNUG TIGHT CONDITION, DEFINED AS THE TIGHTNESS THAT EXISTS WHEN ALL PLIES IN A JOINT ARE IN FIRM CONTACT. THIS MAY BE ATTAINED BY A FEW IMPACTS OF AN IMPACT WRENCH OR THE FULL EFFORT OF AN IRONWORKER USING AN ORDINARY SPUD WRENCH.
- 28. ALL ANCHORS EMBEDDED IN CONCRETE SHALL BE A307 HEADED BOLTS OR F1554 GRADE 36 THREADED ROD WITH AN ASTM 563 HEAVY HEX NUT TACK WELDED ON THE EMBEDDED
- 29. ALL WELDING SHALL BE IN CONFORMANCE WITH AISC AND AWS STANDARDS AND SHALL BE PERFORMED BY WABO CERTIFIED WELDERS USING E70XX ELECTRODES. ONLY PREQUALIFIED WELDS (AS DEFINED BY AWS) SHALL BE USED. ALL COMPLETE JOINT PENETRATION GROOVE WELDS SHALL BE MADE WITH A FILLER MATERIAL THAT HAS A MINIMUM CVN TOUGHNESS OF 20 FT-LBS AT -20 DEGREES F AND 40 FT LBS AT 70 DEGREES F, AS DETERMINED BY AWS CLASSIFICATION OR MANUFACTURER CERTIFICATION.
- 30. METAL FLOOR AND ROOF DECKING SHALL BE IN ACCORDANCE TO THE FOLLOWING: PROVIDE SIZE, TYPE, GAUGE, AND ATTACHMENT TO THE SUPPORTING STRUCTURE AS SHOWN ON THE PLANS. ARC SEAM AND SPOT (PUDDLE) WELDS FOR FIELD ASSEMBLY OF METAL DECK SHALL BE MADE WITH MINIMUM E60XX ELECTRODES. DECK ALTERNATES MUST BE CONNECTED ACCORDING TO PUBLISHED ICC-ES CRITERIA FOR DIAPHRAGM SHEARS SHOWN. PROVIDE TEMPORARY SHORING WHERE REQUIRED PER MANUFACTURER'S PUBLISHED CRITERIA.
- A. NONCOMPOSITE STEEL FLOOR DECKS SHALL BE DESIGNED AND CONSTRUCTED IN ACCORDANCE WITH ANSI/SDI NC-2017.
- B. STEEL ROOF DECK SHALL BE DESIGNED AND CONSTRUCTED IN ACCORDANCE WITH ANSI/SDI RD-2017.
 C. COMPOSITE SLABS ON STEEL DECKS SHALL BE DESIGNED AND CONSTRUCTED IN ACCORDANCE WITH ANSI/SDI-C-2017.
- 31. COLD-FORMED STEEL FRAMING NOTES--THE FOLLOWING APPLY UNLESS OTHERWISE SHOWN ON THE PLANS:
- A. COLD FORMED STEEL DESIGN, FABRICATION, AND ERECTION SHALL BE BASED ON AISI S100-16 (2020) w/S2-20, "NORTH AMERICAN SPECIFICATION FOR THE DESIGN OF COLD-FORMED STEEL STRUCTURAL MEMBERS," AND ON THE AISI S240-20 NORTH AMERICAN STANDARDS FOR COLD FORMED STRUCTURAL STEEL FRAMING, INCLUSIVE.
- B. COLD-FORMED STEEL FRAMING MEMBERS INDICATED ON PLAN SHALL BE IN ACCORDANCE WITH THE "2015 IBC-SSMA PRODUCT TECHNICAL GUIDE" PUBLISHED BY THE STEEL STUD MANUFACTURERS ASSOCIATION, AND SHALL COMPLY WITH ICC-ES REPORT ESR-3064P.

DESIGNATION: 600 S 200 - 54

DEPTH MEMBER FLANGE MATERIAL

STYLE WIDTH THICKNESS(MILS)

C. MATERIAL:

FOLLOWS:

WHERE NOTED, PAINTED STUDS SHALL CONFORM TO: ASTM A570, GRADE E, FY=50 KSI. ALL 8 AND 10 GAGE MATERIAL SHALL CONFORM TO: ASTM A36, FY=36 KSI

METAL FRAMING SHALL BE GALVANIZED UNLESS OTHERWISE NOTED, CONFORMING AS

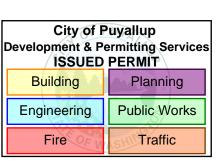
- D. ACCESSORIES SHALL BE OF THE TYPE, SIZE, AND SPACING SHOWN ON THE DRAWINGS OF A MINIMUM 16 GAUGE MATERIAL UNLESS OTHERWISE SPECIFIED. FASTENING OF COMPONENTS SHALL BE BY WELDING OR SCREWING OR BY OTHER MEANS OF FASTENING AS INDICATED ON THE DRAWINGS. PROVIDE MISCELLANEOUS CLIP ANGLES, LEDGERS, AND ACCESSORIES OF A MINIMUM 16 GAUGE OR THE THICKNESS OF THE MATERIAL BEING FASTENED, WHICHEVER IS GREATER, FOR CONNECTIONS AND BEARING CONDITIONS NOT OTHERWISE NOTED IN THE DRAWINGS.
- E. SCREWS: ALL SCREWS SHALL BE SELF-TAPPING SELF-DRILLING FASTENERS THAT ARE ZINC COATED AS MANUFACTURED BY HILTI KWIK-FLEX (ICC-ES ESR-2196), OR APPROVED EQUAL. THE MINIMUM SCREW SIZE/TYPE/POINT SHALL BE #8-18 (#2 POINT) OR #10-16 (#2 POINT) FOR USE IN 20 GAUGE THROUGH 16 GAUGE, AND #10-16 (#3 POINT) OR #12-14 (#2 OR #3 POINT) FOR HEAVIER THAN 16 GAUGE UNLESS NOTED OTHERWISE. SCREWS FOR SHEATHING CONNECTIONS SHALL BE OF THE PROPER SIZE AND TYPE FOR A POSITIVE SHEATHING-TO-METAL CONNECTION. ALL SCREW CONNECTIONS SHALL BE MADE FROM THE LIGHTER MATERIAL INTO THE HEAVIER MATERIAL UNLESS NOTED OTHERWISE. SCREWS SHALL HAVE A MINIMUM PROJECTION OF 3 THREADS THROUGH THE LAST MATERIAL JOINED AND SHALL HAVE MINIMUM EDGE DISTANCES AND CENTER-TO-CENTER SPACING OF 1-1/2 AND 3 SCREW DIAMETERS, RESPECTIVELY. ALL SCREWS SHALL CONFORM TO SAE J78 AND SHALL BE COATED WITH A CORROSIVE-RESISTANT COATING. THE SCREW MANUFACTURER SHALL PROVIDE VERIFICATION OF THE FASTENERS RESISTANCE TO HYDROGEN EMBRITTLEMENT, UPON REQUEST.

WELDS SHALL BE OF SUFFICIENT SIZE TO ENSURE THE STRENGTH OF THE

CONNECTION: WIRE TYING OF COMPONENTS SHALL NOT BE PERMITTED. ALL WELDS

SHALL BE TOUCHED UP WITH A ZINC-RICH PAINT.

- F. WELDING OF COLD-FORMED METAL FRAMING SHALL CONFORM TO AWS D1.3 AND SHALL BE PERFORMED BY WABO CERTIFIED WELDERS QUALIFIED TO PRODUCE THE SPECIFIED CLASSES OF WELD.
- G. WALL FRAMING: REFER ARCHITECTURAL DRAWINGS FOR ALL STUD WALLS NOT SHOWN. EXTERIOR WALL STUDS SHALL BE MINIMUM 20 GAUGE (33 MILS) SPACED AT 16" O.C. UNLESS INDICATED OTHERWISE. TWO STUDS MINIMUM SHALL BE PROVIDED AT THE END OF ALL WALLS AND AT EACH SIDE OF ALL OPENINGS. TWO 800S162-54 HEADERS SHALL BE PROVIDED OVER ALL OPENINGS NOT OTHERWISE NOTED. SOLID BLOCKING FOR MULTI-STUD OR STEEL COLUMNS SHALL BE PROVIDED THROUGH FLOORS TO SUPPORTS BELOW. PROVIDE CONTINUOUS FULL WIDTH BLOCKING AT MIDHEIGHT OF ALL STUD WALLS OVER 10' IN HEIGHT.
- H. ALL STUD WALLS SHALL HAVE THEIR BOTTOM TRACKS ATTACHED TO FRAMING BELOW WITH #8 SCREWS AT 24" O.C. OR ATTACHED TO CONCRETE WITH 0.157" DIAMETER x 1" LONG DRIVE-PINS @ 24" O.C. UNLESS INDICATED OTHERWISE. INDIVIDUAL MEMBERS OF BUILT-UP POSTS SHALL BE WELDED TO EACH OTHER IN ACCORDANCE WITH THE DETAILS. WHEN NOT OTHERWISE NOTED, PROVIDE GYPSUM WALLBOARD ON INTERIOR SURFACES AND GYPSUM SHEATHING ON EXTERIOR SURFACES SCREWED TO ALL STUDS, TOP AND BOTTOM TRACKS AND BLOCKING WITH SCREWS AT 12" O.C. TRACK SECTIONS SHALL MATCH THE WALL STUD GAUGE, BE UN-PUNCHED AND HAVE AT LEAST 1-1/4" FLANGES.
- I. BRIDGING IS TO BE INSTALLED AT ALL EXTERIOR WALLS AND ANY WALL ONLY SHEATHED ON ONE SIDE.

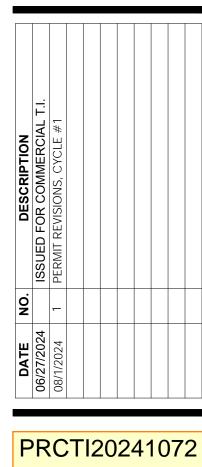






ORIA MALL SE, SUITE F10 WASHINGTON. 98006

SOUTH HILL CENTER - SPACE 10
SOMMERCIAL TENANT IMPROVE
102 SOUTH MERIDIAN



23149.00

PROJECT MGR.: EBG

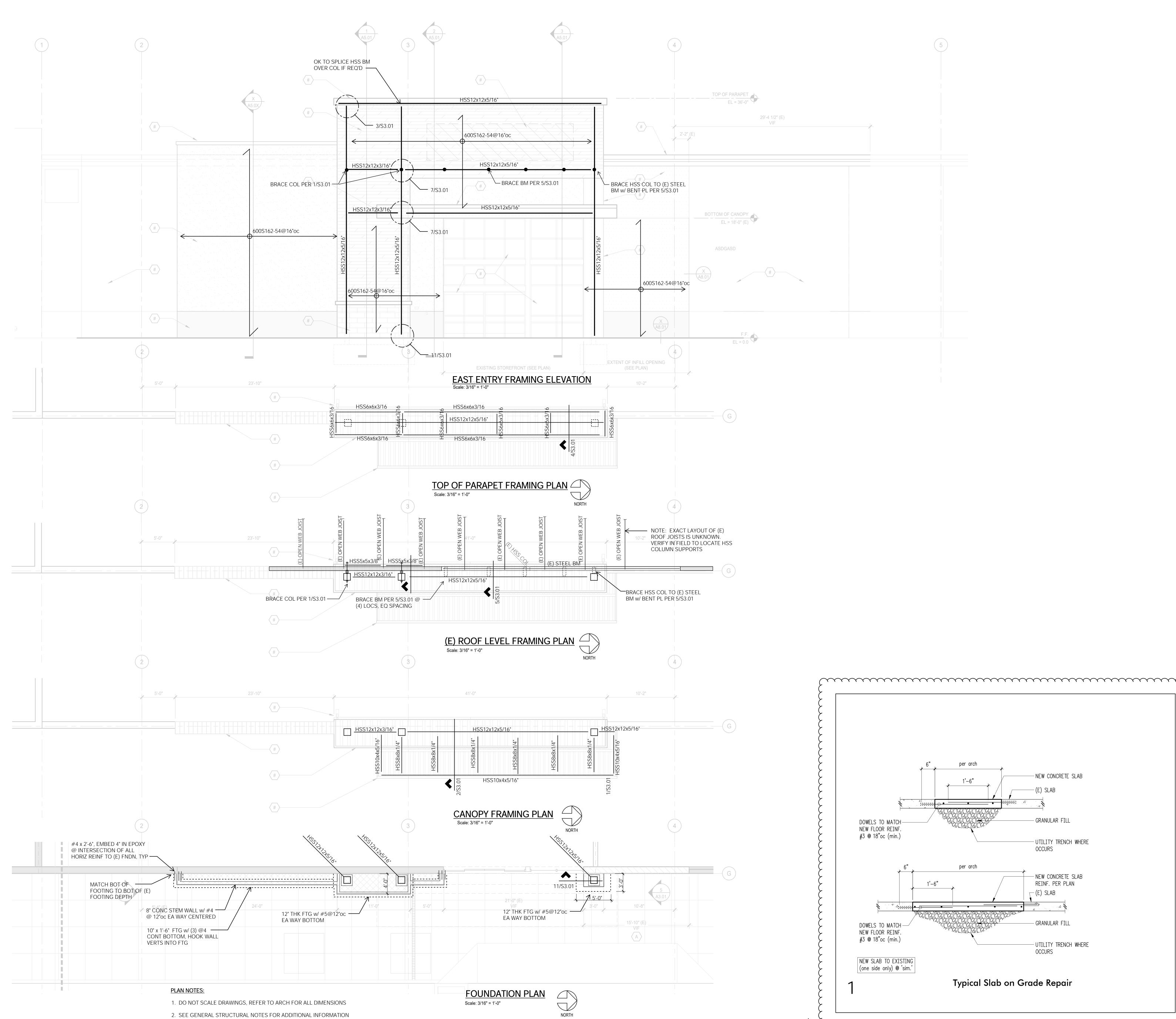
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PROJECT NO.:

GENERAL

STRUCTURAL NOTES



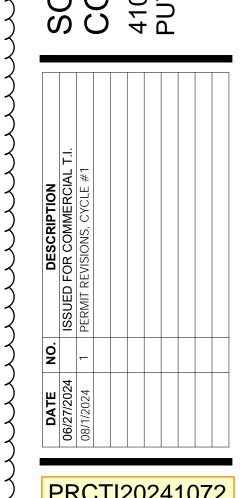
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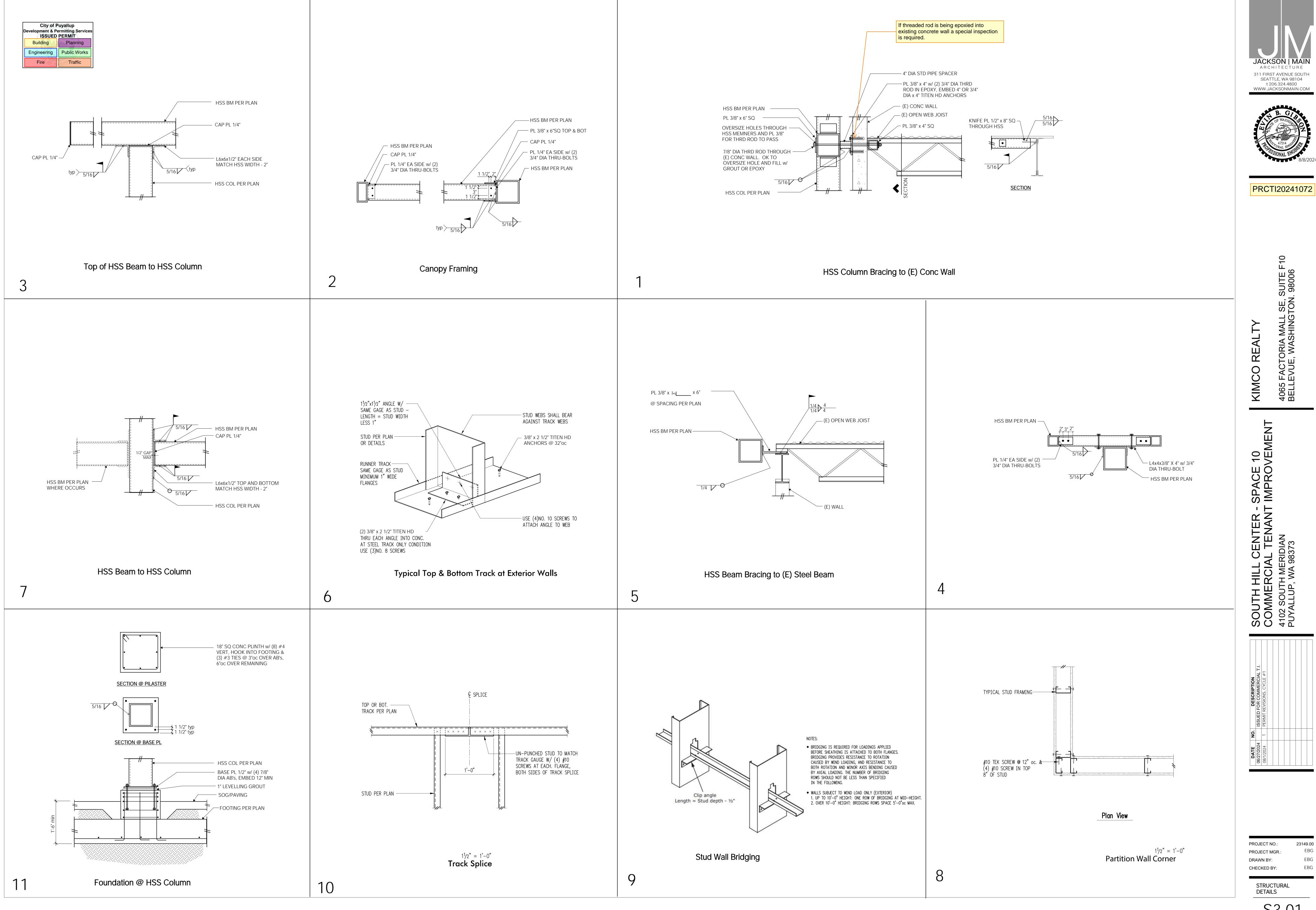
SOUTH HILL CENTER - SPACE TO
COMMERCIAL TENANT IMPROVEMEN
4102 SOUTH MERIDIAN
PUYALLUP, WA 98373



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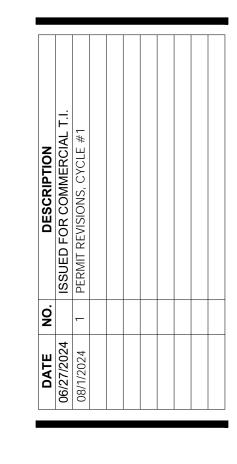
PROJECT NO.: 23149.00
PROJECT MGR.: EBG
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FRAMING PLANS

S2.01









City of P Development & Pe ISSUED	ermitting Services
Building	Planning
Engineering	Public Works
Fire OF W	Traffic

ABBREVIATIONS:

EXT EXTERIOR, EXTERNAL

<u>ABBF</u>	REVIATIONS:				
Ø	DIAMETER, PHASE	F	FIRE SPRINKLER	Р	PRESSURE, PUMP
A D) /	ADOME	°F	DEGREES FAHRENHEIT	PC	PUMPED CONDENSATE
ABV	ABOVE AIR CONDITIONING UNIT	FC FCU	FLEXIBLE CONNECTOR, FLUID COOLER FAN COIL UNIT	PD PERF	PRESSURE DROP PERFORATED
AC AD	AREA DRAIN, ACCESS DOOR	FD	FLOOR DRAIN	PERF	PHASE
ADA	AMERICANS WITH DISABILITIES ACT	F/D	FIRE DAMPER	PIV	POST INDICATOR VALVE
AFF	ABOVE FINISHED FLOOR	FDC	FIRE DEPARTMENT CONNECTION	POC	POINT OF CONNECTION
AFUE	ANNUAL FUEL UTILIZATION EFFICIENCY	FFD	FUNNEL FLOOR DRAIN	PRESS	PRESSURE
AHJ	AUTHORITY HAVING JURISDICTION	FLA	FULL LOAD AMPS	PRV	PRESSURE REDUCING VALVE
AHU	AIR HANDLING UNIT	FLR	FLOOR	PSI	POUNDS PER SQUARE INCH
ALT	ALLIMANIA	FLEX	FLEXIBLE	PSIG	POUNDS PER SQUARE INCH ABSOLUTE
ALUM AMB	ALUMINUM AMBIENT	FP FPM	FIRE PROTECTION, FIRE PUMP FEET PER MINUTE	PSIA PTRV	POUNDS PER SQUARE INCH ABSOLUTE PRESSURE/TEMPERATURE RELIEF VALVE
APD	AIR PRESSURE DROP	FPS	FEET PER SECOND	PU	PUMP
APPROX	APPROXIMATE	FS	FLOOR SINK	PVC	POLYVINYL CHLORIDE
ARCH	ARCHITECT	F/S/D	COMBINATION FIRE SMOKE DAMPER		
ATM	ATMOSPHERE	FT	FEET, FINNED TUBE		
		FV	FACE VELOCITY	_	
		G	GAS	R	REFRIGERANT PIPING
BDD	BACKDRAFT DAMPER	GAL	GALLON	RA RAF	RETURN AIR RETURN/RELIEF AIR FAN
BF	BELOW FLOOR	GALV	GALVANIZED	RAG	RETURN AIR GRILLE
BFF	BELOW FINISHED FLOOR	GC	GENERAL CONTRACTOR	RAH	RADIANT HEATER
ВНР	BRAKE HORSEPOWER	GFU	GAS FIRED UNIT	RCP	REFLECTED CEILING PLAN
BLDG	BUILDING	GPD	GALLONS PER DAY	RD	ROOF DRAIN
BLW	BELOW	GPH	GALLONS PER HOUR	REF	REFERENCE, RETURN/EXHAUST FAN
BOD	BOTTOM OF DUCT	GPM	GALLONS PER MINUTE	REG	REGISTER
BOP	BOTTOM OF PIPE	GPR	GAS PRESSURE REGULATOR	REL	RELIEF
BOT BTU	BOTTOM BRITISH THERMAL UNIT	GR GRD	GRILLE GRILLES, REGISTERS, AND DIFFUSERS	REQD RET	REQUIRED RETURN
BTUH	BRITISH THERMAL UNIT PER HOUR	GWB	GYPSUM WALLBOARD	RF	RETURN FAN
51011	BRITION THERMINE GIVEN ERVINGER	OVVD	CTT COM WALLESONING	RG	RETURN GRILLE
С	CONDENSATE DRAIN PIPING	НВ	HOSE BIBB	RH	RELATIVE HUMIDITY, ROOF HOOD
CAP	CAPACITY	HC	HEATING COIL	RHC	REHEAT COIL
CC	COOLING COIL	HD	HEAD	RLA	RATED LOAD AMPS
CD	CEILING DIFFUSER	HOR	HORIZONTAL	RM	ROOM
CFH	CUBIC FEET PER HOUR	HP	HEAT PUMP, HORSEPOWER	RPM	REVOLUTIONS PER MINUTE
CFM	CUBIC FEET PER MINUTE	HR	HOUR	RTU	ROOFTOP UNIT
CI CL	CAST IRON CENTER LINE	HRU HT	HEAT RECOVERY UNIT HEIGHT	RV	RELIEF VALVE
CLG	CEILING	HTR	HEATER	SA	SUPPLY AIR
CMU	CONCRETE MASONRY UNIT	HX	HEAT EXCHANGER	SAD	SUPPLY AIR DIFFUSER
СО	CLEANOUT	HVAC	HEATING, VENTILATION & AIR CONDITIONING	SAT	SUPPLY AIR TEMPERATURE
СОМВ	COMBUSTION, COMBINATION	HZ	HERTZ	SCFM	STANDARD CUBIC FEET PER MINUTE
COND	CONDENSATE			SCH	SCHEDULE
CONN	CONNECTION	IAQ	INDOOR AIR QUALITY	SCHEM	SCHEMATIC
CONT	CONTINUE, CONTROL	IN INCL	INCH INCLUDING	S/D	SMOKE DAMPER
CONTR COP	CONTRACTOR COEFFICIENT OF PERFORMANCE	INT	INTERNAL	SF SG	SUPPLY FAN, SQUARE FOOT SUPPLY GRILLE
CP	CONDENSATE PUMP	INV	INVERT	SL	REFRIGERANT SUCTION LINE
CT	COOLING TOWER	ISP	INTERNAL STATIC PRESSURE		SHEET METAL AND AIR CONDITIONING
CU	CONDENSING UNIT, CUBIC			SMACNA	CONTRACTORS' NATIONAL ASSOCIATION, I
CV	CHECK VALVE, CONSTANT VOLUME	KW	KILOWATT	SP	STATIC PRESSURE
CW	DOMESTIC COLD WATER			SPEC	SPECIFICATION
	DDV DUI D	L	LENGTH	SQ	SQUARE
DB DC	DRY BULB DUCT COIL, DUST COLLECTOR	LAT LAV	LEAVING AIR TEMPERATURE LAVATORY	SRV SS	SAFETY RELIEF VALVE STAINLESS STEEL
DDC	DIRECT DIGITAL CONTROL	LAV	POUND	ST	STORAGE TANK, SOUND TRAP
DEPT	DEPARTMENT	LBS/HR	POUNDS PER HOUR	STD	STANDARD
DEG	DEGREE	LD	LINEAR DIFFUSER	STM	STEAM
DF	DRINKING FOUNTAIN	LF	LINEAR FEET	STR	STARTER, STRUCTURAL
DH	DUCT HEATER	LL	REFRIGERANT LIQUID LINE	SUCT	SUCTION
DI 	DUCTILE IRON	LRA	LOCKED ROTOR AMPS	SUP	SUPPLY
DIA	DIAMETER	LVG	LEAVING	TAD	TESTING, ADJUSTING AND BALANCING
DIAG DIFF	DIAGRAM DIFFERENTIAL	LVR LWT	LOUVER LEAVING WATER TEMPERATURE	TAB TDH	TOTAL DYNAMIC HEAD
DIM	DIMENSION	_,,,	ELIVING WITTER TERM ENVIORE	TEMP	TEMPERATURE
DN	DOWN	MAT	MIXED AIR TEMPERATURE	TG	TRANSFER GRILLE
DP	DIFFERENTIAL PRESSURE	М	MAXIMUM	TOD	TOP OF DUCT
DX	DIRECT EXPANSION	MBH	THOUSANDS OF BTUH	TOF	TOP OF FOOTING
DWG	DRAWING	MCA	MINIMUM CIRCUIT AMPACITY	TOP	TOP OF PIPE
(E)	EVICTING	MECH	MECHANICAL	TP TDD\/	TOTAL PRESSURE
(E) EA	EXISTING EACH, EXHAUST AIR	MED MERV	MEDIUM MINIMUM EFFICIENCY REPORTING VALUE	TPRV TSP	TEMPERATURE/PRESSURE RELIEF VALVE TOTAL STATIC PRESSURE
EAT	ENTERING AIR TEMPERATURE	MFR	MANUFACTURER	T'STAT	THERMOSTAT
ECG	EGGCRATE GRILLE	MIN	MINIMUM	TU	TERMINAL UNIT
EDH	ELECTRIC DUCT HEATER	MISC	MISCELLANEOUS	TYP	TYPICAL
EER	ENERGY EFFICIENCY RATIO	MOCP	MAXIMUM OVERCURRENT PROTECTION		
EF	EXHAUST FAN	MPC	MEDIUM PRESSURE CONDENSATE	UH	UNIT HEATER
EFF	EFFICIENCY EXCLUSIVE CONTRACTOR	MPG	MEDIUM PRESSURE GAS	UNOCC	UNOCCUPIED
EG EJ	EXHAUST GRILLE EXPANSION JOINT	MPS MS	MEDIUM PRESSURE STEAM MOP SINK	V	VENT, VOLTS
ELEC	ELECTRIC	MTD	MOUNTED	v VAV	VARIABLE AIR VOLUME UNIT
ELEV	ELEVATION	MUA	MAKEUP AIR UNIT	VD	VOLUME DAMPER
ENT	ENTERING			VEL	VELOCITY
EQUIP	EQUIPMENT	(N)	NEW	VENT	VENTILATION, VENTILATOR
ESP	EXTERNAL STATIC PRESSURE	NA	NOT APPLICABLE	VFD	VARIABLE FREQUENCY DRIVE
ET	EXPANSION TANK	NC	NOISE CRITERIA, NORMALLY CLOSED	VTR	VENT THRU ROOF
ETC	AND SO FORTH	NEG NO	NEGATIVE NORMALLY OPEN	۱۸/	MARTE MATT MURTU
EUH EVAP	ELECTRIC UNIT HEATER EVAPORATOR, EVAPORATIVE	NO.	NUMBER	W W/	WASTE, WATT, WIDTH WITH
EW	EYE WASH	NOM	NOMINAL	w. WB	WET BULB
EWC	ELECTRIC WATER COOLER	NTS	NOT TO SCALE	W/O	WITHOUT
EWH	ELECTRIC WATER HEATER			WPD	WATER PRESSURE DROP
EWT	ENTERING WATER TEMPERATURE	OA	OUTSIDE AIR	WSEC	WASHINGTON STATE ENERGY CODE
EX	EXHAUST	OAT	OUTSIDE AIR TEMPERATURE	WSFU	WATER SUPPLY FIXTURE UNIT

OBD OPPOSED BLADE DAMPER

OCC OCCUPIED

OSA OUTSIDE AIR

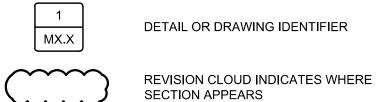
WTD WATER TEMPERATURE DROP

REFERENCE SYMBOLS

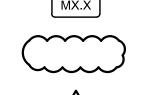
NEW MECHANICAL WORK ----- EXISTING MECHANICAL WORK -///// EXISTING MECHANICAL WORK TO BE DEMOLISHED

———— ENLARGED PLAN BORDER — — MATCHLINE

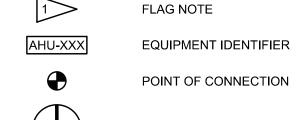
SECTION IDENTIFIER



DETAIL OR DRAWING IDENTIFIER



INDICATES REVISION & NUMBER



NORTH ARROW

MECHANICAL ACCESS

PLUMBING LINE DESIGNATION SYMBOLS

<u>DECICIA/ (1</u>	TON OTWIDOLO
	DOMESTIC COLD WATER (POTABLE)
	DOMESTIC HOT WATER (POTABLE)
	DOMESTIC HOT WATER CIRCULATING (POTABLE)
NPCV	NON-POTABLE COLD WATER
NPHV	NON-POTABLE HOT WATER
NPHWC	NON-POTABLE HOT WATER CIRCULATING
IRR	IRRIGATION WATER
	SANITARY SEWER ABOVEGROUND
	SANITARY SEWER UNDERGROUND
	VENT PIPING
GV	GREASE WASTE ABOVEGROUND
- — GV -	GREASE WASTE UNDERGROUND
AV	ACID RESISTANT (CHEMICAL) WASTE ABOVEGROUND
- — AV -	ACID RESISTANT (CHEMICAL) WASTE UNDERGROUND
AV	ACID RESISTANT (CHEMICAL) VENT PIPIN
A	COMPRESSED AIR
VAC	VACUUM
RVL	RAIN WATER LEADER
ORVL	OVERFLOW RAIN WATER LEADER

HVAC PIPING LINE DESIGNATION SYMBOLS

<u>JESIGNA II</u>	ON SYMBOLS
—— н vs ——	HEATING WATER SUPPLY
	HEATING WATER RETURN
CHVS	CHILLED WATER SUPPLY
CHWR	CHILLED WATER RETURN
DTS	DUAL TEMPERATURE HEATING AND COOLING WATER SUPPLY
DTR	DUAL TEMPERATURE HEATING AND COOLING WATER RETURN
cvs	CONDENSER WATER SUPPLY
CVR	CONDENSER WATER RETURN
GCVS	GLYCOL COOLING WATER SUPPLY
GCVR	GLYCOL COOLING WATER RETURN
MU	MAKEUP WATER
с	CONDENSATE DRAIN PIPING
HPS	HIGH PRESSURE STEAM
MPS	MEDIUM PRESSURE STEAM
LPS	LOW PRESSURE STEAM
HPC	HIGH PRESSURE CONDENSATE
MPC	MEDIUM PRESSURE CONDENSATE
LPC	LOW PRESSURE CONDENSATE
—— PC ——	PUMPED CONDENSATE
— ш —	REFRIGERANT LIQUID LINE
SL	REFRIGERANT SUCTION LINE
—— G ———	LOW PRESSURE NATURAL GAS

FUEL OIL

—— FOV —— FUEL OIL VENT

FIRE PROTECTION LINE **DESIGNATION SYMBOLS**

FIRE SPRINKLER

—— F ——	FIRE SPRINKLER
—— FD ———	DRY FIRE SPRINKLER
IPING ELE	MENTS/VALVING
——₩——	VALVE
 \	CHECK VALVE
	BALANCING VALVE
	THREE WAY CONTROL VALVE
—————————————————————————————————————	TWO WAY CONTROL VALVE
	SOLENOID VALVE
	PRESSURE REDUCING VALVE (PRV)
•	TREGOSTIE REBOSTIO VIEVE (FRV)
<u>*</u>	TEMPERATURE/PRESSURE RELIEF VALVE
<u></u>	RELIEF/SAFETY VALVE
<u>кф-</u>	MANUAL AIR VENT
	AUTOMATIC AIR VENT (EXTEND DISCHARGE TO DRAIN)
FM	FLOW METER
	AUTOMATIC FLOW CONTROL VALVE
-	DIRECTION OF FLOW
<u>D</u>	DIRECTION OF PITCH-RISE OR DROP
	STRAINER
	STRAINER WITH BLOW OFF VALVE
——	UNION
· ×	ANCHOR
	GUIDE
₽ FS	FLOW SWITCH
₽ ^{TT}	TEMPERATURE TRANSMITTER
₽ ^{PT/PS}	PRESSURE TRANSMITTER OR PRESSURE SWITCH
<u> </u>	PRESSURE GAUGE
	THERMOMETER
<u> </u>	AQUASTAT
<u> </u>	GAUGE WITH GAUGE COCK & SIPHON (STEAM)
—	GAS PRESSURE REGULATOR
T	TEMPERATURE/PRESSURE TEST PORT
	BASKET STRAINER
	STEAM TRAP
•	

EXPANSION JOINT

VACUUM BREAKER

SPRINKLER HEAD

BACKFLOW PREVENTION DEVICE (REDUCED ZONE)

WATER HAMMER ARRESTER

BACKFLOW PREVENTION DEVICE (DOUBLE CHECK VALVE ASSEMBLY)

VENT THRU ROOF

TRENCH DRAIN

GAS METER

HOSE BIBB ROOF DRAIN FLOOR DRAIN FLOOR SINK

CO CLEAN-OUT

PIPE CAP

OVTR

0

─────FCO CLEAN-OUT (FLOOR) → WCO CLEAN-OUT (WALL)

PIPE CONTINUES

PIPE RISING UP

PIPE DROPPING DOWN

PIPE CONNECTION DOWN

PIPE CONNECTION

FLEXIBLE CONNECTOR

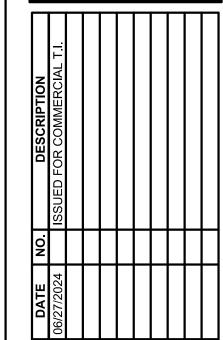
	PLUMBING SHEET INDEX	
P-001	PLUMBING LEGEND AND GENERAL NOTES	
PD-102	PLUMBING DEMOLITION ROOF PLAN	
P-100	UNDERGROUND PLUMBING PLAN	
P-101	PLUMBING FLOOR PLAN	
P-102	PLUMBING ROOF PLAN	





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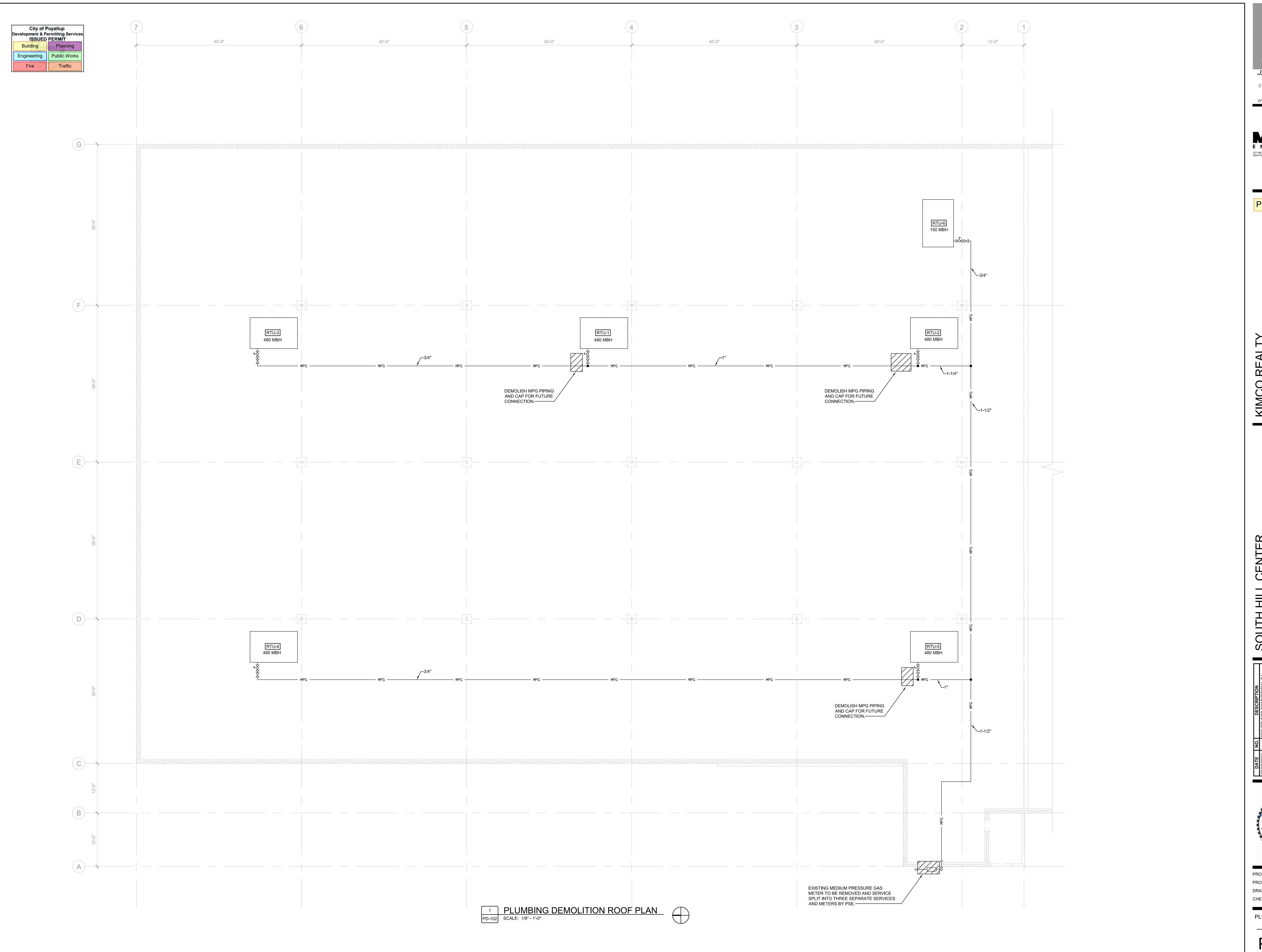
4065 BELL





PROJECT MGR.:

PLUMBING LEGEND & GENERAL NOTES







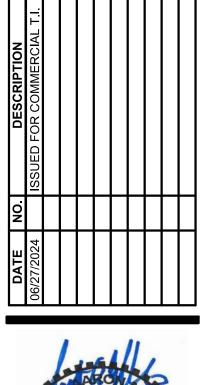


PRCTI20241072

STORIA MALL SE, SUITE F1 JE, WASHINGTON. 98006

ENT KIMCO REALTY
ENT 4065 FACTORIA MALL S

SOUTH HILL CENTER
COMMERCIAL TENANT IMPROVEN
4102 SOUTH MERIDIAN
PUYALLUP, WA 98373

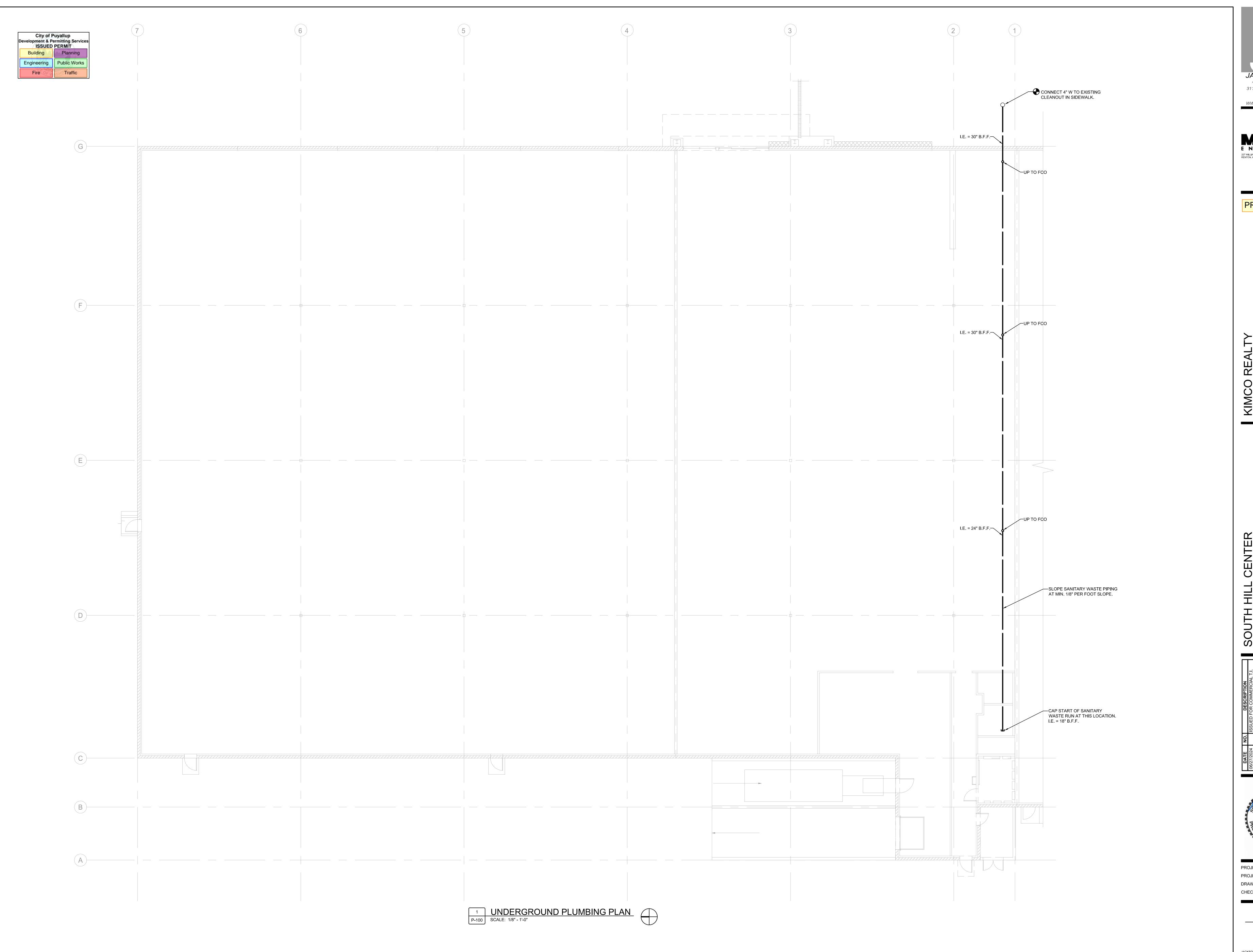




PROJECT NO.:
PROJECT MGR.:
DRAWN BY:

PLUMBING DEMOLITION ROOF PLAN





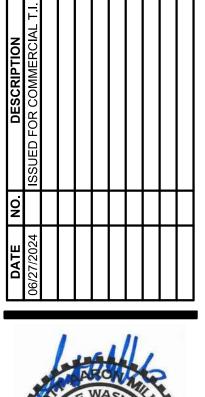




PRCTI20241072

065 FACTORIA MALL SE, SUITE F1 ELLEVUE, WASHINGTON. 98006

SOUTH HILL CENTER
COMMERCIAL TENANT IMPROVEME
OYALLUP, WA 98373

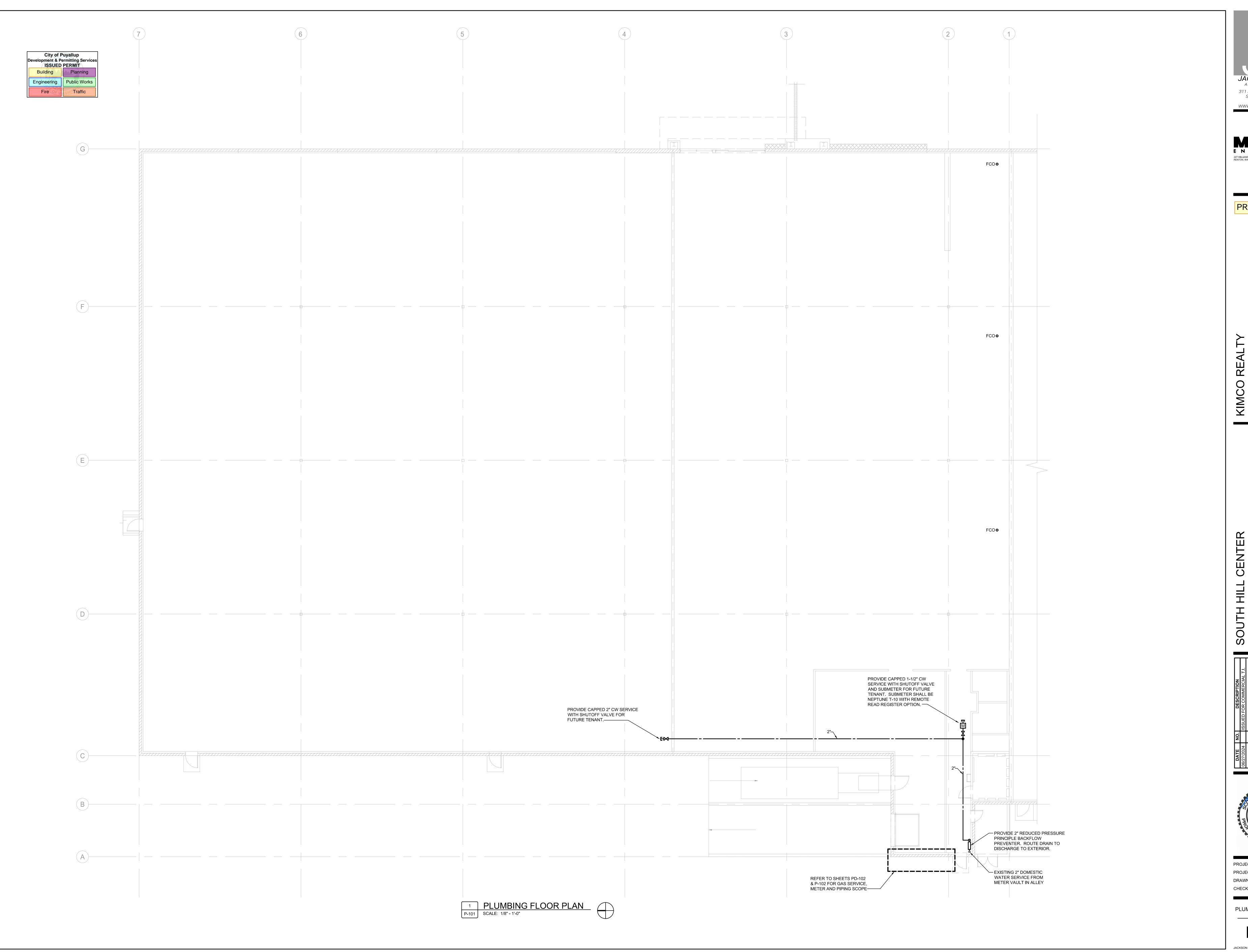




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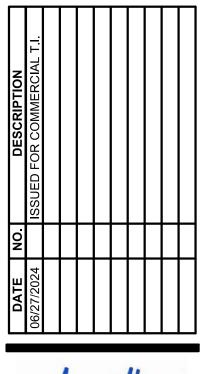
UNDERGROUND PLUMBING PLAN

P-100







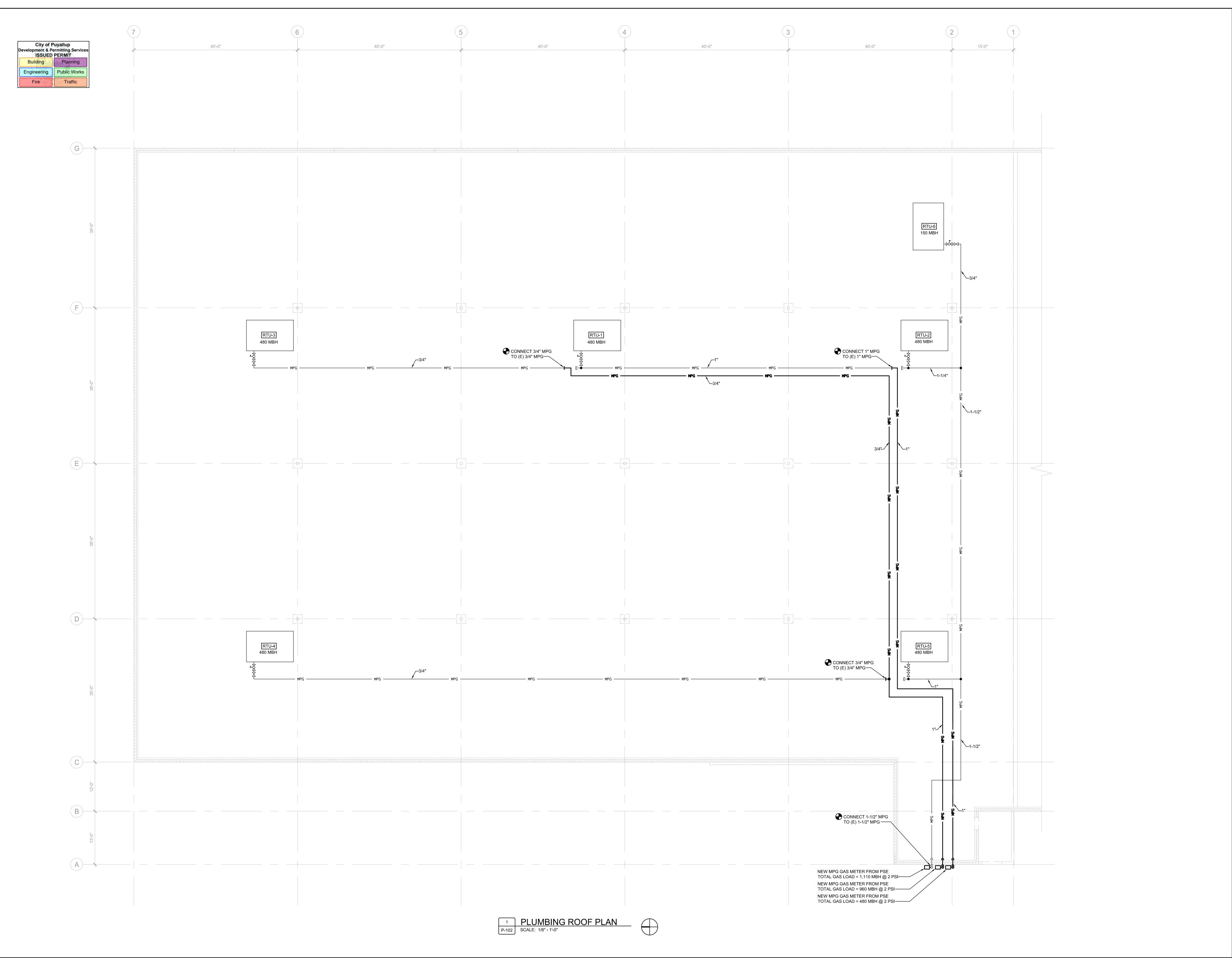




PROJECT NO.: PROJECT MGR.: DRAWN BY:

PLUMBING FLOOR PLAN

P-101



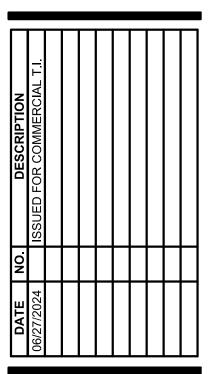






4065 FACTORIA MALL SE, SUITE | BELLEVUE, WASHINGTON. 98006

HILL CENTER
RCIAL TENANT IMPROVEMENT
H MERIDIAN



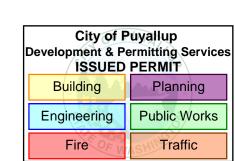


PROJECT NO.:
PROJECT MGR.:
DRAWN BY:
CHECKED BY:

HECKED BY:

PLUMBING ROOF PLAN

P-102



LIGHTING C	OMPLIA	NCI	E SHMN	MARY	7											
2021 WSEC Compliance			St.		3	P4 over 3 stori	ies and all	D 1						Administered by: (C	2024 NEI	EA, All rights reserved
2021 WSEC Compliance	FORMS for Cor	шегста	Project Ti		310up K2, K3 &			ce 10 Redemise -	· 2021 WS	SEC	For Buil	ding Dep	partment Use:	Administered by: ©	Date:	
			Project A	ddress			4102 Sc	outh Meridian 10							Date:	Jul 02, 2024
Project & Applicant Information								p, WA 98373								
			Applicant Applicant					ott Gore -301-6208								
		77.	Applicant			Vere e		CaseEng.com	CD 520 51	200 :-		1	-10			
		FC	or questions a	about this	report, contact V		rciai lecnn	icai Support at 3	00-339-3.	_						
General Occupancy			nmercial ew Building		General Buildi	ing Use Type				Retail,	Enclosed I	/Iall	Building Cond Project Cond.			32,519 32,519
General Project Types	Shell & Cor	e Ad	ddition			erior Lighting erior Lighting		Alteration Lighting Scop	e				Floors Above	Grade		1
Lighting Project Description		LA	ghting Scope					Redemise o	of existing	tenant space			Compliance M	ethod	G	eneral Prescriptive
				Interio	or / Exterior								_		I	
Lighting Compliance	Proje	ct Type	e (I	Interior inc	ludes both interior parking)	Luminaire R	Replaceme	nt Scope		Comp	liance Met	hod	L	PA Calculation Adjustment		Compliance Verification
Scope and Method		& Core		Interi	or Lighting					Spa	ce by spac	9		tion Adjustments selec	ted	COMPLIES
Additional Energy		& Core	· ·		or Lighting								Not a	pplicable to exterior		COMPLIES
Efficiency (AEC) Measures Included	No lightin		ctrical addition			Load Manag	gement (L	DM) Measures	Included			1	No lighting or e	lectrical load managen	ient measu	res included in project
Project Title	South Hill	Cente	er - Space	10 Rede	mise - 2021 V	VSEC								Date	Jul 0	2, 2024
Lighting Power Cal	culation		SHELL	& COF	RE - INTERIO	OR LIGHT	ING				Comp	liance \	Verification		COM	PLIES
Compliance Method					Space by space			LPA	Calculat	tion Adjustn	ient				-	none
						Interior	Lighting	Power Allowan	ce - Space	e by Space			-			
General Space Typ	oe s	pecific	Space Type	,	Gross In	terior Area (S	F)	LPA (Watt	s/SF)	100000	Watts All F x LPA x			Proposed Watts + Display LPD)	Co	ompliance Status
Retail			eral sales			13,171		1.05			13,830	-/	(2.2	July 2007		
Retail		Gene	eral sales			19,348		1.05 Proposed	Fotal LPD)	20,315			700		
			7	Totals				•			34,145			700		COMPLIES
							Propose	d Lighting Pow	er Density	y						
Fixture T	ype		Fixture 1	ID	Quant Fixture				Total Li Feet (l					er Linear (WpLF)	(#	Total Watts Proposed #F x WpF) or LF x WpLF)
Individual Fixtures	Suspen	ded	F2 / F2	X	20	n		35								700
	Suspen	ava	12/12					est est					1	Proposed Total LPD		700
Project Title	South Hill	Cente	er - Space	10 Rede	mise - 2021 V	WSEC								Date	Jul 0	2, 2024
Proposed Fixtures D	etails		SHELL	& COF	RE - INTERIO	OR LIGHT	ING									
Fixture Type/App	lication		Fixture ID			Location in D	ocuments			Lamp Type				New or Existing-to	Remain	
Individual Fixtures	Suspended		F2 / F2X			E1.1				LED				New		
			Description:							22.22	P	re these i	fixtures located	within a daylight zone	?: No	
		Do thes	se fixtures re	quire spec	rific application	lighting control	ls?: None 1	equired								
Project Title	South Hill	Cente	r - Space 1	10 Rede	mise - 2021 V	VSEC					W			Date	Jul 02	2, 2024
Lighting Power Calo	ulation		SHELL	& COR	E - EXTERI	OR LIGHT	ING						Comp	pliance Verification	n COM	PLIES
Exterior Lighting Zone						ZC	ONE 3			Base Site All	owance					400
							Exterior l	Lighting Power	Allowanc	ce						
Exterior Surf	ace		Surface	Sub-Typ	e	Surface Area (SF)	LPA (Watts/S	100773300550		LPA (Watts/LF)	То	tal Watts (LPA x S (LPA x		Total Proposed Watts	C	ompliance Status
Building entrances	and exits		Pedestrian er	ntrances &	z exits			25	Raca	14 Site Allowane	ce	350 400				
									Trade (Tota	_	750		619		COMPLIES
			-			Pro	posed Ext	terior Lighting	Power De	ensity						
Fixture Type	Fixture	Ф			Exterior S	urface Type				ntity of res (#F)	Watt Wattage per Fi (WI	Limit xture	Total Line Feet (LF			Total Watts Proposed (#F x WpF) or (LF x WpLF)
Individual Fixtures Cano	py F1/F1	x	Bu	tilding ent	rances and exits	- Pedestrian en	itrances &	exits		3	25)				87
Signa	ige signag		Bu	ilding ent	rances and exits	- Pedestrian en	trances &	exits		1	50	0				500
Wall-moun	ted F3		Bu	ilding ent	rances and exits	- Pedestrian en	trances &	exits	<u> </u>	1	32	!		Proposed T	otal LPD	32 619

TYPE	DESCRIPTION	LAMP	WATTS/ FIXT
F1	RECESSED LED DOWNLIGHT, 8" APERTURE, RATED FOR EXTERIOR USE, 90 CRI LIGMAN NIKON 3 SERIES - UNI-80523-29W-A-M-W35-XXX-277 FINISH SELECTED BY ARCHITECT	LED 3500K	29
F1X	SIMILAR TO FIXTURE TYPE F1, EXCEPT WITH INTEGRAL EMERGENCY BATTERY PACK. LIGMAN NIKON 3 SERIES - UNI-80523-29W-A-M-W35-XXX-277-EMR FINISH SELECTED BY ARCHITECT	LED 3500K	29
F2	48" LED STRIP LIGHT FOR TEMPORARY CONSTUCTION USAGE LITHONIA CSS L48 SERIES	LED 3500K	35
F2X	SIMILAR TO FIXTURE TYPE F2, EXCEPT WITH INTEGRAL EMERGENCY BATTERY PACK. LITHONIA CSS L48 EM SERIES	LED 3500K	35
F3	LED WALL SCONCE, EXTERIOR RATED, 90CRI TBD	LED 3500K	32
X1	THERMOPLASTIC EXIT COMBO FOR TEMPORARY CONSTUCTION USAGE INTEGRAL EMERGENCY BATTERY PACK, ADJUSTABLE HEADS, GREEN LITHONIA LHQM LED SERIES	LED	6

ELECTRICAL LEGEND CONDUITS AND CIRCUITING **ABBREVIATIONS POWER RECEPTACLES & OUTLETS** A (200A) (AFTER A NUMBER) = AMPS ------ WIRING CONCEALED IN CEILING OR WALL AF(200AF) (AFTER A NUMBER) = FUSE SIZE IN AMPS ------ WIRING CONCEALED UNDER FLOOR OR UNDERGROUND DUPLEX RECEPTACLE AFF ABOVE FINISHED FLOOR CONDUIT HOME-RUN DOUBLE DUPLEX RECEPTACLE AHJ AUTHORITY HAVING JURISDICTION - | III CONDUCTORS IN CONDUIT DUPLEX GFCI RECEPTACLE ALUMINUM PHASE CONDUCTOR(S) DOUBLE DUPLEX GFCI RECEPTACLE ATS AUTOMATIC TRANSFER SWITCH NEUTRAL CONDUCTOR DUPLEX RECEPTACLE MOUNTED IN CEILING GROUND CONDUCTOR BREAKER DOUBLE DUPLEX RECEPTACLE MOUNTED IN CEILING -----II GROUND WIRE CONDUIT DUPLEX RECEPTACLE MOUNTED +4"O.C. ABOVE ------O CONDUIT BENDS TO CHANGE ELEVATION AT THIS POINT COUNTER OR BACKSPLASH, WHEN PRESENT ————] CONDUIT STUB-UP DOUBLE DUPLEX RECEPTACLE MOUNTED +4"O.C. ABOVE CLG CEILING COUNTER OR BACKSPLASH, WHEN PRESENT (U.O.N.) COPPER DUPLEX GFCI RECEPTACLE MOUNTED +4"O.C. ABOVE COUNTER OR BACKSPLASH, WHEN PRESENT (U.O.N.) XXX CONDUIT TO BE REMOVED DOUBLE DUPLEX GFCI RECEPTACLE MOUNTED +4"O.C. ABOVE MULTI-OUTLET ASSEMBLY (SEE NOTES ON PLAN) COUNTER OR BACKSPLASH, WHEN PRESENT (U.O.N.) ₩P GFCI RECEPTACLE WITH WEATHERPROOF WHILE-IN-USE COVER LIGHT FIXTURES & CONTROLS FLOOR POKE-THRU WITH DEVICES SHOWN NOTE: LIGHTING FIXTURE SYMBOLS SHOW LENGTH, MOUNTING & EMERGENCY EGRESS INFORMATION ONLY. REFER TO FIXTURE DUPLEX RECEPTACLE WITH 1/2 SWITCHED DESIGNATIONS & LIGHTING FIXTURE SCHEDULE FOR LAMP TYPE & OTHER FIXTURE SPECIFICS. DOUBLE DUPLEX RECEPTACLE WITH 1/2 SWITCHED ₩T TAMPER RESISTANT RECEPTACLE SINGLE SPECIAL PURPOSE RECEPTACLE (•) PENDANT MOUNTED FIXTURE OR CHANDELIER JUNCTION BOX WITH BLANK COVER □ SINGLE POINT SOURCE WALL MOUNTED FIXTURE (P) FURNITURE SYSTEM POWER FEED. CONNECT CONDUCTORS FLR FLOOR TO FURNITURE SYSTEM FLEX CONDUIT PROVIDED BY SURFACE MOUNTED LINEAR FIXTURE (NARROW BODY) OTHERS. VERIFY REQUIREMENTS. RECESSED LINEAR FIXTURE TELE/COMMUNICATIONS SYSTEM DEVICES PENDANT MOUNTED LINEAR FIXTURE ▼ TELEPHONE □♀□ WALL MOUNTED LINEAR FIXTURE ■ W WALL MOUNTED TELEPHONE (VERIFY MOUNTING ──OI LINEAR STRIP FIXTURE ✓ SINGLE) GANG TELEPHONE/DATA OPENING ₩ WALL MOUNTED STRIP FIXTURE JUNCTION BOX & CONDUIT FOR FURNITURE SYSTEM LINEAR UNDERCOUNTER FIXTURE TELE/DATA CONNECTIONS LED COVE OR UNDER COUNTER LIGHT (LENGTH AS DATA/COMM OUTLET (NUMBER INDICATES NUMBER OF JACKS. 'B' INDICATES BLANK PLATE) ∇ □ ON PLAN) TRACK LIGHT (LENGTH AS SHOWN ON PLAN) LT LIGHT TTB TELEPHONE TERMINAL BOARD - 3/4" FIRE RESISTANT PLYWOOD, 8' HIGH x LENGTH SHOWN ON PLAN O RECESSED LINEAR 2'X4' FIXTURE SERVICE GEAR - AS SHOWN ON PLANS RECESSED LINEAR 2'X2' FIXTURE CIRCUIT BREAKER PANELBOARD EMERGENCY EGRESS FIXTURES: SHADED FIXTURES REPRESENT A EXISTING PANELBOARD TO REMAIN CONNECTION TO EMERGENCY EGRESS LIGHTING CIRCUIT VIA UL924 RELAY. DUAL CIRCUITS - NORMAL & EMERGENCY TERMINAL CABINET SHOWN ON PLAN SWITCHBOARD OR MOTOR CONTROL CENTER, AS NORMAL#/EM# OR NORMAL# SIZE AS SHOWN ON PLANS SURFACE LINEAR FIXTURE ON EMERGENCY EGRESS T DRY TYPE TRANSFORMER (SEE NOTES & RECESSED LINEAR FIXTURE ON EMERGENCY EGRESS ☐ RISER DIAGRAM FOR SIZE) ■ ● SINGLE POINT FIXTURE ON EMERGENCY EGRESS CIRCUIT TRANSFER SWITCH GROUND BAR ₩ UNIVERSAL/CEILING MOUNTED EXIT SIGN DIRECTIONAL EXIT SIGN (ARROWS INDICATE ONE OR **EQUIPMENT CONNECTIONS & CONTROLS** TWO SIDES AND DIRECTION INDICATED) EQUIPMENT CONNECTION EMERGENCY EXIT SIGN WITH DUAL PATHWAY HEADS MOTOR CONNECTION DUAL HEAD EMERGENCY EGRESS FIXTURE SQ SQUARE FAN CONNECTION SWITCH S SINGLE POLE LIGHT SWITCH ELECTRIC WALL HEATER CONTROLLED BY WALL MOUNTED THERMOSTAT S³ THREE POLE LIGHT SWITCH (NUMBER INDICATES NUMBER ELECTRIC WALL HEATER WITH INTEGRAL THERMOSTAT

CENTERLINE DIA DIAMETER DISC DISCONNECT DISP DISPOSER DW DISHWASHER E.C. ELECTRICAL CONTRACTOR ECB ENCLOSED CIRCUIT BREAKER EXISTING (USED AS SYMBOL DESIGNATION) EMT ELECTRICAL METALLIC TUBING EXTG EXISTING (USED AS ABBREVIATION IN TEXT) ELECTRIC VEHICLE (CHARGER) FAAP FIRE ALARM ANNUNCIATOR PANEL FACP FIRE ALARM CONTROL PANEL F.O.I.C. FURNISHED BY OTHERS, INSTALLED BY ELECTRICAL CONTRACTOR FSD FIRE SMOKE DAMPER GFCI GROUND FAULT CIRCUIT INTERRUPTER GND GROUND HWT HOT WATER TANK kCMIL THOUSANDS OF CIRCULAR MILS KVA 1000 VOLT AMPERES KW 1000 WATTS LCP LIGHTING CONTROL PANEL LTS(LTG) LIGHTS (LIGHTING) LV LOW VOLTAGE MCB MAIN CIRCUIT BREAKER MECH MECHANICAL MLO MAIN LUGS ONLY MSC MULTI-SCENE CONTROLLER N3R NEMA 3R NIC NOT IN CONTRACT NREC NON-RESIDENTIAL ENERGY CODE OS OCCUPANCY SENSOR PHOTOCELL PNL PANELBOARD REC RECEPTACLE(S) REF REFRIGERATOR RQMTS REQUIREMENTS SCL SEATTLE CITY LIGHT TBD TO BE DETERMINED TTB TELEPHONE TERMINAL BOARD OF POLES USED) TYP TYPICAL S_D DIMMER SWITCH UC UNDER COUNTER SOS OCCUPANCY SENSOR LIGHT SWITCH U.O.N. UNLESS OTHERWISE NOTED SVS VACANCY SENSOR LIGHT SWITCH UTIL UTILITY SIV LOW VOLTAGE SWITCH CONTROLLED BY ROOM SENSOR VOLT AMPERES S_{LVD} LIGHT SWITCH SUBSCRIPTS ARE AS FOLLOWS: VFD VARIABLE FREQUENCY DRIVE LV = LOW VOLTAGE, D = DIMMINGVACANCY SENSOR b = LOWER CASE LETTER CORRESPONDS TO LETTER AT FIXTURES TO BE CONTROLLED R# = RELAY # IN LIGHTING CONTROL PANEL WAP WIRELESS ACCESS POINT S# = SENSOR ZONE WC WATER COOLER (S) OCCUPANCY SENSOR (VS) VACANCY SENSOR W/O WITHOUT WP WEATHERPROOF PHOTOCELL LIGHT SENSOR XFMR TRANSFORMER PHOTOCELL AIMED NORTH, MOUNTED ON BUILDING EXTERIOR FLAGNOTE - IDENTIFIES A SPECIFIC ITEM ON A DRAWING. SP LIGHT SWITCH WITH PILOT LIGHT 3 COORESPONDS TO A SCHEDULE IN THE ELECTRICAL SET THAT EXPLAINS DETAILS OR FEATURES OF THAT ITEM. S^K KEYED SWITCH FF-3 MECHANICAL FLAG - DEFINES MECHANICAL EQUIPMENT AND COORESPONDS TO DESIGNATIONS IN MECHANICAL PLANS AND SCHEDULES. COORESPONDS MECHANICAL CONNECTION NOTE: THESE STANDARDS APPLY ON ALL ELECTRICAL DRAWINGS UNLESS NOTED OTHERWISE. SYMBOLS SHOWN ON PLANS IN STANDARD (HEAVY)
LINE WEIGHT ARE NEW OR RELOCATED WORK. INFORMATION THAT HAS BEEN REVISED. FLAG IDENTIFIES THE REVISION IN WHICH THE CHANGES WERE MADE. DETAIL NUMBER — APPEARS IN FRONT OF A TITLE ON SYMBOLS SHOWN IN LIGHT LINE WEIGHT OR (E) DESIGNATED WITH (E) INDICATE EXISTING TO REMAIN IDENTIFICATION SYMBOL — CROSS REFERENCES INFORMATION IN ONE AREA WITH A DETAIL (TOP #) AND SHEET (BOTTOM #) SYMBOLS SHOWN AS DASHED INDICATE ITEMS TO BE REMOVED OR DEMOLISHED.

PROJECT NOTES (APPLIES TO ALL ELECTRICAL DRAWINGS)

DISCONNECT SWITCH

PUSHBUTTON SWITCH

S^M MOTOR RATED SWITCH

FJ FUSED DISCONNECT SWITCH

ENCLOSED CIRCUIT BREAKER

₩ WALL MOUNTED THERMOSTAT

NOTES AND MISCELLANEOUS SYMBOLS

SCHEDULE IN THE ELECTRICAL SET.

IN ANOTHER IN THE ELECTRICAL SET.

REVISION CLOUD AND FLAG - CLOUD SURROUNDS

DRAWINGS WITH MORE THAN ONE ILLUSTRATION.

COMBINATION STARTER AND DISCONNECT

- . COMPLY WITH KIMCO REALTY CONSTRUCTION GUIDE & REQUIREMENTS. 2. PROVIDE PRINTED LABEL (1/8" TEXT) INDICATING CIRCUIT NUMBER AND PANEL FOR EACH RECEPTACLE WITHIN THE TENANT SPACE. ALL COVERPLATES SHALL BE MARKED WITH THE
- FEEDING THE DEVICE 3. FOR WORK ABOVE EXISTING CEILING: PROVIDE PRINTED LABEL (1/8" TEXT) INDICATING CIRCUIT NUMBER AND PANEL FOR EACH NEW OR EXISTING JUNCTION BOX (USED TO MODIFY/EXTEND EXISTING CIRCUITS) WITHIN THE TENANT SPACE. ALL COVERPLATES SHALL BE MARKED WITH THE CIRCUIT FEEDING THE DEVICE
- 4. DRAWINGS INDICATE GENERAL DESIGN INTENT AND PLACEMENT OF EQUIPMENT ONLY. INFORMATION SHOWN IS DIAGRAMMATIC AND DOES NOT NECESSARILY SHOW EVERY REQUIRED ACCESSORY, EXTENSION OR MOUNTING OPTION. PROVIDE EQUIPMENT, COMPLETE, WITH ALL NECESSARY ACCESSORIES AND HARDWARE IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS AND WITH THE AUTHORITIES HAVING JURISDICTION (AHJ). PROVIDE COMPLETE OPERATING SYSTEMS MEETING THE DESIGN
- 5. DO NOT SCALE FROM DRAWINGS. FIELD VERIFY EXISTING CONDITIONS PRIOR TO BID TO ESTABLISH THE FULL SCOPE OF WORK REQUIRED FOR COMPLETE AND OPERATIONAL SYSTEM INSTALLATION AS INDICATED ON THE CONTRACT DOCUMENTS.
- 6. SEAL ALL PENETRATIONS (WALL/CEILING/FLOOR/ETC.) WITH AHJ APPROVED FIRE STOPPING MATERIAL. REFER TO ARCHITECTURAL FOR RATED WALLS, CEILINGS AND
- 7. MAINTAIN EXISTING SYSTEMS IN OPERATION DURING CONSTRUCTION. VISIT SITE PRIOR TO BID TO VERIFY EXISTING CONDITIONS, DEMOLITION WORK & NEW WORK REQUIRED. EXISTING WIRING SERVING DEVICES TO REMAIN IN SERVICE THAT IS INTERRUPTED BY WORK PERFORMED IN THIS CONTRACT SHALL BE RE-ROUTED TO MAINTAIN CIRCUIT
- CONTINUITY. INCLUDE ALL COSTS IN BID.

 8. ELECTRICAL DEVICES, LIGHTING FIXTURES AND RACEWAY SYSTEMS WITHIN THE BUILDING THAT ARE NO LONGER IN USE AS A RESULT OF THIS CONTRACT SHALL BE REMOVED UNLESS OTHERWISE NOTED TO REMAIN OR BE REINSTALLED.
- 9. EXISTING RACEWAY SYSTEMS SHALL BE RE-USED AS MUCH AS PRACTICAL. FIELD VERIFY EXISTING SYSTEMS AND NTERCEPT AND EXTEND AS REQUIRED TO MEET THE REQUIREMENTS OF NEW WORK. INCLUDE ALL COSTS IN BID.
- 10. THE CONTRACT DOCUMENTS DO NOT SHOW ALL DEMOLITION WORK THAT MAY BE REQUIRED. THE CONTRACTOR SHALL INSPECT THE EXISTING CONDITIONS PRIOR TO BIDDING AND SHALL DETERMINE THE WORK REQUIRED TO PROVIDE A COMPLETE INSTALLATION AND DEMOLITION WITHIN THE INTENT OF THE CONTRACT DOCUMENTS. INCLUDE ALL DEMOLITION COSTS IN BID. REFER TO ARCHITECTURAL DEMOLITION SHEETS AND GENERAL NOTES FOR SCOPE OF DEMOLITION WORK TO BE DONE.
- 11. REFER TO ARCHITECTURAL 'GENERAL NOTES' & 'PROJECT NOTES' FOR ADDITIONAL CONTRACT REQUIREMENTS.

DRAWING INDEX

E0.1 ELECTRICAL LEGEND, SCHEDULES

E1.1 ELECTRICAL SITE PLAN E2.1 LARGE SCALE POWER/COMMUNICATIONS & LIGHTING PLAN

E9.1 RISER DIAGRAM, PANEL SCHEDULES & LOAD SUMMARIES

ARCHITEĊTURE 311 FIRST AVENUE SOUTH SEATTLE, WA 98104 t 206.324.4800



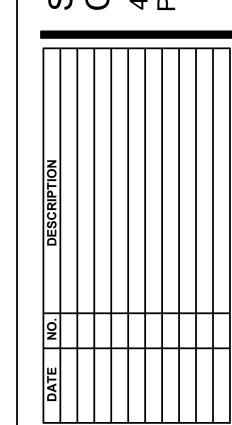
Consulting Electrical Engineers 19515 North Creek Parkway, Suite 302 Bothell, WA 98011 425-402-9400 office@caseeng.com



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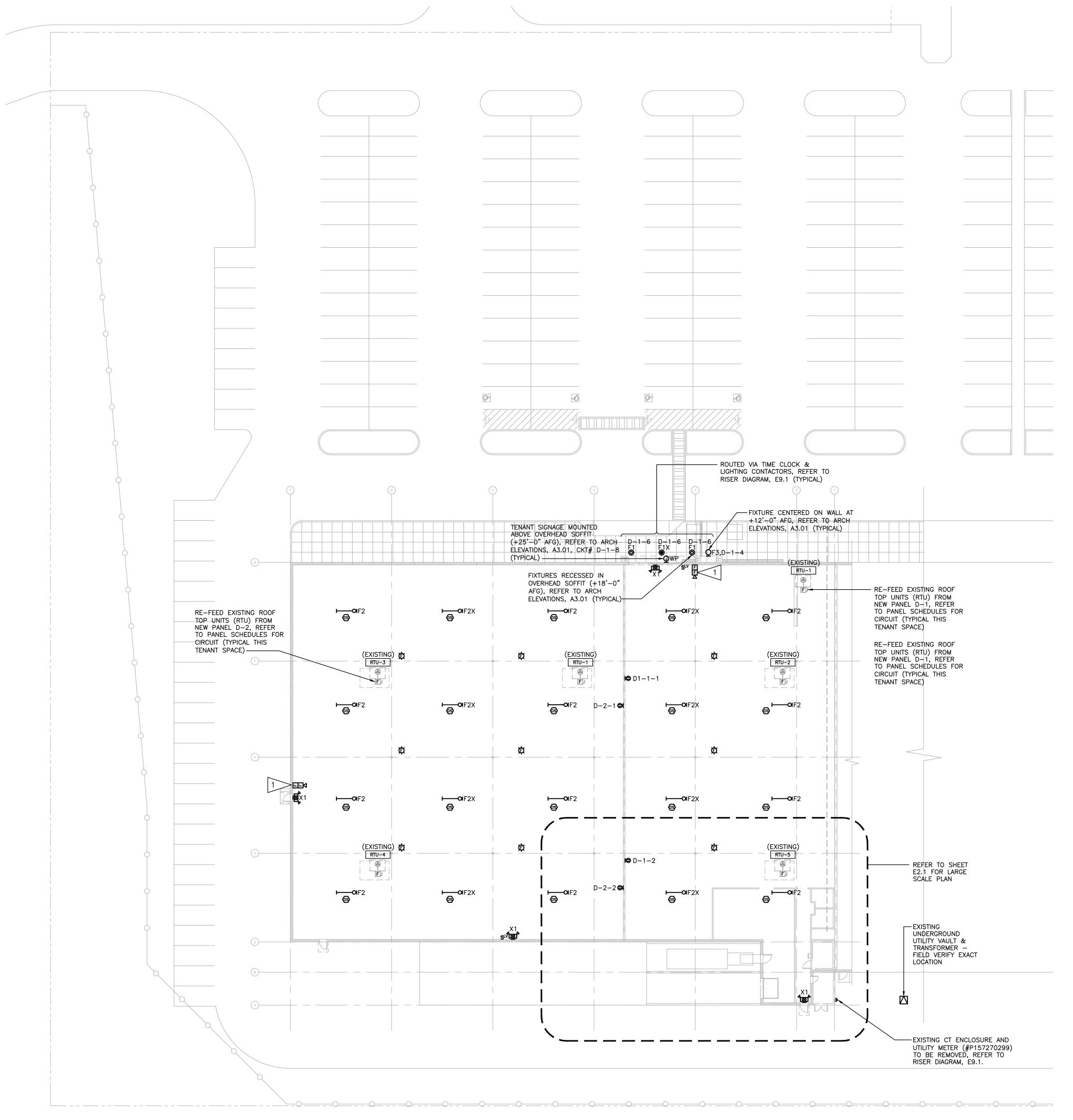
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ELECTRICAL LEGEND

PROJECT NO.: PROJECT MGR.: DRAWN BY: DATE:

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ELECTRICAL SITE PLAN

SCALE: 1" = 20'-0"



GENERAL NOTES

- FIRE ALARM SYSTEM IS BIDDER DESIGNED. EXTEND EXISTING SYSTEM TO MODIFIED AREAS. COMPLY WITH ALL CODES AND REQUIREMENTS OF THE CITY OF SEATTLE. PROVIDE A COMPLETE AND APPROVED SYSTEM. PAY ALL COSTS ASSOCIATED WITH PRODUCTION OF PLAN REVIEW DOCUMENTS, REVIEW FEES AND PERMIT FEES.
- SUBMIT COMPLETED FIRE ALARM DESIGN DRAWINGS AND CALCULATIONS TO AUTHORITY HAVING JURISDICTION FOR APPROVAL. COMPLY WITH AND
- PROVIDE ALL REQUIREMENTS.

 3. SUBMIT APPROVED DRAWINGS AND CALCULATIONS TO OWNER FOR REVIEW
- PRIOR TO PURCHASE OF EQUIPMENT OR ROUGH IN.

 4. COORDINATE ALL DEVICE LOCATIONS WITH ARCHITECTURAL INTERIOR ELEVATIONS AND CEILING PLANS PRIOR TO ROUGH—IN.
- 5. SHOULD ANY DEVICE LOCATION FALL WITHIN A MIRROR OR OTHER ARCHITECTURAL FEATURE, COORDINATE LOCATION WITH ARCHITECT PRIOR TO
- ROUGH IN.

 6. FIELD VERIFY EXISTING CONDITIONS PRIOR TO BID.
- 7. FIELD VERIFY EXISTING FIRE ALARM SYSTEM MANUFACTURER AND COORDINATE REQUIREMENTS TO MODIFY EXISTING SYSTEM TO ACCOMODATE
- NEW WORK INCLUDE ALL COSTS IN BID.

 8. DEVICES SHOWN ARE NOT TO BE CONSTUED AS ONLY DEVICES NEEDED TO COMPLY WITH CODE AND AHJ'S REQUIREMENTS

FLAG NOTES

1 PROVIDE LABOR AND MATERIALS AS REQUIRED TO PROVIDE CODE COMPLIANT MINIMAL DESIGN. DEVICE SHOWN FOR REFERENCE ONLY. FIRE ALARM SYSTEM IS BIDDER DESIGN.

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SEATTLE, WA 98104
t 206.324.4800
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CASE
ENGINEERING
Consulting Electrical Engineers

19515 North Creek Parkway, Suite 302

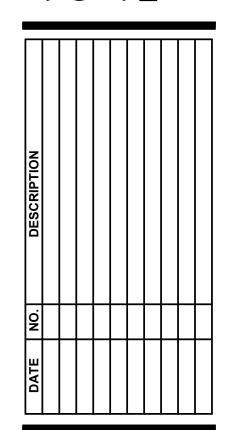
Bothell, WA 98011



A MALL SE, SUITE F10 ASHINGTON. 98006 745

4065 FACTORIA MALL SE, S BELLEVUE, WASHINGTON. (425) 505-3745

SOUTH HILL CENTER - SPACE COMMERCIAL TENANT IMPROVATIOZ SOUTH MERIDIAN PUYALLUP, WA 98373



ELECTRICAL SITE PLAN

ROJECT NO.: 24163
ROJECT MGR.: SG
RAWN BY: BY
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E1.1

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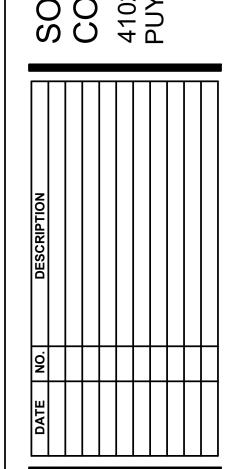
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Consulting Electrical Engineers

19515 North Creek Parkway, Suite 302
Bothell, WA 98011
425-402-9400 office@caseeng.com



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UTH HILL CENTER - SPACE 10
MMERCIAL TENANT IMPROVEMENT
2 SOUTH MERIDIAN



LARGE SCALE
POWER/
COMMUNICATIONS
AND LIGHTING
PLAN

PROJECT NO.: 2416
PROJECT MGR.: SC
DRAWN BY: B'
DATE: 7-2-2

E2.1

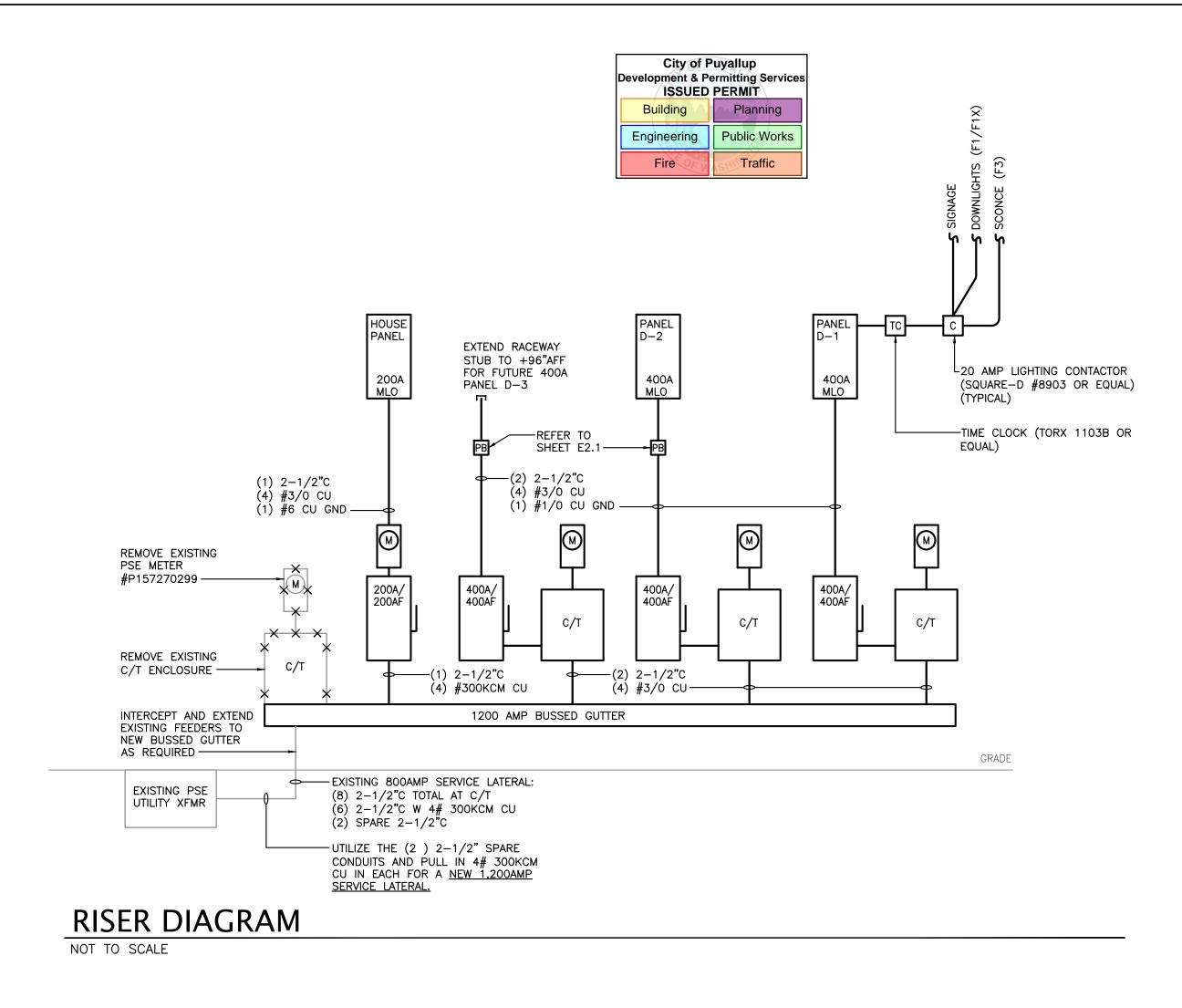
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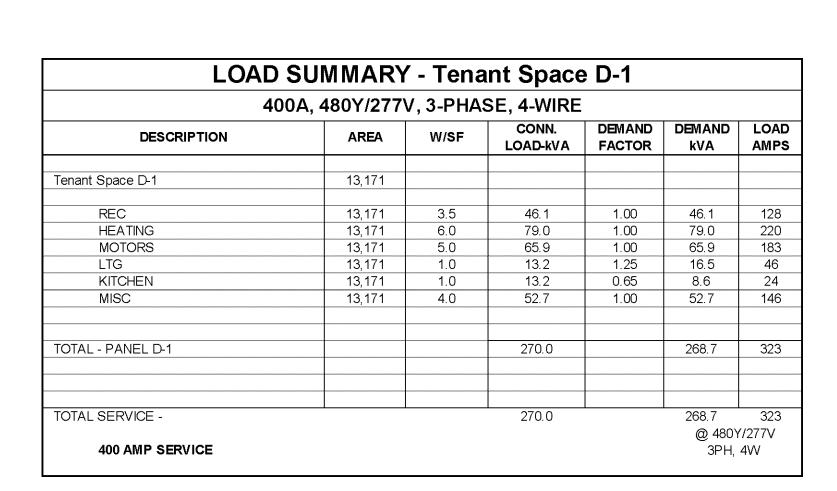
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	3	REC	В	20	1	0.36						0.36	FEEDER AMPS:	400
	5	SPARE	c	20	1								L - L VOLTS :	208
	7	SPARE	A	20	1								L-NVOLTS:	120
	9	SPARE	В	20	1								PHASE:	3
		SPARE	c	20	1								WIRE:	4
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	4	FIXTURE TYPE F3	B	20	1				0.32		0.00	0.32	HEAT KVA:	0.1
	6	FIXTURE TYPE F1 / F1X	C	20	1		-		0.87			0.87	MOTOR KVA:	105.6
	8	SIGNAGE	A	20	<u> </u>				0.50			0.50	LIGHTING KVA:	1.7
	_	SPARE	В	20	1				0.00			0.00	KITCHEN KVA:	1
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		REC	В	20	1	0.36						0.36	FEEDER AMPS:	400
		SPARE	С	20	1								L - L VOLTS:	208
		SPARE	Α	20	1								L - N VOLTS:	12
		SPARE	В	20	1								PHASE:	3
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	38	SPACE ONLY	Α		T								DEMAND LOAD	
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	42	SPACE ONLY	С										AMPS:	323
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		SPARE	В		- 1								MAIN CB	1
		SPARE	C		- 3								FLUSH	1
		SPARE	A										SURFACE X	1
		SPARE	В										ISO GND	1
		SPARE	C		1								FEED-THRU	
		SPACE ONLY	A		-						ļ			
		SPACE ONLY	В	1	_		-				ļ			
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		SPACE ONLY	A		-		-				ļ		LOAD SUM I	
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		SPACE ONLY	C		Ų,								DE0 10 14	
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		SPARE	C								ļ		MOTOR KVA:	
		SPARE	A		1		-						LIGHTING KVA:	
		SPARE SPARE	B C		1								KITCHEN KVA:	
		SPARE	A				-				<u> </u>		OTHER KVA:	
		SPARE	B										PHASEA KVA:	
		SPARE	C		1								AMPS:	
		SPARE	A				-				<u> </u>		PHASEB KVA:	
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		SPARE	l C				-			·				
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		SPACEONLY	В										KVA :	
		SPACEONLY	C				 			 			AMPS:	
NOTE		MARKS:		1	D	EN AN	D/ DIVI	ERSITY	FACT	ORS				
1.					\vdash		DESC						DEMA ND	
2.					H	R	RECE	PTACLE	S - TC	10KV	Ą		100% =	
3.								REMA	INING (OVER 1	0KVA		50% =	
						Н	HEATI	NG					100% =	
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						LM		LARG	EST M	OTOR			125% =	
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						K	KITCH	EN					65% =	
						0	OTHE	_					100% =	





LOAD	LOAD SUMMARY - Tenant Space D-2							
200	200A, 480Y/277V, 3-PHASE, 4-WIRE							
DESCRIPTION	AREA	W/SF	CONN. LOAD-kVA	DEMAND FACTOR	DEMAND kVA	LOAD AMPS		
Tenant Space D-2	9,394							
REC	9,394	3.5	32.9	1.00	32.9	40		
HEATING	9,394	6.0	56.4	1.00	56.4	68		
MOTORS	9,394	5.0	47.0	1.00	47.0	57		
LTG	9,394	1.0	9.4	1.25	11.7	14		
KITCHEN	9,394	1.0	9.4	0.65	6.1	7		
MISC	9,394	4.0	37.6	1.00	37.6	45		
TOTAL - PANEL D-2			192.6		191.6	231		
TOTAL SERVICE -			192.6		191.6	231		
200 AMP SERVICE					@ 480Y 3PH,			

PANEL D-1			270.01		268.69	323.3
PANEL D-2			192.58		191.64	230.6
PANEL D-3			215.25		214.20	257.8
HOUSE PANEL			97.00		93.25	112.2
TOTAL SEVICE:	774.83	_	_	923.92 Y/277V		
*50% DEMAND ON GENERAL USE **DOES NOT INCLUDE RECEPTACL					3PH,	4VV
LOAD SUI	MMARY	/ - Tena	nt Space	D-3		
400A, 4	180Y/2 <mark>77</mark>	V, 3-PHAS	SE, 4-WIRE			
DESCRIPTION	AREA	W/SF	CONN. LOAD-kVA	DEMAND FACTOR	DEMAND kVA	LOAD AMPS

TOTAL SERVICE LOAD SUMMARY

1,200A BUSSED GUTTER, 480Y/277V, 3-PHASE, 4-WIRE

CONNECTED DEMAND DEMAND LOAD LOAD-kVA FACTOR kVA AMPS

400A, 480Y/277V, 3-PHASE, 4-WIRE								
DESCRIPTION	AREA	W/SF	CONN. LOAD-kVA	DEMAND FACTOR	DEMAND kVA	LOAD AMPS		
Tenant Space D-3	10,500							
REC	10,500	3.5	36.8	1.00	36.8	44		
HEATING	10,500	6.0	63.0	1.00	63.0	76		
MOTORS	10,500	5.0	52.5	1.00	52.5	63		
LTG	10,500	1.0	10.5	1.25	13.1	16		
KITCHEN	10,500	1.0	10.5	0.65	6.8	8		
MISC	10,500	4.0	42.0	1.00	42.0	51		
TOTAL - PANEL D-3			215.3		214.2	258		
TOTAL SERVICE -			215.3	I.	214.2	258		

HOUSE PANEL - 200A, 480Y/277V, 3-PHASE, 4-WIRE									
DESCRIPTION	CONNECTED LOAD-kVA	DEMAND FACTOR	DEMAND kVA	LOAD AMPS					
HOUSE PANEL									
RECEPTACLES - GENERAL USE**	4.00	*	0.00	0.0					
HEATING (ANTICIPATED FUTURE HVAC)	85.00	1.00	85.00	102.3					
MOTORS	4.00	1.00	4.00	4.8					
LIGHTING	1.00	1.25	1.25	1.5					
KITCHEN	0.00	0.65	0.00	0.0					
OTHER	3.00	1.00	3.00	3.6					
TOTAL: HOUSE PANEL	97.00		93.25	112.21					
TOTAL. HOUSE PAINEL	97.00		@ 480\						
			3PH,						







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SOUTH HILL CENTER - SPACE 10 COMMERCIAL TENANT IMPROVEMEN⁻ 4102 SOUTH MERIDIAN

RISER DIAGRAM,
PANEL SCHEDULES
& LOAD SUMMARIES

PROJECT NO.: 24163
PROJECT MGR.: SG
DRAWN BY: BY
DATE: 7-2-24

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