

CITY OF CODY
PLANNING, ZONING AND ADJUSTMENT BOARD
TUESDAY, SEPTEMBER 26, 2017
CITY HALL COUNCIL CHAMBERS @ 12:00 NOON

1. Call to Order by Steve Miller, Chairman
2. Roll Call, excused members
3. Pledge of Allegiance
4. Approval of Agenda
5. Approval of Minutes of the September 12, 2017 regular meeting.
6. NEW BUSINESS:
 - A. Commercial Site Plan Review for Northwest Rural Water District to construct a new office and storage shop, located at 526 Stone Street.
 - B. Accessory Dwelling Amendment for R2 Zoning.
7. P&Z Board Matters (announcements, comments, etc.).
8. Council Update:
9. Staff Items: Infill Subdivision Standards
10. Adjourn

The public is invited to attend all Planning, Zoning and Adjustment Board meetings. If you need special accommodations to participate in the meeting, please call the City office at (307) 527-7511 at least 24 hours in advance of the meeting.

City of Cody
Planning, Zoning and Adjustment Board
Tuesday, September 12, 2017

A meeting of the Cody Planning, Zoning and Adjustment Board was held in the Council Chambers of City Hall in Cody, Wyoming on Tuesday, September 12, 2017 at 12:00 pm.

Present: Steve Miller, Chairman; Heidi Rasmussen, Kayl Mitchell, Heidi Rasmussen, Curt Dansie, Buzzy Hassrick, Reese Graham, Glenn A. Nielson, Council Liaison; Sandra Kitchen, City Deputy Attorney; Todd Stowell, City Planner; Bernie Butler, Administrative Assistant.

Absent: Richard Jones

Chairman Steve Miller, called the meeting to order at 12:00 pm, followed by the pledge of allegiance.

Buzzy Hassrick made a motion, seconded by Reese Graham, to approve the agenda for September 12, 2017. Vote on the motion was unanimous, motion carried.

Kayl Mitchell made a motion, seconded by Heidi Rasmussen, to approve the minutes for the August 22, 2017 meeting. Vote on the motion was unanimous, motion carried.

NEW BUSINESS:

A. Todd Stowell presented a Downtown sign plan review for the Fraternal Order of Eagles Aerie #818, located at 1001 13th Street, for a lighted message board. The sign would be a 4-foot x 8-foot reader board.

Heidi Rasmussen made a motion, seconded by Curt Dansie, to approve the Eagles reader board as presented, subject to compliance with the on-premise advertising limitations.

Vote on the motion was unanimous, motion carried.

B. The Public Hearing for a Conditional Use Permit for T-Mobile West, LLC to install a wireless communications facility on the Riley Arena, at 1400 Heart Mountain Street, began at 12:07 p.m.

There were no comments from the public.

The Public Hearing for a Conditional Use Permit, for T-Mobile West, LLC to install a wireless communications facility on the Riley Arena, at 1400 Heart Mountain Street was closed at 12:08 p.m., with no additional public comments submitted.

C. Todd presented a Conditional Use Permit for T-Mobile West, LLC to install a wireless communications facility on the Riley Arena, at 1400 Heart Mountain Street.

Chairman Steve Miller reviewed the seven criteria for the Conditional Use Permit with the Board.

Heidi Rasmussen made a motion, seconded by Buzzy Hassrick, to find that the Conditional Use Permit review criteria of Section 10-14-1(D) were met by the applicant, and to grant a Conditional Use Permit for T-Mobile West, LLC to install a wireless communications facility at the Riley Arena, located at 1400 Heart Mountain Street, subject to the following conditions:

1. All roof-top equipment and support structures must be painted off-white or light grey.
2. All wall-mounted equipment and support structures must be painted the color of the portion of the wall on which they are located.
3. The vertical run of wire near the ground equipment must be enclosed within a solid chase (e.g. sheet metal).
4. Provide a 12-foot tall masonry wall to screen the ground equipment area from public view (see line of sight drawing). The wall must be of the same color and material as the screened area at the aquatic center (see photo).
5. When/If the generator is installed it must contain a sound reduction package and regular maintenance/testing of the generator is limited to between 8 a.m. and 6 p.m.
6. Within five days of operation, provide certification from a qualified Wyoming licensed engineer that the wireless communication facility meets health and safety standards for RF emissions as established by the Federal Communications Commission. If certification is not provided as stated, the facility shall immediately be shut down until certification occurs.
7. The facility must otherwise comply with the application materials, meet the requirements of the wireless communication facility ordinance, and comply with applicable building, fire, and electrical codes.

The Board Members voted as follows: Kayl Mitchell, Buzzy Hassrick, Reese Graham, Steve Miller, and Heidi Rasmussen voted to approve the motion, with Curt Dansie voting against the motion. Motion passed.

D. Todd Stowell presented a commercial site plan review and architectural plans for Valor Healthcare, to remodel an existing metal building for the Veteran's Administration Medical Services Center, located at 1432 Rumsey Avenue.

Kane Morris of Point Architects answered questions from the Board related to the existing sidewalk condition and painting of the building.

Heidi Rasmussen made a motion, seconded by Buzzy Hassrick, to approve the site plan and architectural plans subject to the following items:

1. Provide a revised exterior lighting plan for review and approval by the Board. The plan must provide adequate parking lot lighting and avoid any glare impacts.
2. Stripe the on-street parking spaces (first time only), and coordinate method with Public Works.
3. The painting of the exterior must utilize at least two complimentary tones on each wall, and the colors must coordinate with the masonry wainscot. The Board suggests that the paint be neutral colors to match the wainscot. The applicant will let the City Planner know if the client is not willing to go with neutral colors.

4. Provide the required 6-foot tall solid fence along the east property line, keeping it sufficiently back from the alley to avoid sight-distance problems.
5. Any applicable city utility fees are to be paid prior to building permit issuance.
6. The project must otherwise comply with the site plan and applicable building, fire, and electrical codes.
7. A building permit must be obtained within two years or this authorization will expire.
8. The existing curb cut is to be replaced with standard curb and gutter to city requirements.

Vote on the motion was unanimous, motion passed.

P & Z Board Matters – none

Council Updates – Glenn Nielson expressed some concern whether the Board should be specifying preferences or making suggestions for private property development.

Staff Items – none

Curt Dansie made a motion, seconded by Heidi Rasmussen, to adjourn the meeting. Vote on the motion was unanimous, motion carried.

There being no further business to come before the Board, Chairman Miller adjourned the meeting at 12:57 p.m.

Bernie Butler, Administrative Assistant

**CITY OF CODY
PLANNING, ZONING AND ADJUSTMENT BOARD
STAFF REPORT**

MEETING DATE:	SEPTEMBER 26, 2017	TYPE OF ACTION NEEDED	
AGENDA ITEM:		P&Z BOARD APPROVAL:	X
SUBJECT:	SITE PLAN REVIEW: NORTHWEST RURAL WATER DISTRICT OFFICE AND SHOP. SPR 2017-21	RECOMMENDATION TO COUNCIL:	
PREPARED BY:	TODD STOWELL, CITY PLANNER	DISCUSSION ONLY:	

PROJECT DESCRIPTION:

The Northwest Rural Water District has submitted an application to construct a new office, storage shop and associated improvements on a vacant 1.32-acre property located on the east side of Stone Street, about 600 feet south of Big Horn Avenue.

The office portion of the building would be 2,389 square feet and be utilized as the headquarters of the Water District. Customer billing and payments will occur in the office, so customer traffic is expected. Attached to the office portion of the building is a 70-foot by 71-foot shop, which would be utilized for storage and maintenance/repair work of the District's equipment. An outdoor storage yard, formed by a 6-foot tall vinyl-coated chain-link fence, would occupy the southern portion of the property.



The plans have already been updated based on the initial staff review, so there are only a few outstanding items for discussion.

REVIEW CRITERIA:

Section 10-10C-5 of the zoning regulations states:

All structures within the district shall be architecturally compatible. Architectural and landscaping plans shall be submitted to the planning and zoning commission for approval. Architectural and landscaping details shall be maintained as shown by the approved plans.

Section 9-2-3 is as follows:

Before the issuance of any permit under the international building code for commercial buildings situated within the city, the applicant, property owner and occupant shall meet with the planning, zoning and adjustment board to review the application and plans insofar as they pertain to the exterior of a commercial building and site plan conditions. The issuance of a permit shall be conditioned upon the applicant receiving an affirmative vote of a majority of the planning, zoning and adjustment board members in attendance at said meeting.

In addition, the site plan is reviewed for compliance with specific development standards of the zoning ordinance.

STAFF COMMENTS:

The property is zoned Open Business/Light Industrial (D-3), which allows office buildings, contractor yards, and heavy equipment storage. The surrounding area is as follows:

<i>DIRECTION</i>	<i>EXISTING USE</i>	<i>ZONING</i>
North	Vacant.	D-3
East	Mountain Equipment at NE corner, FedEx Facility along most of east side.	D-3
South	Vacant.	D-3
West	Vacant. Residential about 250' to SW.	D-3

Architecture:

The architectural elevations of the building are found on Sheet A4.1. The building has been professionally designed and utilizes quality and well-proportioned materials. The primary wall materials are brick veneer and vertical metal siding, along with generous glazing. The roof is a 4:12 pitch, with laminated asphalt shingles. An extended roof structure over the main entrance further enhances the architecture of the building. The Board will need to determine if the architectural components of the building are acceptable. Staff has no concerns with the architectural components of the building.

Landscaping:

A professionally designed landscape plan is included in the application-see Sheets L1.1 and L2.1. Landscape beds are located around the building as well as along the north property line and north ends of the east and west property lines. Several trees and perennials are proposed, with a 1 ½" minus river rock groundcover. The plants selected generally appear appropriate for the climate and location, with a few possible exceptions noted.

The three Toba Hawthorne trees along the front sidewalk will need to be pruned so as to avoid conflict with use of the sidewalk and parking lot. The City ordinance requires eight feet of clearance above the sidewalk and seven feet of clearance over the parking lot. The landscape bed in which they are located is only 3 ½ feet wide, so it does not

leave much room to work with. Other items to note are that the Ph of the native soil may need adjusted for the maple trees and the wind in that area and native soil conditions may be hard on the arborvitae.

Access and Parking:

The office building will have two primary access points into a paved parking lot. The two accesses will help with customer access flow. They are designed more like an intersection than a small driveway, in that they do not have the concrete sidewalk surface across the approach, which is okay with the city engineer, provided ADA slope compliance is maintained, which according to the plans will be, but construction variation must be closely monitored.

The parking lot dimensions and drive aisles meet city dimensional and surfacing requirements. The five employee parking spaces next to the shop are in a gravel surface area and have the required parking blocks to delineate the spaces. Lighting of the parking lot is provided by building lighting.

The storage yard is not considered an official parking lot, so the parking ordinance is not applicable to that area. However, to avoid nuisance issues from mud and dust, the applicant is planning to gravel the entire area. While much of the storage yard is not shown as being graveled, the District intends to do so "in house". The plans only show the contracted work.

Exterior Lighting

The exterior lighting details are included on Sheets 26.02, 26.11, and 26.21. If you look at Sheet 26.11 you will see fixtures "G" and "H" for much of the perimeter lighting. Fixture G is on the left below and Fixture H is on the middle, followed by the parking lot lights that would be mounted on 20-foot poles. The flag pole lighting is in-ground.



The amount of lighting is on the higher side of illumination, but appears to be largely contained within the property boundaries. Photometric data sheets showing the light patterns are attached.

Neighborhood Compatibility, Setbacks and Buffers, and Height Requirements

There are no specified zoning setbacks or building height limits in this zone. No residential buffers are required for this proposal as there is no adjacent residential

zoning. While staff would prefer if the storage yard had screening along the south and west sides, either in the form of solid fencing or vegetation, there is no specific requirement for such so long as the equipment stored is done in an orderly manner and does not include inoperable vehicles.

Storm Water Plan:

A detailed storm water plan has been submitted and is acceptable to the City engineer. In summary, storm water is collected throughout the site by a series of catch basins that are piped to an underground infiltration area. Due to the nature of the system, it must be registered with WY DEQ. The City asks for a copy of the application to verify compliance.

Snow Storage

The snow storage area is shown in the northeast portion of the property and at the south boundary. Both locations will allow storm water to melt in a location that does not appear to affect neighboring properties.

Utility Services

The building will utilize domestic water, power, gas, and sewer service, as shown on the site plan—see Sheet C3.1. Not shown on the plans, but needed, is to install a new transformer. The electrical division has provided an estimate. Public Works is otherwise okay with the plans for the city utilities. The 4" water line extension will trigger WY DEQ review. All utilities will be coordinated with the utility providers.

Signs

A monument sign, 4-feet wide by 4 ½ feet tall is proposed near the main entrance. See Sheet A7.1. The sign meets the size and location requirements of the sign code and can be authorized.

Hydrant

The building relies on the fire hydrant directly across the street for fire protection.

Frontage Status

A full width paved street, curb, gutter, and streetlights exist along the full property frontage. Missing sections of sidewalk are proposed to be constructed on the property frontage as part of the project.

The modifications to the approaches involve removal of existing curb and gutter. Public Works requires a 5-foot wide asphalt patch when curb and gutter is removed, in order to provide good compaction and a smooth asphalt finish. The plans currently show only a 2.5-foot patch.

Garbage

The dumpster location is at the north end of the property, where backing of the garbage

truck would be required. The City and applicant are discussing whether roll-out service would be better. Additional discussion can be provided at the meeting.

Other

Lot Consolidation--The project encompasses two lots. The intervening lot line needs to be removed through the lot consolidation process (City code 11-6B). The process should be completed as part of the building permit process.

ATTACHMENTS:

Application materials.

ALTERNATIVES:

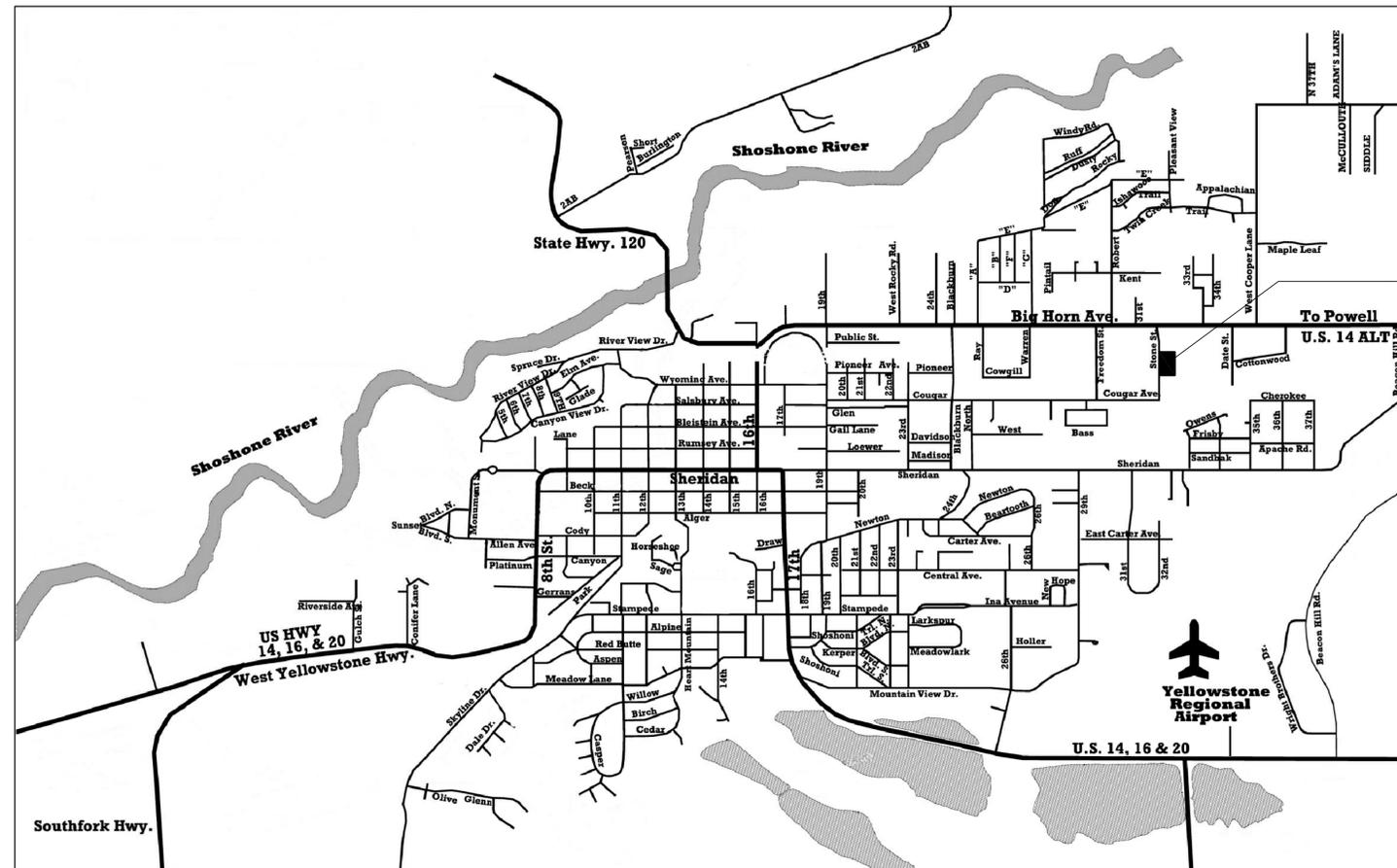
Approve or deny the site plan with or without changes.

RECOMMENDATION:

It is recommended that the Planning and Zoning Board approve the project subject to the following items:

1. Any applicable city utility fees (water, sewer, electrical) are to be paid prior to building permit issuance—coordinate with Public Works.
2. The lots must be merged through the lot consolidation process.
3. Any storage yard area that has active vehicle use must have a gravel surface, or better.
4. A street encroachment permit must be obtained for all work within the street right-of-way (e.g. curb and gutter work).
5. Provide copies of the WY DEQ applications (storm water registration and water line extension) to the City.
6. Once constructed, the applicant's engineer is to certify that the storm water system was constructed as designed, or equivalent.
7. The project must otherwise comply with the site plan and applicable building, fire, and electrical codes.
8. A building permit must be obtained within three years or this authorization will expire.

NEW OFFICE BUILDING FOR CODY NORTHWEST RURAL WATER DISTRICT LOTS 6 & 8 ROCKY MOUNTAIN BUSINESS PARK STONE STREET, CODY, WYOMING



PROJECT LOCATION

ARCHITECT & STRUCTURAL ENGINEER

MALONE BELTON ABEL P.C.
340 WEST DOW STREET
SHERIDAN, WYOMING 82414
PH. 1.307.674.4476

CONTACT: THANE MAGELKY

CIVIL ENGINEERING

GDA ENGINEERS
502 33rd STREET
CODY, WYOMING 82414
PH. 1.307.587.3411

CONTACT: DUSTIN SPOMER

MECHANICAL AND ELECTRICAL ENGINEER

SIMPLICITY CONSULTING ENGINEERING & DESIGN, LLC
BOX 51272
BILLINGS, MONTANA, 59105-1272
PH. 1.406.254.7157

CONTACT: CORY HASIAK

LANDSCAPE CONSULTANT

PEAKS TO PLAINS DESIGN, PC
404 N. 31 STREET, SUITE 405
BILLINGS, MONTANA 59101
PH. 1.406.294.9499

CONTACT: JOLENE RIECK

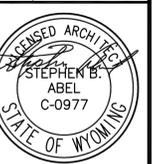
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JOB No. 1616
DATE 9/18/17

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NEW OFFICE BUILDING
FOR
CODY NORTHWEST RURAL WATER DISTRICT
LOTS 6&8 ROCKY MOUNTAIN BUSINESS PARK
STONE STREET, CODY, WYOMING

SHT/SET

G0.1

CODE ANALYSIS
CODY NORTHWEST RURAL WATER DISTRICT NEW OFFICE BUILDING

APPLICABLE BUILDING CODES:
 IBC 2015, IFC 2015, IMC 2015, IECC 2012, NEC 2014

PROJECT LOCATION:
 LOTS 648, ROCKY MOUNTAIN BUSINESS PARK
 STONE STREET, CODY, WY

GENERAL BUILDING INFORMATION

NEW OFFICE BUILDING & SHOP
 OFFICE SQUARE FOOTAGE: 2389 SQUARE FEET
 1 STORIES
 SHOP SQUARE FOOTAGE: 5586 SQUARE FEET
 1 STORIES WITH MEZZANINE
 TOTAL: 7975 SQUARE FEET

TYPE V-B CONSTRUCTION (TABLE 601)

CHAPTER 3 - USE AND OCCUPANCY CLASSIFICATION

OCCUPANCY CLASSIFICATIONS PRESENT:

BUSINESS GROUP B (OFFICE BUILDING)-IBC 304
 GROUP B WITH AN OCCUPANCY OF LESS THAN 50 PEOPLE.
 STORAGE GROUP S-1 (MODERATE HAZARD STORAGE)-IBC 311.3

CHAPTER 5 - GENERAL BUILDING HEIGHT AND AREAS (TABLE 506.2)

BASIC ALLOWABLE AREA, B & S-1 = 36000 SQUARE FEET (SINGLE STORY WITH FIRE SPRINKLER SYSTEM)
 ACTUAL BUILDING AREA = 7975 SQUARE FEET

504.3 HEIGHT IN FEET

PER TABLE 504.3 ALLOWABLE BUILDING HEIGHT IN FEET ABOVE GRADE PLANE

EQUIPPED WITH SPRINKLER SYSTEM
 TYPE V-B CONSTRUCTION
 ALLOWABLE HEIGHT = 60 FT
 ACTUAL BUILDING HEIGHT = 28'-8"

MEZZANINE AND EQUIPMENT PLATFORMS - IBC 505

MEZZANINE AREA LIMITS = $\frac{1}{3}$ OF FLOOR AREA BELOW - IBC 505
 MINIMUM CEILING HEIGHT OF 7'-0" IBC 505.2

UNLIMITED BUILDING AREA - IBC 507

SPRINKLERED ONE STORY BUILDING, GROUP B OR S - IBC 507.4

REQUIRED SEPARATION OF OCCUPANCIES, IBC TABLE 508.4

SPRINKLERED GROUP B / S-1 = NO SEPARATION REQUIRED

CHAPTER 6 - TYPES OF CONSTRUCTION

TABLE 601 - FIRE-RESISTANCE RATING REQUIREMENTS FOR BUILDING ELEMENTS

TYPE V-B CONSTRUCTION		
PRIMARY STRUCTURAL FRAME	-	0 HR
BEARING WALLS - EXTERIOR	-	0 HR
BEARING WALLS - INTERIOR	-	0 HR
NONBEARING WALLS AND PARTITIONS - EXTERIOR	-	0 HR
NONBEARING WALLS AND PARTITIONS - INTERIOR	-	0 HR
FLOOR CONSTRUCTION AND SECONDARY MEMBERS	-	0 HR
ROOF CONSTRUCTION AND SECONDARY MEMBERS	-	0 HR

TABLE 602 - FIRE-RESISTANCE RATING REQUIREMENTS FOR EXTERIOR WALLS BASED ON FIRE SEPARATION DISTANCE

TYPE V-B CONSTRUCTION - OCCUPANCY GROUP B AND S-1		
X < 10 FEET	-	1 HR

SECTION 602 CONSTRUCTION CLASSIFICATION

TYPE V (602.2)
 TYPE V CONSTRUCTION IS THAT TYPE OF CONSTRUCTION IN WHICH THE STRUCTURAL ELEMENTS, EXTERIOR WALLS, AND INTERIOR WALLS ARE OF ANY MATERIALS PERMITTED BY THIS CODE.

CHAPTER 9 - INTERIOR FINISHES

SECTION 903 WALL AND CEILING FINISHES

PER TABLE 903.11 INTERIOR WALL AND CEILING FINISH REQUIREMENTS BY OCCUPANCY.

OCCUPANCY B:
 ROOMS AND ENCLOSED SPACES - CLASS C
 OCCUPANCY S-1:
 ROOMS AND ENCLOSED SPACES - CLASS C

CHAPTER 9 - FIRE PROTECTION SYSTEMS

SECTION 903 AUTOMATIC SPRINKLER SYSTEMS

CHAPTER 10 - MEANS OF EGRESS

SECTION 1004 OCCUPANT LOAD

TOTAL OCCUPANT LOAD PER OCCUPANCY GROUP

OFFICE B	-	11
ASSEMBLY A	-	23
STORAGE S-1	-	24
TOTAL BUILDING OCCUPANT LOAD		
TOTAL OCCUPANTS	-	58

1004.3 POSTING OF OCCUPANT LOAD

EVERY ROOM OR SPACE THAT IS AN ASSEMBLY OCCUPANCY SHALL HAVE THE OCCUPANT LOAD OF THE ROOM POSTED IN CONSPICUOUS PLACE, NEAR THE MAIN EXIT OR EXIT ACCESS DOORWAY FROM THE ROOM OR SPACE.

SECTION 1006 NUMBER OF EXITS AND EXIT ACCESS DOORWAYS

1006.2.1 EGRESS BASED ON OCCUPANT LOAD AND COMMON PATH OF EGRESS TRAVEL DISTANCE

TWO EXITS, OR EXIT ACCESS DOORWAYS ARE REQUIRED.

SECTION 1017 EXIT ACCESS TRAVEL DISTANCE

TABLE 1017.2	B = 300'
	S-1 = 250'

SECTION 1020 CORRIDOR FIRE RESISTANCE RATING

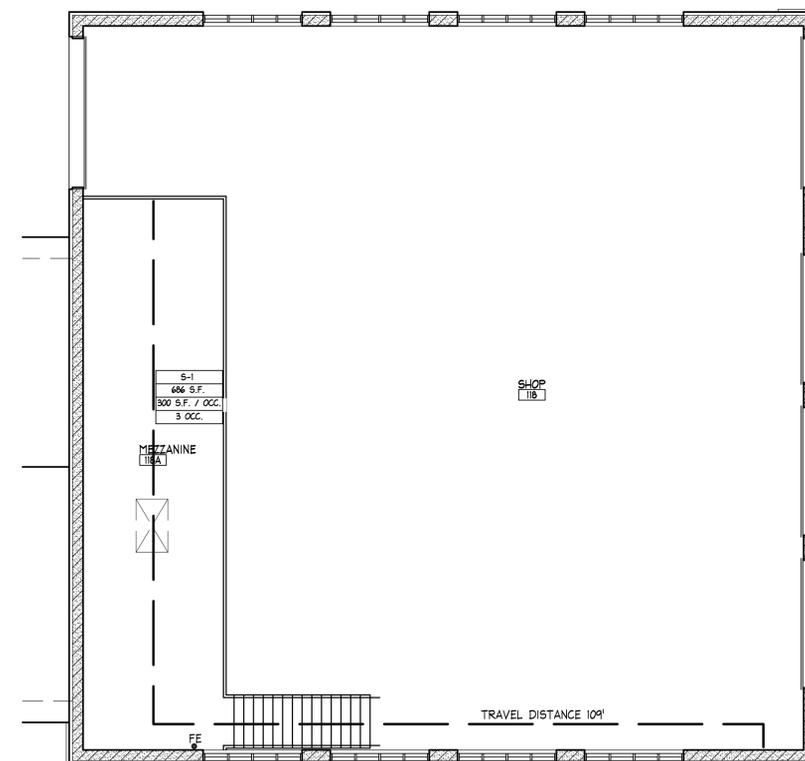
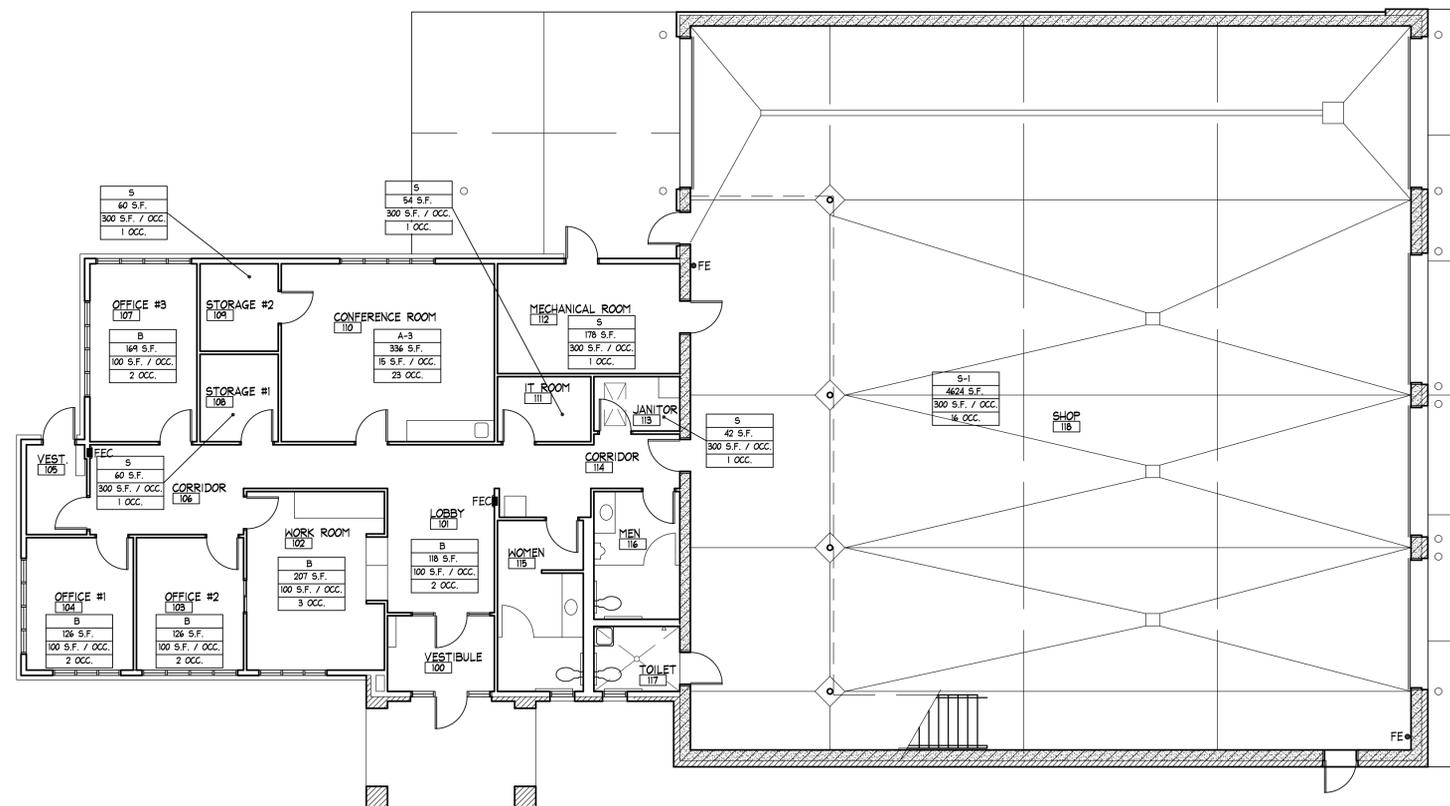
TABLE 1020.1 (B & S, OCCUPANCY GREATER THAN 30, WITH SPRINKLER)
 CORRIDOR FIRE RATING = 0
 TABLE 1020.1 (B & S, OCCUPANCY GREATER THAN 30, WITHOUT SPRINKLER)
 CORRIDOR FIRE RATING = 1

CHAPTER 29 - PLUMBING SYSTEMS

SECTION 2902.1 - MINIMUM NUMBER OF PLUMBING FIXTURES

MINIMUM REQUIRED PLUMBING FIXTURES - GROUP B

WOMENS (1/75)	-	WATER CLOSETS	1
MENS (1/75)	-	WATER CLOSETS	1
WOMENS (1/200)	-	LAVATORIES	1
MENS (1/200)	-	LAVATORIES	1
DRINKING FOUNTAINS			1



NEW OFFICE BUILDING FIRST FLOOR PLAN - CODE ANALYSIS

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

NEW OFFICE BUILDING MEZZANINE FLOOR PLAN - CODE ANALYSIS

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

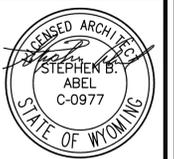
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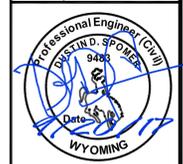
NEW OFFICE BUILDING
 FOR
 CODY NORTHWEST RURAL WATER DISTRICT
 LOTS 6&8 ROCKY MOUNTAIN BUSINESS PARK
 STONE STREET, CODY, WYOMING

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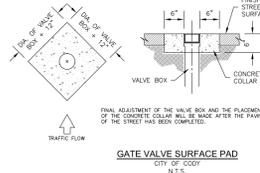
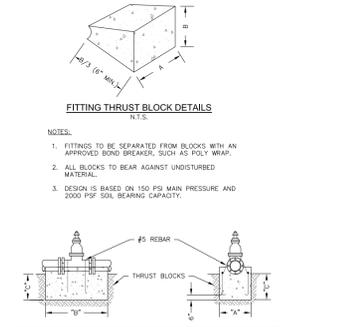
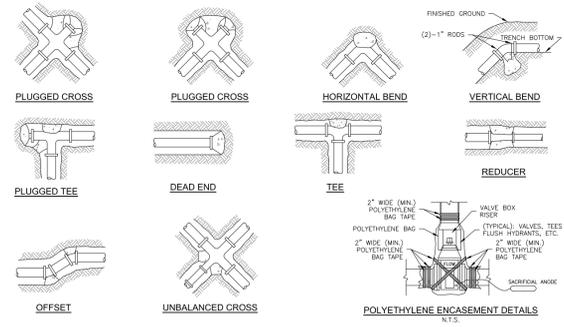
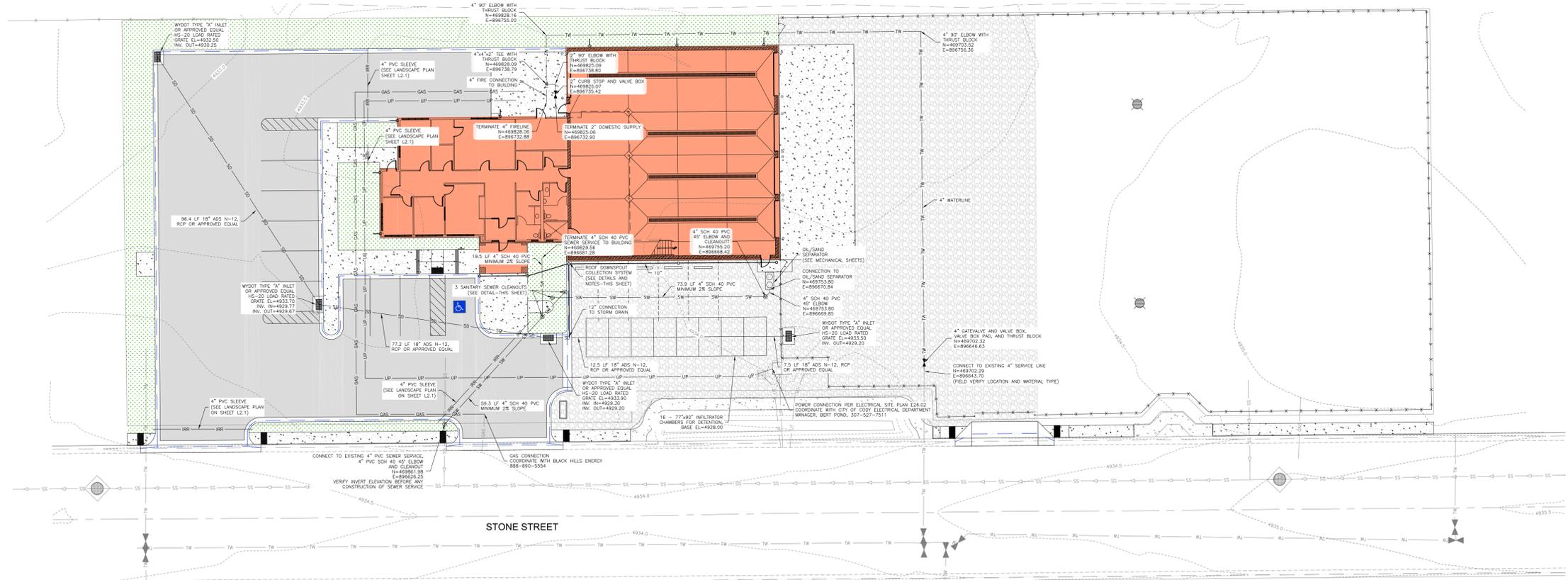
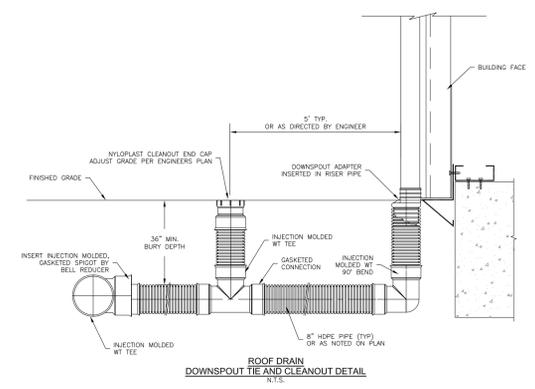
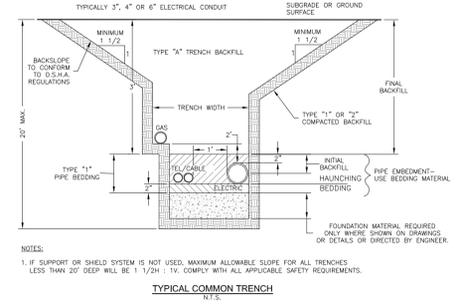
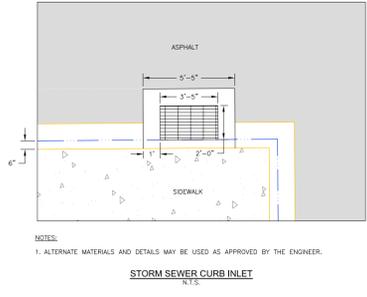
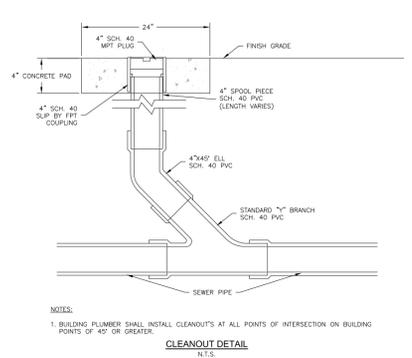
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NEW OFFICE BUILDING
 FOR
 CODY NORTHWEST RURAL WATER DISTRICT
 LOTS 6&8 ROCKY MOUNTAIN BUSINESS PARK
 STONE STREET, CODY, WYOMING

UTILITY LAYOUT PLAN

C3.1

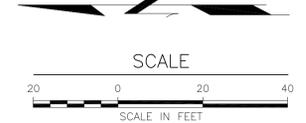


FITTING	TEES & PLUGS		90° BENDS		45° BENDS & WYES		REDUCERS		22 1/2° BENDS		11 1/4° BENDS	
	A	B	A	B	A	B	A	B	A	B	A	B
4"	1'-0"	1'-0"	1'-0"	1'-0"	1'-0"	1'-0"	1'-0"	1'-0"	1'-0"	1'-0"	1'-0"	1'-0"
6"	2'-0"	2'-0"	2'-0"	2'-0"	2'-0"	2'-0"	2'-0"	2'-0"	2'-0"	2'-0"	2'-0"	2'-0"
8"	2'-6"	2'-6"	2'-6"	2'-6"	2'-6"	2'-6"	2'-6"	2'-6"	2'-6"	2'-6"	2'-6"	2'-6"
10"	3'-0"	3'-0"	3'-0"	3'-0"	3'-0"	3'-0"	3'-0"	3'-0"	3'-0"	3'-0"	3'-0"	3'-0"
12"	3'-6"	3'-6"	3'-6"	3'-6"	3'-6"	3'-6"	3'-6"	3'-6"	3'-6"	3'-6"	3'-6"	3'-6"
14"	4'-0"	4'-0"	4'-0"	4'-0"	4'-0"	4'-0"	4'-0"	4'-0"	4'-0"	4'-0"	4'-0"	4'-0"
16"	4'-6"	4'-6"	4'-6"	4'-6"	4'-6"	4'-6"	4'-6"	4'-6"	4'-6"	4'-6"	4'-6"	4'-6"
18"	5'-0"	5'-0"	5'-0"	5'-0"	5'-0"	5'-0"	5'-0"	5'-0"	5'-0"	5'-0"	5'-0"	5'-0"
20"	5'-6"	5'-6"	5'-6"	5'-6"	5'-6"	5'-6"	5'-6"	5'-6"	5'-6"	5'-6"	5'-6"	5'-6"
24"	6'-0"	6'-0"	6'-0"	6'-0"	6'-0"	6'-0"	6'-0"	6'-0"	6'-0"	6'-0"	6'-0"	6'-0"
30"	7'-0"	7'-0"	7'-0"	7'-0"	7'-0"	7'-0"	7'-0"	7'-0"	7'-0"	7'-0"	7'-0"	7'-0"

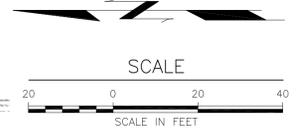
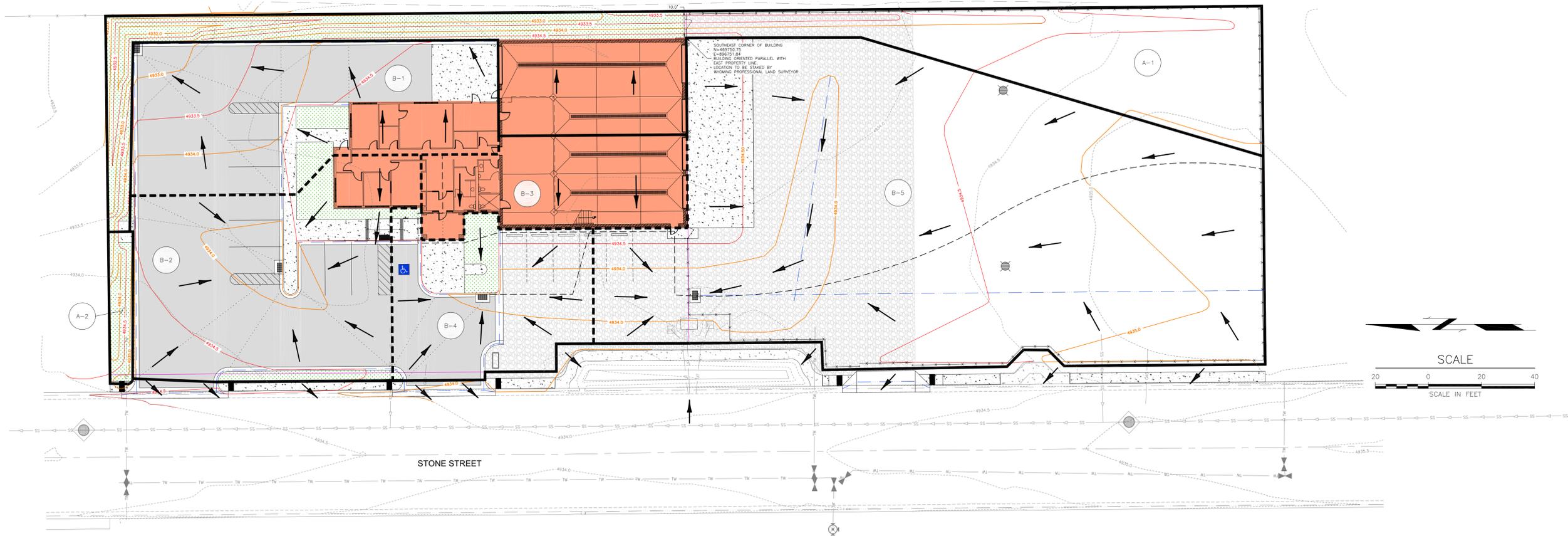
ANCHOR ROD SIZE	3/4"	3/4"	3/4"	1"	1 1/8"	1 1/4"	1 3/8"
VALVE SIZE	2" & 4"	6" & 8"	10"	12"	14"	16"	18"
BL	2'-0"	2'-6"	3'-0"	3'-6"	4'-0"	4'-6"	5'-0"
SD	2'-0"	2'-6"	3'-0"	3'-6"	4'-0"	4'-6"	5'-0"

- NOTES:
- PRESSURES SHOWN ABOVE ARE MAXIMUM WORKING PRESSURE IN THE SYSTEM.
 - TO BE INSTALLED AT THE LOCATIONS SHOWN ON PLANS, OR AS CALLED FOR BY THE ENGINEER.
 - COAT EXPOSED PORTIONS OF ANCHOR RODS WITH "COPPER" BITUMASTIC NO. 50 COATING OR APPROVED EQUAL.
 - VALVES TO BE SEPARATED FROM BLOCKS WITH POLYETHYLENE WRAP.
 - THRUST BLOCKS ARE TO BE POURED IN PLACE.

- UTILITY PLAN NOTES:
- ALL UTILITY WORK SHALL CONFORM TO CITY OF CODY STANDARD DETAILS AND CONSTRUCTION SPECIFICATIONS. DEVIATIONS FROM STANDARD DETAILS AND SPECIFICATIONS SHALL ONLY BE ALLOWED BY WRITTEN APPROVAL OF ENGINEER.
 - 4" PVC SANITARY SEWER SHALL BE Laid AT A MINIMUM OF 2% POSITIVE SLOPE. FIELD VERIFY STUBOUT ELEVATION PRIOR TO ANY CONSTRUCTION.
 - USE STORMTECH MC-3000 CHAMBERS OR APPROVED EQUAL. CAPABLE OF STORING 2770 LITERS INCLUDING OF ALL VOLUME ALLOWABLE PER MANUFACTURER'S INSTALLATION REQUIREMENTS.
 - BOTTOM ELEV = 4928.00. INCLUDE NECESSARY END CAPS AND TRANSITIONS FOR COMPLETE INSTALLATION. ALTERNATE PLANS MAY BE ALLOWED ONLY WITH THE APPROVAL OF THE ENGINEER.



AREA TABLE			
AREA ID	AREA, SF	AREA, AC	%
A-1	11,131.74	0.26	0.46
A-2	505.40	0.01	
B-1	6,915.51	0.16	0.85
B-2	7,445.27	0.17	0.87
B-3	3,280.20	0.08	0.90
B-4	4,124.65	0.09	0.66
B-5	24,383.92	0.56	0.53



DRAINAGE EXHIBIT

LEGEND

BASIN BOUNDARY	— — — — —
SUBBASIN BOUNDARY	— · — · — · —
BASIN/SUBBASIN DESIGNATION	(X-#)
PATH OF TIME OF CONCENTRATION	— — — — —
FLOW DIRECTION	→

LEGEND

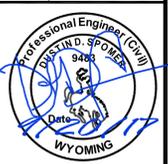
EXISTING CONTOUR	— — — — —
EXISTING EDGE OF PAVEMENT	— · — · — · —
EXISTING FLOW LINE	— — — — —
EXISTING PROPERTY LINE	— · — · — · —
EXISTING RIGHT OF WAY	— · — · — · —
EXISTING SEWER SERVICE	SS — SS
EXISTING TREATED WATER	TW — TW
EXISTING UNDERGROUND TELEPHONE	UT — UT
EXISTING UNDERGROUND POWER	UP — UP
EXISTING UNDERGROUND GAS	GAS — GAS
EXISTING FIRE HYDRANT	⊗
EXISTING MANHOLE	⊙
EXISTING VALVE	⊕
PROPOSED CONTOUR	— — — — —
PROPOSED FLOW LINE	— — — — —
PROPOSED IRRIGATION LINE	IRK — IRK
PROPOSED STORM DRAIN	SD — SD
PROPOSED SANITARY SEWER	SS — SS
PROPOSED TREATED WATER	TW — TW
PROPOSED UNDERGROUND POWER	UP — UP
PROPOSED UNDERGROUND GAS	GAS — GAS
PROPOSED WIRE FENCE	× × × × ×
PROPOSED STORM DRAIN INLET (CATCH BASIN)	⊕
PROPOSED LIGHT POLE	⊕

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JOB No. 1616
DATE 07/17/17

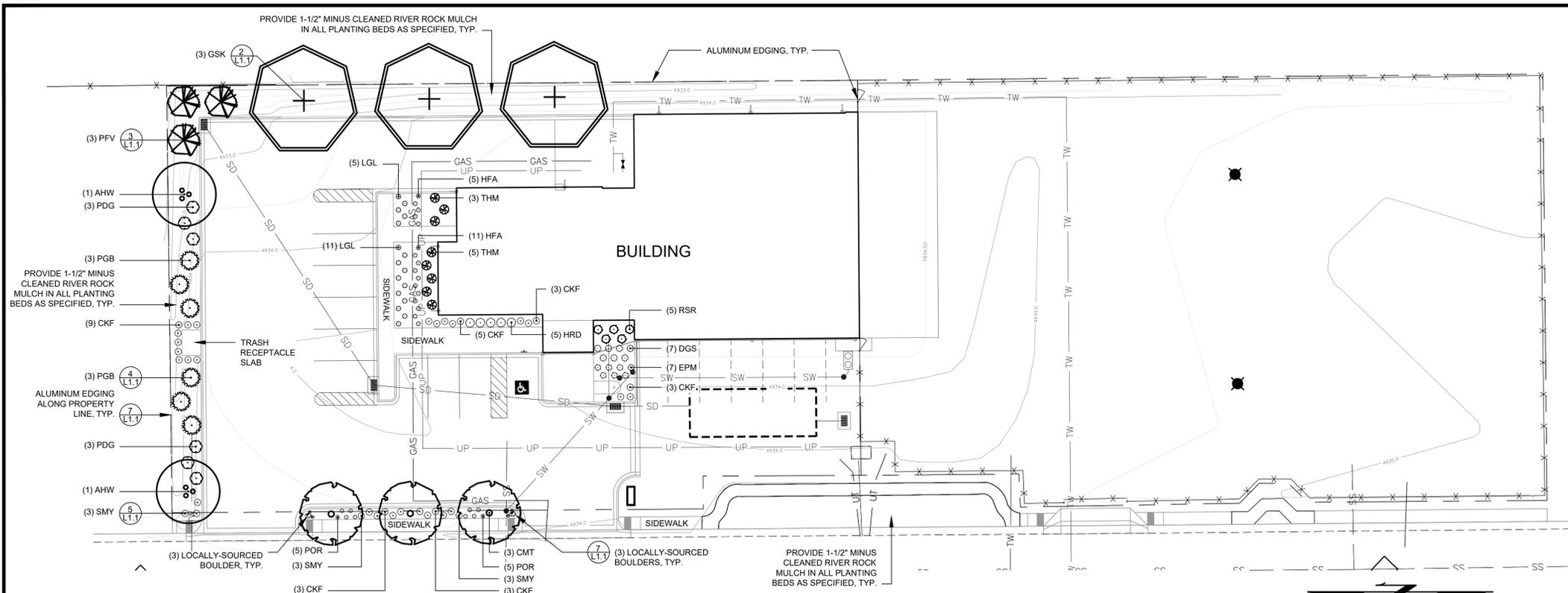
REVISIONS



NEW OFFICE BUILDING
FOR
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LOTS 6&8 ROCKY MOUNTAIN BUSINESS PARK
STONE STREET, CODY, WYOMING

DRAINAGE PLAN
C4.1

W:\Projects\17116 - NEW OFFICE BUILDING\DWG\C4.1 DRAINAGE PLAN.dwg 20170717 10:41 AM

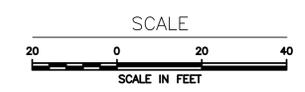


PLANTING NOTES

1. VERIFY WITH THE OWNER AND UTILITY COMPANIES THE LOCATIONS OF ALL EXISTING UTILITIES PRIOR TO COMMENCING WORK. CONTRACTOR TO REPAIR ALL DAMAGES TO EXISTING UTILITIES, CURBS, PAVEMENTS AND STRUCTURES WHICH OCCUR AS A RESULT OF THE CONTRACTOR'S OPERATIONS.
2. FINE GRADE AND SLOPE ALL LANDSCAPE AREAS 2% MINIMUM. POSITIVELY NO PUDDLING. SETTLEMENT, EROSION, SEDIMENTATION OR OFF PROPERTY DRAINAGE NUISANCE SHALL BE PERMITTED.
3. MATCH GRADES OF LAWNS TO CURBS AND WALKS @ 20:1 MAX SLOPE AND A 2% MINIMUM SLOPE. POSITIVELY SLOPE GRADES TO DRAIN AWAY FROM ALL BUILDINGS AT A 2% MINIMUM. TAPER TO EXISTING GRADES.
4. APPLY 3-INCH AVERAGE THICKNESS OF 1-1/2 MINUS ROUNDED & CLEANED RIVER ROCK MULCH OVER WHOLE SURFACE OF PLANTING AREAS AND FINISH LEVEL WITH ADJACENT FINISH GRADES.
5. CONTRACTOR IS RESPONSIBLE FOR TOPSOIL FILL AND LANDSCAPE GRADING. SEE CIVIL SHEETS FOR ADDITIONAL SITE GRADING.
6. ONE CONTRACTOR SHALL BE RESPONSIBLE FOR THE COORDINATION OF THE PLANTING AND IRRIGATION INSTALLATION.
7. PLANT MATERIALS SHALL BE FURNISHED IN THE QUANTITIES AND/OR SPACING AS SHOWN OR NOTED. IN CASE OF A DISCREPANCY BETWEEN THE PLAN AND THE PLANT SCHEDULE, THE PLAN SHALL DICTATE.
8. PLANT SYMBOLS ARE REPRESENTATIVE OF THE WIDTH OF THE PLANT AT MATURITY. USE THE CENTER POINT OF THE SYMBOL TO GAUGE THE PLANTING LOCATION.
9. LAYOUT THE PLANT LOCATIONS IN THEIR POTS AND OBTAIN APPROVAL BY THE OWNER'S REPRESENTATIVE PRIOR TO INSTALLATION.
10. ALL PLANTS ARE TO MEET OR EXCEED AMERICAN STANDARDS FOR NURSERY STOCK, CURRENT EDITION, BY THE AMERICAN NURSERY & LANDSCAPE ASSOCIATION. PROVIDE NURSERY GROWN PLANT STOCK UNLESS OTHERWISE NOTED.
11. ANY PLANT NOT MEETING THE REQUIREMENTS WILL BE CAUSE FOR REJECTION. ALL REJECTED PLANTS SHALL BE IMMEDIATELY REMOVED, DISPOSED AND REPLACED BY THE CONTRACTOR.
12. NO SUBSTITUTIONS WILL BE ALLOWED WITHOUT WRITTEN CONSENT FROM THE LANDSCAPE ARCHITECT.

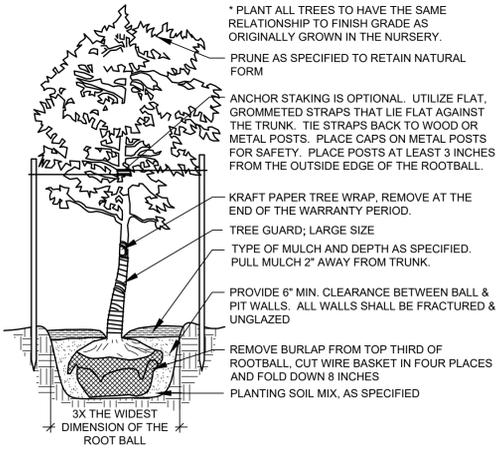
1 PLANTING PLAN

SCALE: 1" = 20'

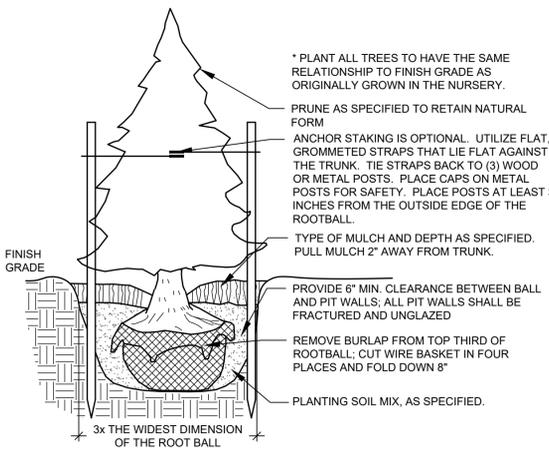


PLANT SCHEDULE

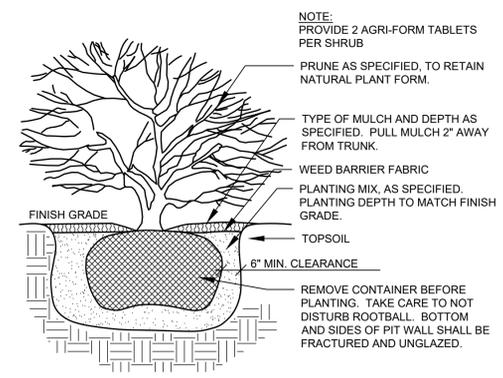
SYMBOL	QUANTITY	BOTANICAL NAME	COMMON NAME	SIZE	ROOT	MATURITY	
						HEIGHT	WIDTH
DECIDUOUS TREES							
2	AHW	ACER TATARICUM 'GARANN'	HOT WINGS TATARICUM MAPLE	2" CAL.	B&B	15-20'	15-20'
3	CMT	CRATAEGUS X MORDENENSIS 'TOBA'	TOBA HAWTHORNE	2" CAL.	B&B	15-20'	15-20'
3	GSK	GLEDISIA TRICANTHOS 'SKYCOLE'	SKYLINE HONEYLOCUST	1-1/2" CAL.	B&B	35-45'	30-35'
CONIFEROUS TREES							
3	PFV	PINUS FLEXILIS 'VANDERWOLF'S PYRAMID'	VANDERWOLF PINE	5-6' HEIGHT	B&B	20-30'	10-12'
DECIDUOUS SHRUBS							
6	PDG	PHYSOCARPUS OPULIFOLIUS 'DART'S GOLD'	DART'S GOLD NINEBARK	#5	CONTAINER	3-4'	3-4'
5	RSR	ROSA 'MORDEN SUNRISE'	MORDEN SUNRISE SHRUB ROSE	#5	CONTAINER	2-3'	2-3'
CONIFEROUS SHRUBS							
6	PGB	PICEA PUNGENS 'GLOBOSA'	DWARF GLOBE BLUE SPRUCE	#5	CONTAINER	3-5'	5-6'
8	THM	THUJA OCCIDENTALIS 'HETZ MIDGET'	HETZ MIDGET ARBORVITAE	#5	CONTAINER	2'	2-3'
PERENNIALS							
26	CKF	CALAMAGROTIS X ACUTIFLORA 'KARL FOERSTER'	KARL FORESTER FEATHER REED GRASS	#1	CONTAINER	5-6'	18-24"
7	DGS	DECHAMPSIA CESPITOSA 'GOLDSTAUB'	GOLD DUST TUFTED HAIR GRASS	#1	CONTAINER	2-3'	18-24"
7	EPM	ECHINACEA PURPUREA 'MAGNUS'	PURPLE CONEFLOWER	#1	CONTAINER	24-36"	24"
16	HFA	HEUCHERA 'FIRE ALARM'	FIRE ALARM CORAL BELLS	#1	CONTAINER	8-10"	12-16"
5	HRD	HEMEROCALLIS 'BAJA'	BAJA RED DAYLILY	#1	CONTAINER	24-36"	24-36"
16	LGL	LAMIUM MACULATUM 'GHOST'	GHOST LAMIUM	#1	CONTAINER	6-12"	12-18"
10	POR	PAPAVER ORIENTALIS 'BRILLIANT'	BRILLIANT RED ORIENTAL POPPY	#1	CONTAINER	24-36"	18-24"
9	SMY	SALVIA NEMEROSA 'MAY NIGHT'	MAY NIGHT MEADOW SAGE	#1	CONTAINER	18-24"	18-24"
NON-VEGETATIVE FEATURES							
6	N/A	2-3" DIA. LOCALLY-SOURCED BOULDERS					



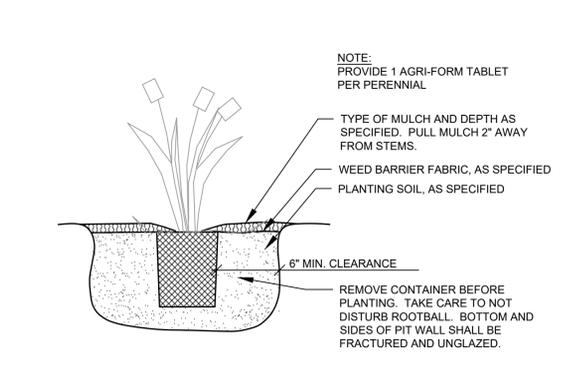
2 DECIDUOUS TREE NOT TO SCALE



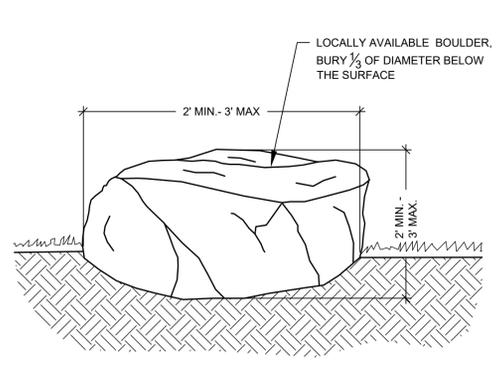
3 CONIFEROUS TREE NOT TO SCALE



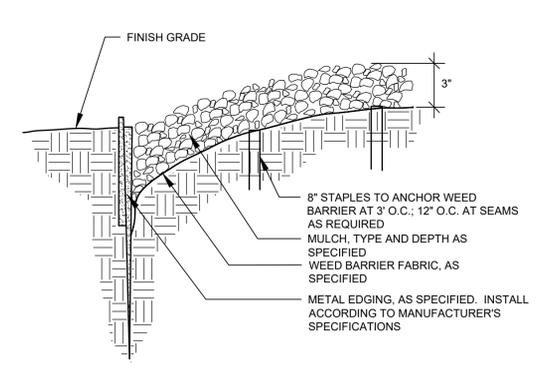
4 SHRUB NOT TO SCALE



5 ORNAMENTAL GRASS PLANTING NOT TO SCALE



6 BOULDER PLACEMENT NOT TO SCALE



7 METAL EDGE & MULCH NOT TO SCALE

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DESIGN: GNL
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CHECKED: JJR

JOB No. 17047
DATE: 09/18/2017

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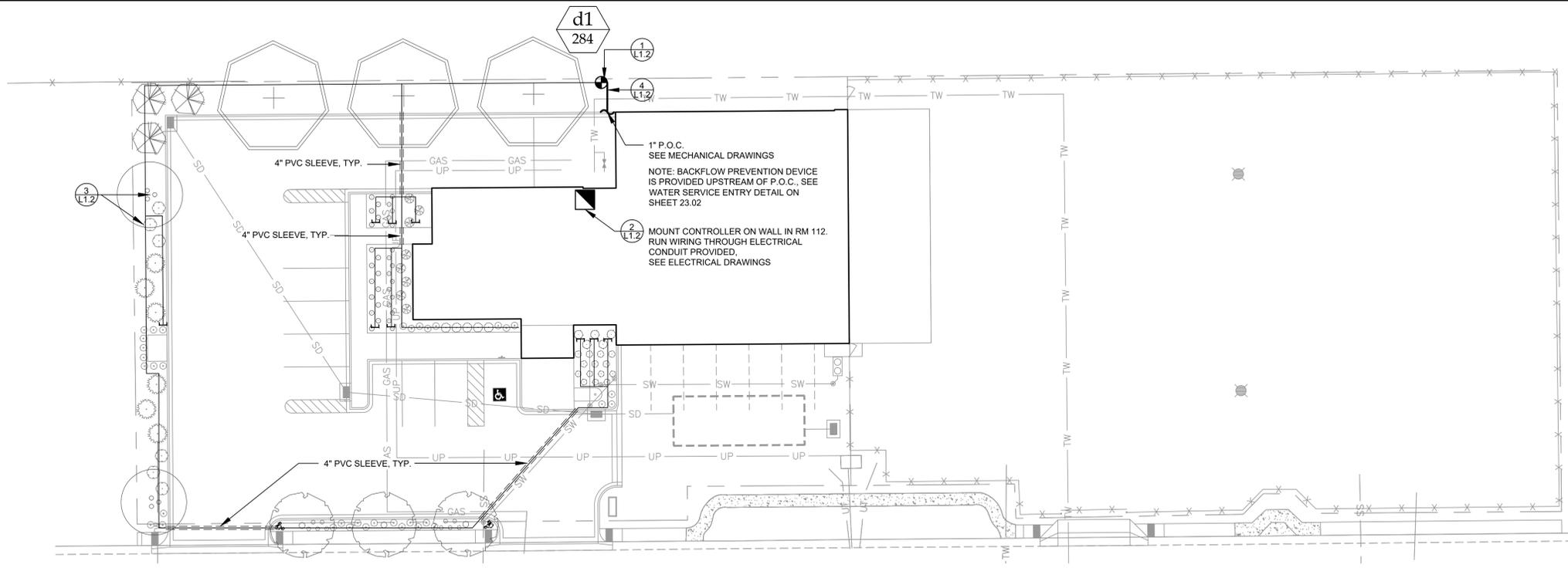
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STATE OF WYOMING

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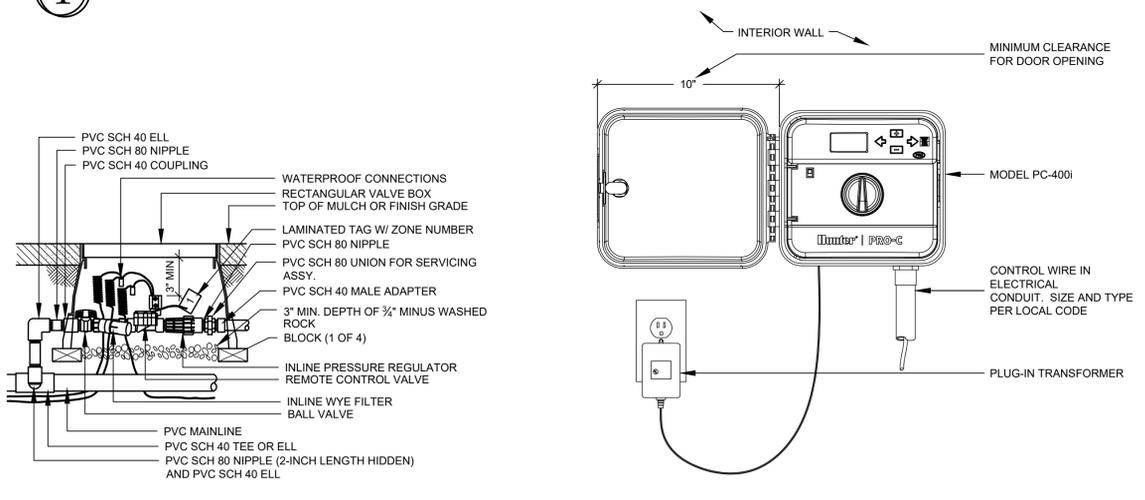
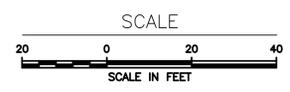


IRRIGATION NOTES

- REVIEW ALL EXISTING AND PROPOSED SITE CONDITIONS, INCLUDING PLANTING, GRADING, BUILDING CONSTRUCTION, WATER DEVELOPMENT, AND SUPPLY. PRIOR TO COMMENCEMENT OF WORK, NOTE ANY SLEEVES AND IRRIGATION STUBS FOR FUTURE WORK.
- LOCATE AND PROTECT ALL UNDERGROUND UTILITIES, CONDUITS AND STRUCTURES AND CONTRACTOR SHALL ASSUME RESPONSIBILITY FOR ANY DAMAGE INCURRED.
- THE IRRIGATION CONTRACT INCLUDES SUPPLYING AND INSTALLING ALL MATERIALS AND EQUIPMENT FOR A COMPLETE, AUTOMATIC IRRIGATION SYSTEM. ANY ITEMS REQUIRED TO CONFORM WITH SUCH INTENT ARE CONSIDERED TO BE INCIDENTAL TO THE WORK.
- THE IRRIGATION PLAN IS SCHEMATIC. FIELD MEASURE ALL DIMENSIONS, EXISTING, AND PROPOSED CONDITIONS, AS REQUIRED TO PROVIDE COMPLETE AND OPERABLE SYSTEMS.
- DO NOT WILLFULLY INSTALL THE SYSTEM WHEN OBVIOUS OBSTRUCTIONS, GRADE CHANGES AND SITE GEOMETRY EXIST. DOCUMENT AND REPORT DEVIATIONS TO THE SITE TO THE OWNER'S REPRESENTATIVE. IN THE EVENT NOTIFICATION IS NOT MADE, THE CONTRACTOR SHALL ASSUME ALL RESPONSIBILITY FOR ANY NECESSARY REVISIONS.
- REFER TO LANDSCAPE AND UTILITY PLANS WHEN TRENCHING
- NO SUBSTITUTIONS WILL BE ALLOWED WITHOUT WRITTEN CONSENT FROM THE LANDSCAPE ARCHITECT.
- CONFORM ALL IRRIGATION INSTALLATION TO LOCAL CODES.
- SEE THE SPECIFICATIONS AND DETAILS FOR FURTHER REQUIREMENTS.
- SYSTEM WAS DESIGNED ON THE AVAILABILITY OF 75 PSI AND 15 GPM AT THE POINT OF CONNECTION. CONTRACTOR SHALL VERIFY AVAILABILITY AND COMPATIBILITY WITH THE WATER SOURCE.
- IDENTIFY THE FINAL LOCATION, MOUNTING AND 120 V. POWER SUPPLY TO THE CONTROLLER AND CONNECTION TO WATER SOURCE TO MEET FIELD CONDITIONS. OBTAIN APPROVAL FROM THE OWNER'S REPRESENTATIVE AND OTHER TRADES.
- PROVIDE DRIP IRRIGATION TO ALL TREES SHOWN ON THE PLANS. SEE IRRIGATION SCHEDULE FOR EMITTER COUNTS.
- PROVIDE FINAL BALANCING AND ADJUSTING OF DRIP LINES, INCLUDING CONTROL CLOCK PROGRAMMING. PRIOR TO SUBSTANTIAL COMPLETION, PROVIDE TRAINING TO THE OWNER'S MAINTENANCE PERSONNEL AND DELIVER OPERATIONS AND MAINTENANCE MANUALS.

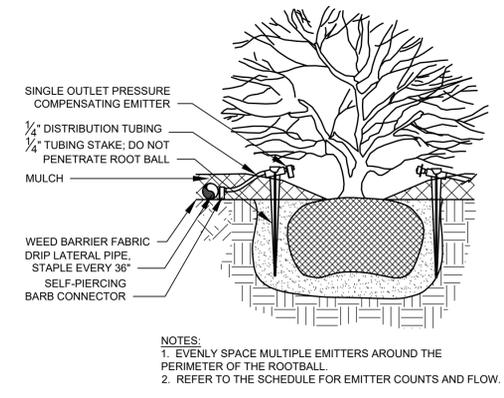
1 IRRIGATION PLAN

SCALE: 1" = 20'

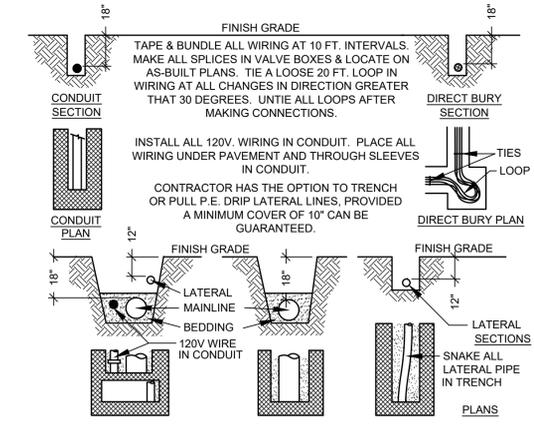


2 DRIP ZONE CONTROL
NOT TO SCALE

3 CONTROLLER
NOT TO SCALE



4 DRIP EMITTER PLACEMENT
NOT TO SCALE



5 TRENCH & BEDDING
NOT TO SCALE

IRRIGATION LEGEND

SYMBOL	DESCRIPTION	SIZE	MANUF.	MODEL #
⊕	DRIP ZONE CONTROL VALVE	1"	HUNTER	ICZ-101-40
□	CONTROLLER	4-STATION	HUNTER	PC-400i
—	MAINLINE	1"		CLASS 200 PVC
- - -	SLEEVE LINES	4"		SCHEDULE 40 PVC
—	DRIP LATERAL LINE	1"		100 PSI 4710 PE
NO SYMBOL	DRIP EMITTERS	0.5 GPH, 1.0 GPH, 4.0 GPH, 6.0 GPH	HUNTER	HE-050-B, HE-10-B, HE-40-B, HE-60-B
— — —	LINE SIZE PIPE CAP & DRAIN	17MM X 1/2" MPT	HUNTER	PLD-CAP

EMITTER SCHEDULE

PLANT TYPE	NO. OF EMITTERS	EMITTER SIZE (FLOW)
SHADE TREE	5	6.0 GPH
EVERGREEN/ORNAMENTAL TREE	3	4.0 GPH
SHRUB	2	1.0 GPH
GRASSES & PERENNIALS	1	0.5 GPH

d5 30 DRIP ZONE STATION NUMBER
GALLONS PER HOUR (GPH)

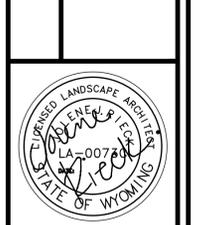
8 1R2 DETAIL NUMBER
SHEET NUMBER

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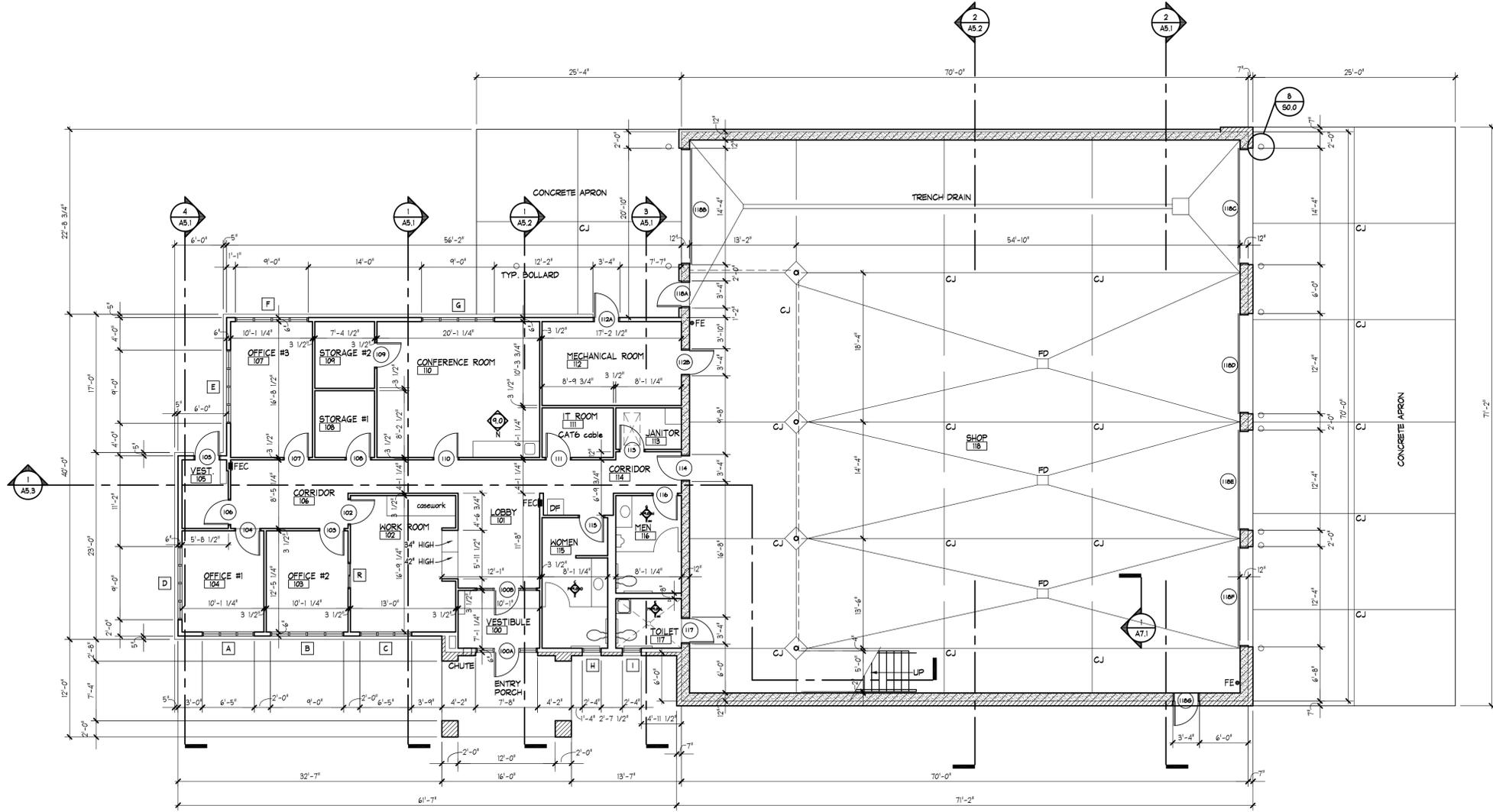


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FLOOR PLAN
 SCALE: 1/8"=1'-0"

- GENERAL NOTES:**
1. EXTERIOR DIMENSIONS ARE TO FACE OF EXTERIOR SHEATHING OR MASONRY UNLESS NOTED OTHERWISE.
 2. INTERIOR DIMENSIONS ARE TO FACE OF FRAMING UNLESS NOTED OTHERWISE.

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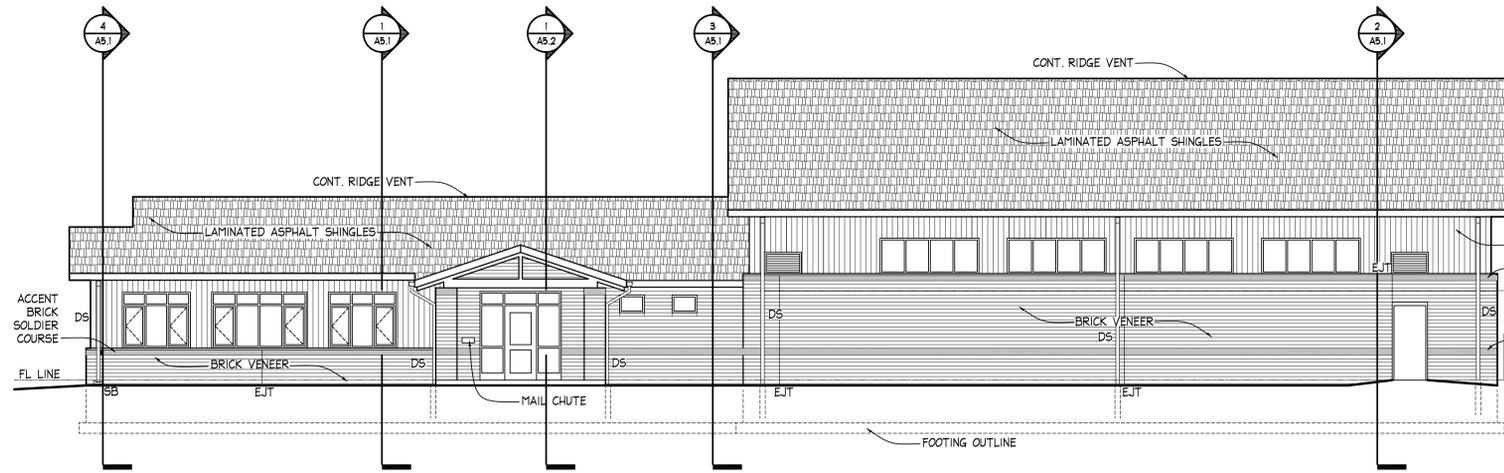
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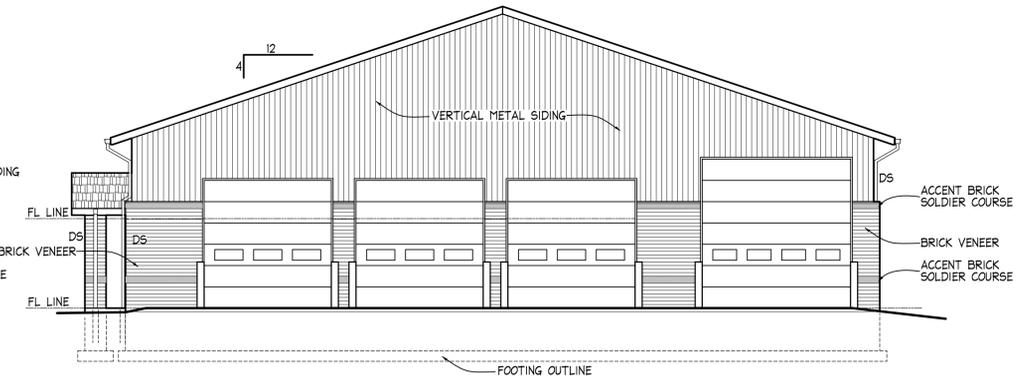


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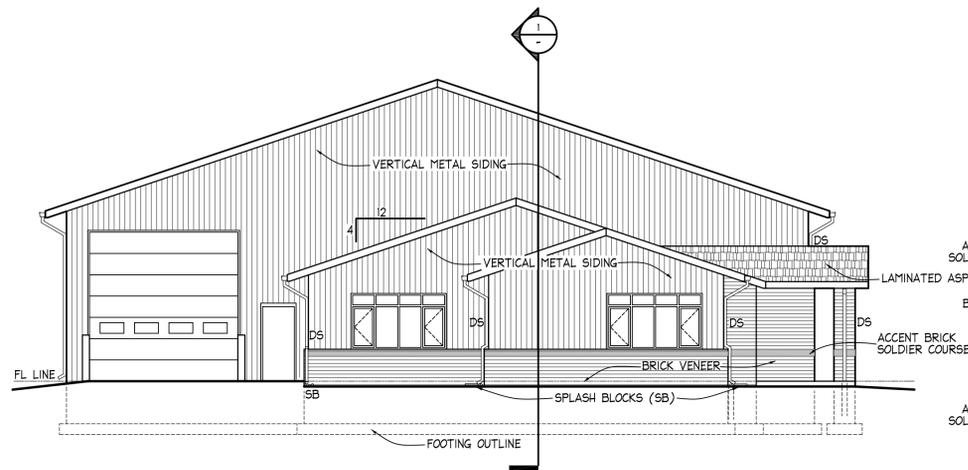
SHT/SET
A3.1



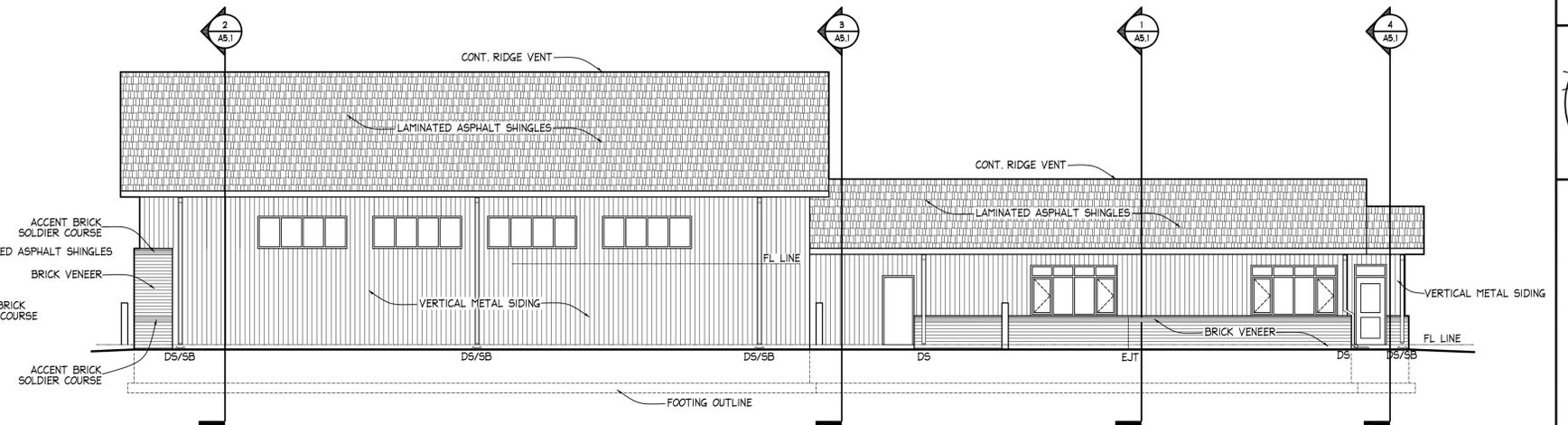
WEST ELEVATION
SCALE: 1/8"=1'-0"



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



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



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

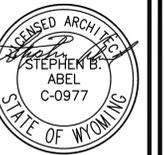
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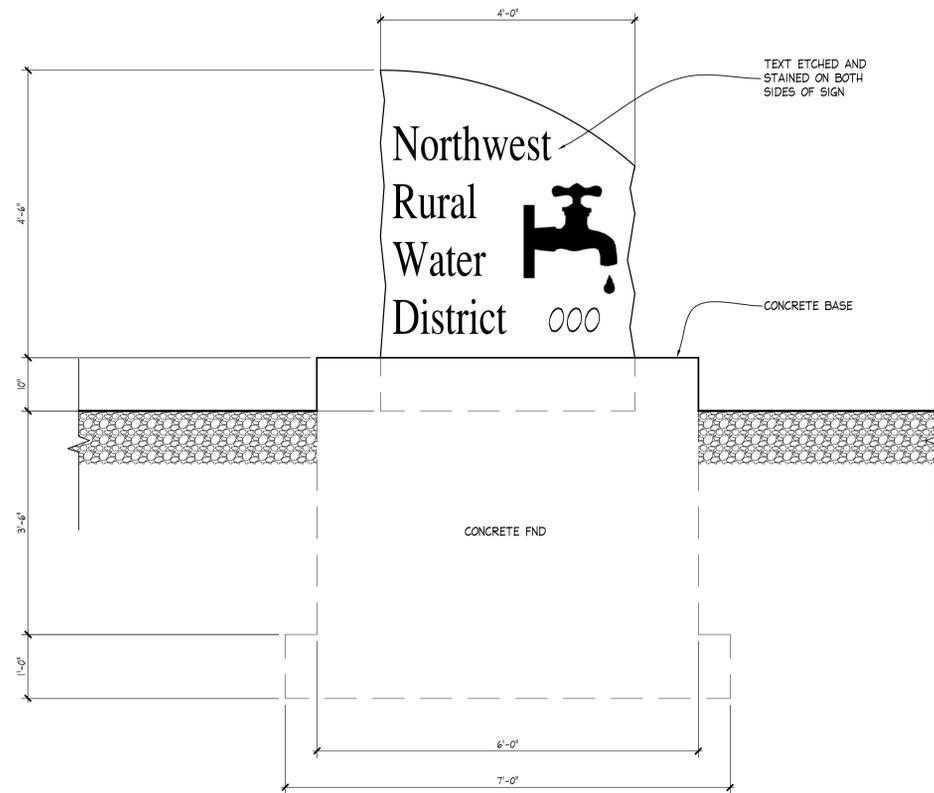
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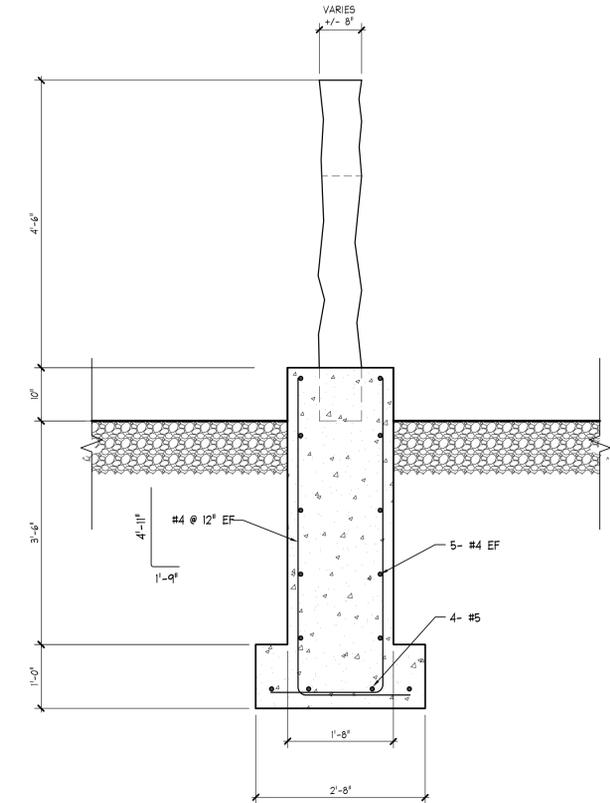
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SHT/SET

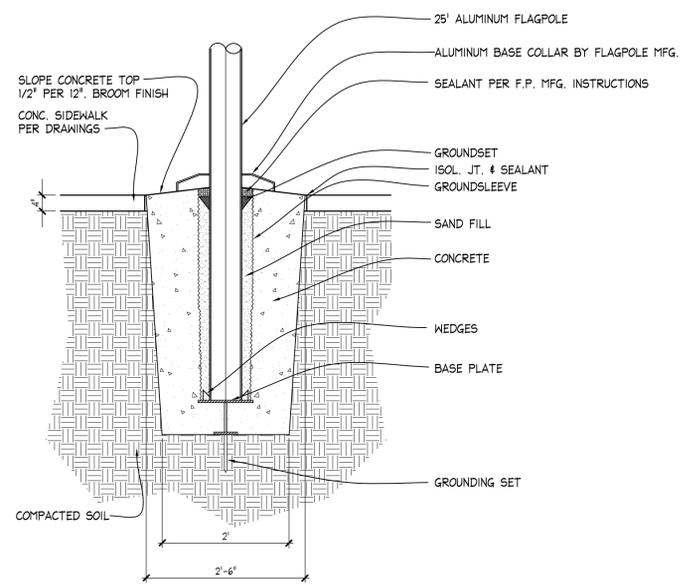
A4.1



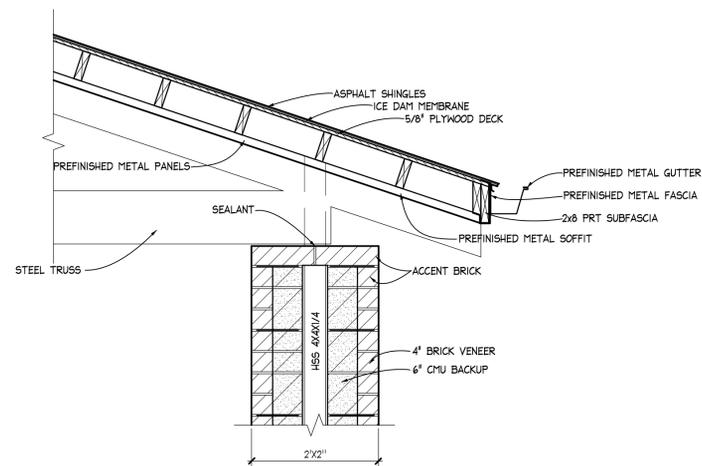
② SIGN DETAIL
SCALE: 3/4" = 1'-0"



③ SIGN SECTION
SCALE: 3/4" = 1'-0"



④ FLAGPOLE FOUNDATION
NO SCALE



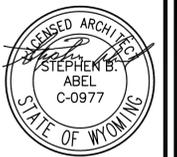
⑤ CANOPY DETAIL
SCALE: 3/4" = 1'-0"

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SHT/SET

A7.1

PANEL SCHEDULE LP SECTION ONE

CIRCUIT	LOAD TYPE	LOAD	WIRES			LUGS ONLY			CIRCUIT
			CB SIZE	PHASE	CKT #	CB SIZE	PHASE	CKT #	
LIGHTING 101-106, 114-117	L	683	20/1	1	A	2	20/1	1200	R RECEPTACLES 107-110
LIGHTING 107-113	L	561	20/1	3	B	4	20/1	900	R RECEPTACLES 105-106
LIGHTING SHOP	L	840	20/1	5	C	6	20/1	1080	R RECEPTACLES 103-104
LIGHTING SHOP	L	840	20/1	7	A	8	20/1	900	R RECEPTACLES 114-117
LIGHTING SHOP	L	1120	20/1	9	B	10	20/1	900	R RECEPTACLES 100-102
LIGHTING BUILDING EXTERIOR	L	585	20/1	11	C	12	20/1	1080	R RECEPTACLES 102-103
ELECTRIC HEATER EH-109	H	375	20/1	13	A	14	20/1	1200	R RECEPTACLES 110
RECEPTACLES 111*	R	360	20/1	15	B	16	50/2	3120	E SPECIAL OUTLET 50A
RECEPTACLES 111*	R	360	20/1	17	C	18	50/2	3120	E SPECIAL OUTLET 50A
SCADA PANEL*	R	1200	20/1	19	A	20	20/1	1130	M OVERHEAD DOOR
SCADA COMPUTER*	R	500	20/1	21	B	22	2340	E	
RECEPTACLES 112-113	R	720	20/1	23	C	24	30/2	2340	E SPECIAL OUTLET 30A
RECEPTACLES SHOP	R	720	20/1	25	A	26	20/1	1440	E AIR DRYER
RECEPTACLES SHOP	R	900	20/1	27	B	28	20/1	720	E ELECTRIC WATER COOLER EWC-1
IRRIGATION CONTROL PANEL*	E	960	20/1	29	C	30	20/1	500	E FIRE ALARM CONTROL PANEL*
GAS MONITOR	E	600	20/1	31	A	32	20/1	540	R RECEPTACLES EXTERIOR
SPARE			20/1	33	B	34	20/1	1130	M OVERHEAD DOOR
OVERHEAD DOOR	M	1130	20/1	35	C	36		2920	M
OVERHEAD DOOR	M	1130	20/1	37	A	38	60/3	2920	M AIR COMPRESSOR
OVERHEAD DOOR	M	1130	20/1	39	B	40		2920	M
ELECTRIC HEATER EH-107	H	625	20/1	41	C	42	20/1	625	H ELECTRIC HEATER EH-104

PHASE	DEMAND FACTOR	PHASE	DEMAND FACTOR
A	1.25	A	1.25
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PHASE	DEMAND FACTOR	PHASE	DEMAND FACTOR
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PHASE	DEMAND FACTOR	PHASE	DEMAND FACTOR
A	1.25	A	1.25
B	1.25	B	1.25
C	1.25	C	1.25

PANEL SCHEDULE LP SECTION TWO

CIRCUIT	LOAD TYPE	LOAD	WIRES			LUGS ONLY			CIRCUIT
			CB SIZE	PHASE	CKT #	CB SIZE	PHASE	CKT #	
MONUMENT SIGN	L	750	30/2	43	A	44		M	CONDENSING UNIT CU-1
	L	750		45	B	46	30/2	M	
	H	667		47	C	48	20/1	870	M FURNACE F-1
ELECTRIC HEAT EH-105	H	667	20/3	49	A	50	20/1	300	E WATER HEATER DWH-1
	H	667		51	B	52	20/1	1368	H UNIT HEATER UH-118a
	H	1000		53	C	54	20/1	1130	M EXHAUST FAN EF-118
ELECTRIC HEAT EH-100	H	1000	20/3	55	A	56	20/1	1368	H UNIT HEATER UH-118b
	H	1000		57	B	58	20/1	1500	H ELECTRIC HEATER EH-112
	H	375	20/1	59	C	60	20/1	540	R RECEPTACLES MEZZANINE
ELECTRIC HEAT EH-115	H	375	20/1	61	A	62		2000	M
ELECTRIC HEAT EH-117	H	375	20/1	63	B	64	30/3	2000	M 20' ELECTRIC POWERED GATE
	M	1500	15/2	65	C	66		2000	M
FIRE ENTRY FLOW AND TAMPER SWITCHES	E	500	20/1	67	A	68			
FIRE SUPPRESSION COMPRESSOR	M	960	15/1	69	B	70			
LOUVERS SL-118a, SL-118b	E	120	20/1	71	C	72			
SPARE			20/1	73	A	74			
SPARE			20/1	75	B	76			
SPARE			20/1	77	C	78			
SPARE			20/1	79	A	80		7087	S
SPARE			20/1	81	B	82	100/3	8448	S
SPARE			20/1	83	C	84		7181	S

PHASE	DEMAND FACTOR	PHASE	DEMAND FACTOR
A	1.25	A	1.25
B	1.25	B	1.25
C	1.25	C	1.25

PHASE	DEMAND FACTOR	PHASE	DEMAND FACTOR
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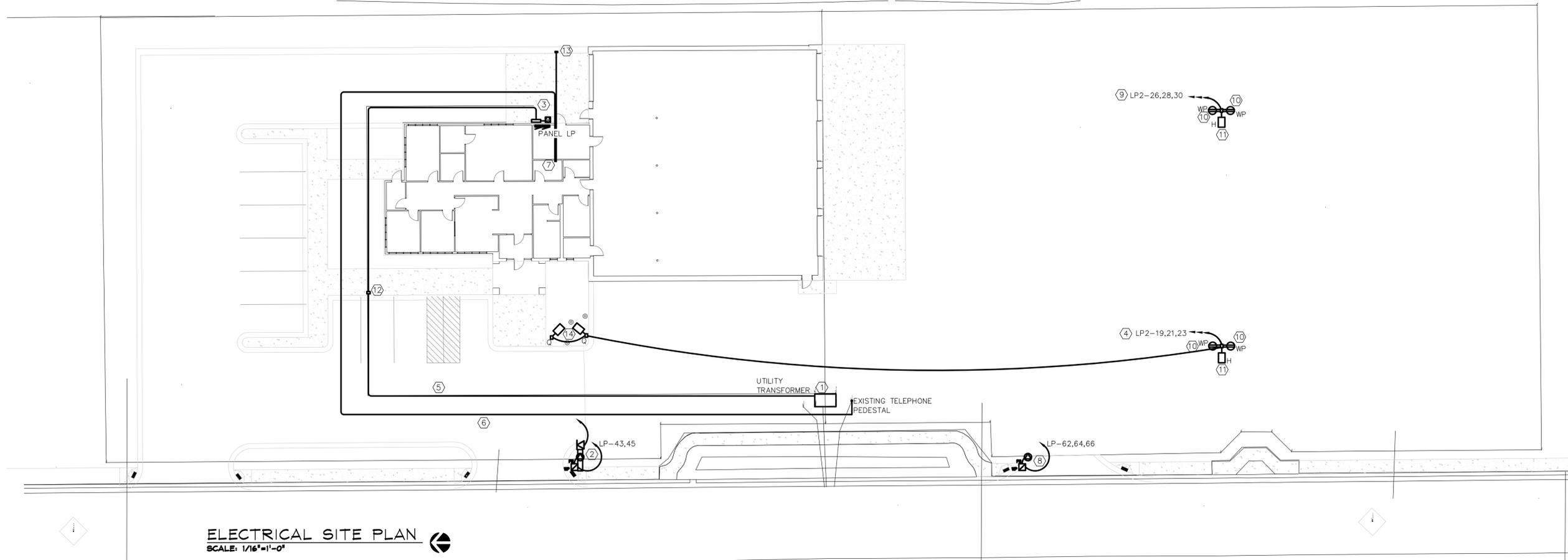
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C	1.25	C	1.25

PHASE	DEMAND FACTOR	PHASE	DEMAND FACTOR
A	1.25		

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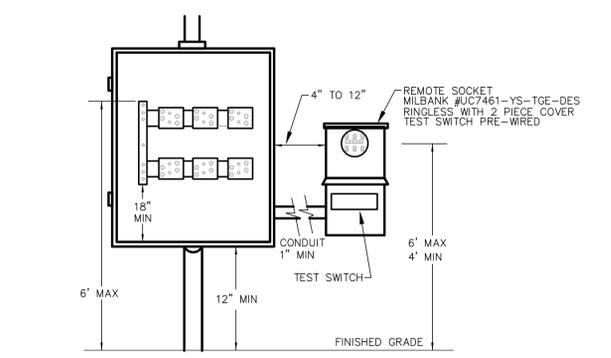
ELECTRICAL SITE PLAN
SCALE: 1/16"=1'-0"

ELECTRICAL LEGEND

- PANEL
- TELEPHONE BOARD
- DISCONNECT SWITCH
- STARTER - MAGNETIC
- LED LIGHT FIXTURE (WALL MOUNT)
- LED LIGHT FIXTURE (SURFACE)
- LED LIGHT FIXTURE (RECESSED)
- EXIT LIGHT
- DUPLEX CONVENIENCE RECEPTACLE - GROUNDED TYPE
- QUAD OUTLET
- WEATHER RESISTANT GFCI RECEPTACLE W/ WEATHERPROOF COVER +24" AFF
- TELEPHONE/DATA OUTLET
- THERMOSTAT
- MOTOR
- SPECIAL EQUIPMENT OUTLET AS NOTED
- TELEVISION OUTLET
- JUNCTION BOX OR J-BOX
- SWITCH
- SWITCH-3 WAY
- SWITCH-4 WAY
- SWITCH-WITH PILOT
- SWITCH-DIMMER
- SWITCH-FUSE STAT
- SWITCH-FAN
- NOTE DESIGNATION
- MECHANICAL EQUIPMENT UNIT IDENTIFICATION
- MOTION SENSOR-WATT STOPPER DT-355
- MOTION SENSOR-WATT STOPPER PW-100
- MOTION SENSOR-WATT STOPPER DW-200
- FIRE ALARM PULL STATION
- FIRE ALARM HORN-STROBE
- FIRE ALARM STROBE
- FIRE ALARM CONTROL PANEL
- FIRE ALARM ANNUCIATOR PANEL
- SMOKE DETECTOR
- HEAT DETECTOR
- FLOW/TAMPER SWITCH
- DUCT SMOKE DETECTOR

ELECTRICAL ABBREVIATIONS LIST

AMP	AMPERE	MCB	MAIN CIRCUIT BREAKER
AC	ALTERNATING CURRENT	MLO	MAIN LUGS ONLY
AFC	ABOVE FINISHED COUNTERTOP	MM	MILLIMETERS
AFF	ABOVE FINISHED FLOOR	NA	NOT APPLICABLE
AWG	AMERICAN WIRE GAUGE	NEC	NATIONAL ELECTRICAL CODE
BKR	BREAKER	NEMA	NATIONAL ELECTRICAL
BLDG	BUILDING	NTS	NOT TO SCALE
CD	CIRCUIT BREAKER	P	POLE
C	CONDUIT	PH	PHASE
CLG	CEILING	PNL	PANELBOARD
IT	DATA COMMUNICATIONS ROOM	PHN	PHONE
DIA	DIAMETER	PR	PRINTER
DISC	DISCONNECT	PRI	PRIMARY
DWG	DRAWING	RECP	RECEPTACLE
EC	ELECTRICAL CONTRACTOR	RM	ROOM
ELEC	ELECTRICAL	SCHED	SCHEDULE
EQUIP	EQUIPMENT	SEC	SECONDARY
EX	EXISTING	SHT	SHEET
EG	EQUIPMENT GROUND	SPD	SURGE PROTECTIVE DEVICE
EMT	ELECTRICAL METALLIC TUBING	SPEC	SPECIFICATIONS
EWC	ELECTRIC WATER COOLER	SWBD	SWITCHBOARD
GC	GENERAL CONTRACTOR	TVSS	TRANSIENT VOLTAGE SURE SUPPRESSOR
GRD	GROUND	TYP	TYPICAL
GFI	GROUND FAULT INTERRUPTING	UNO	UNLESS NOTED OTHERWISE
IG	ISOLATED GROUND	V/D	VOICE/DATA
KVA	KILOVOLT AMPHERE	V	VOLT, VOLTAGE
KW	KILOWATT	VA	VOLT AMPHERES
LAN	LOCAL AREA NETWORK	XFMR	TRANSFORMER



BUILDING MOUNTED CT CABINET/METER SOCKET

- NOTES:
- CUSTOMER FURNISHED CT CABINET, CT MOUNTING BRACKET, AND REMOTE METER SOCKET.
 - HINGED DOOR TO OPEN AWAY FROM REMOTE METER.
 - 48" X 48" ENCLOSURE SIZE

FLAG NOTES THIS SHEET:

1. EXISTING 480/277 VOLT UTILITY TRANSFORMER SHALL BE CHANGED OUT TO 208/120 VOLT, 3 PHASE TRANSFORMER BY THE CITY OF CODY ELECTRICAL DEPARTMENT. ANY ASSOCIATED COSTS SHALL BE REIMBURSED BY CONTRACTOR.
2. MONUMENT SIGN. VERIFY EXACT REQUIREMENTS PRIOR TO ROUGH-IN. PROVIDE 30A/2P WP, FUSED DISCONNECT SWITCH AND WIRE WITH 3#8 AND 1#10 GROUND IN 1" CONDUIT. PROVIDE DATA OUTLET AND 1" CONDUIT TO PHONE/DATA BOARD IN IT ROOM. POWER AND DATA MUST BE ROUTED A MINIMUM OF 12" APART.
3. CT CABINET AND METER SOCKET BY CONTRACTOR SEE DETAIL THIS SHEET FOR ADDITIONAL INFORMATION. ALL ITEMS SHALL CONFORM TO CITY OF CODY SPECIFICATIONS.
4. WIRE LIGHT POLE WITH 2#10 AND 1#10 GROUND. LIGHT POLE CIRCUIT SHALL ALSO INCLUDE FLAG POLE LIGHTING. WIRE EACH OUTLET TO CIRCUIT INDICATED WITH 2#8 AND 1#10G, AND RUN ALL CONDUCTORS IN A 1" CONDUIT.
5. SERVICE LATERAL BY CONTRACTOR. LATERAL SHALL MEET CITY OF CODY SPECIFICATIONS AND RIGHT OF WAY REQUIREMENTS. SERVICE LATERAL SHALL BE 2 PARALLEL RUNS OF 3#4/0 MCM IN 2" CONDUIT.
6. 4" CONDUIT FROM EXISTING TELEPHONE PEDESTAL TO IT COMMUNICATIONS ROOM. COORDINATE FINAL REQUIREMENTS AND ROUTING PRIOR TO PLACEMENT.
7. COORDINATE CONDUIT TERMINATE IN IT COMMUNICATIONS ROOM PRIOR TO ROUTING THROUGH BUILDING.
8. WIRE GATE MOTOR WITH 3#10 AND 1#10 GROUND IN 1" CONDUIT. HEAVY DUTY NEMA 3R FUSED DISCONNECT TO BE FUSED TO SIZE OF MOTOR PROVIDED. COORDINATE FINAL REQUIREMENTS PRIOR TO ROUGH IN.
9. WIRE LIGHT POLE WITH 2#10 AND 1#10 GROUND. WIRE EACH OUTLET TO CIRCUIT INDICATED WITH 2#8 AND 1#10G, AND RUN ALL CONDUCTORS IN A 1" CONDUIT.
10. ENGINE BLOCK HEATER OUTLET SHALL HAVE QUICK DISCONNECT TO MATCH TRUCK RECEPTACLE.
11. LIGHT POLE CONCRETE BASE DESIGN IS BY STRUCTURAL. BASE SHALL HAVE AN INSULATED #10 COPPER GROUND CONDUCTOR ATTACHED TO INTERNAL LUG WELDED TO THE INTERIOR OF THE POLE. ANCHOR BOLTS SHALL BE AS RECOMMENDED BY POLE MANUFACTURER.
12. PULL BOX FOR ELECTRICAL SERVICE LATERAL. COORDINATE LOCATION PRIOR TO INSTALLATION. IF BOX IS LOCATED IN PAVED AREA, COVER MUST BE RATED FOR APPLICABLE TRAFFIC LOAD.
13. RUN 2" CONDUIT FROM IT COMMUNICATION ROOM TO A POINT OUTSIDE CONCRETE AREA. MARK AT SURFACE AND PROVIDE TRACER TAPE FOR FUTURE.
14. FLAGPOLE LIGHTING TO BE CONNECTED TO CIRCUIT (LP2) SERVING AREA LIGHT.

ELECTRICAL SITE INSTALLATION GENERAL NOTES

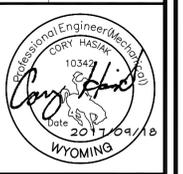
1. INVOICES SHALL BE PROVIDED TO THE CITY ELECTRICAL ENGINEER FOR ALL CONDUIT AND ELECTRICAL MATERIALS PURCHASED FOR THIS PROJECT BY THE CONTRACTOR.
2. ALL PRIMARY CONDUITS SHALL BE ELECTRICAL GRADE PVC CONDUIT, AND INSTALLED AT A DEPTH OF 48" AND BACKFILLED PER CITY REQUIREMENTS.
3. ALL SECONDARY CONDUITS SHALL BE ELECTRICAL GRADE PVC CONDUIT, AND INSTALLED AT A DEPTH OF 24", AND BACKFILLED PER CITY REQUIREMENTS.
4. THE CITY SHALL SUPPLY TRANSFORMER BOX PADS, SECTIONALIZING VAULT GROUND SLEEVES, GROUND RODS WITH PIGTAILS AND SECONDARY SERVICE PEDESTALS TO THE CONTRACTOR TO BE INSTALLED BY THE CONTRACTOR TO CITY SPECIFICATIONS. FOR FURTHER INFORMATION ON THE PLACEMENT AND CLEARANCES REQUIRED FOR SUCH EQUIPMENT, REFER TO THE ELECTRICAL DISTRIBUTION STANDARDS POLICY AVAILABLE IN THE CITY OF CODY ENGINEERING OFFICE.

MALONE BELTON ABEL
 a professional corporation
 ARCHITECTURE • ENGINEERING • PLANNING • INTERIOR DESIGN
 340 west dow street, sheridan, wyoming 82801 (307)674-4476

DESIGN CH/KV
 DRAWN CH/KV
 CHECKED CH

JOB No. 1616
 DATE 09/18/17

REVISIONS



NEW OFFICE BUILDING
 FOR
 RURAL WATER DISTRICT
 CODY NORTHWEST
 LOTS 6&8 ROCKY MOUNTAIN BUSINESS PARK
 STONE STREET, CODY, WYOMING

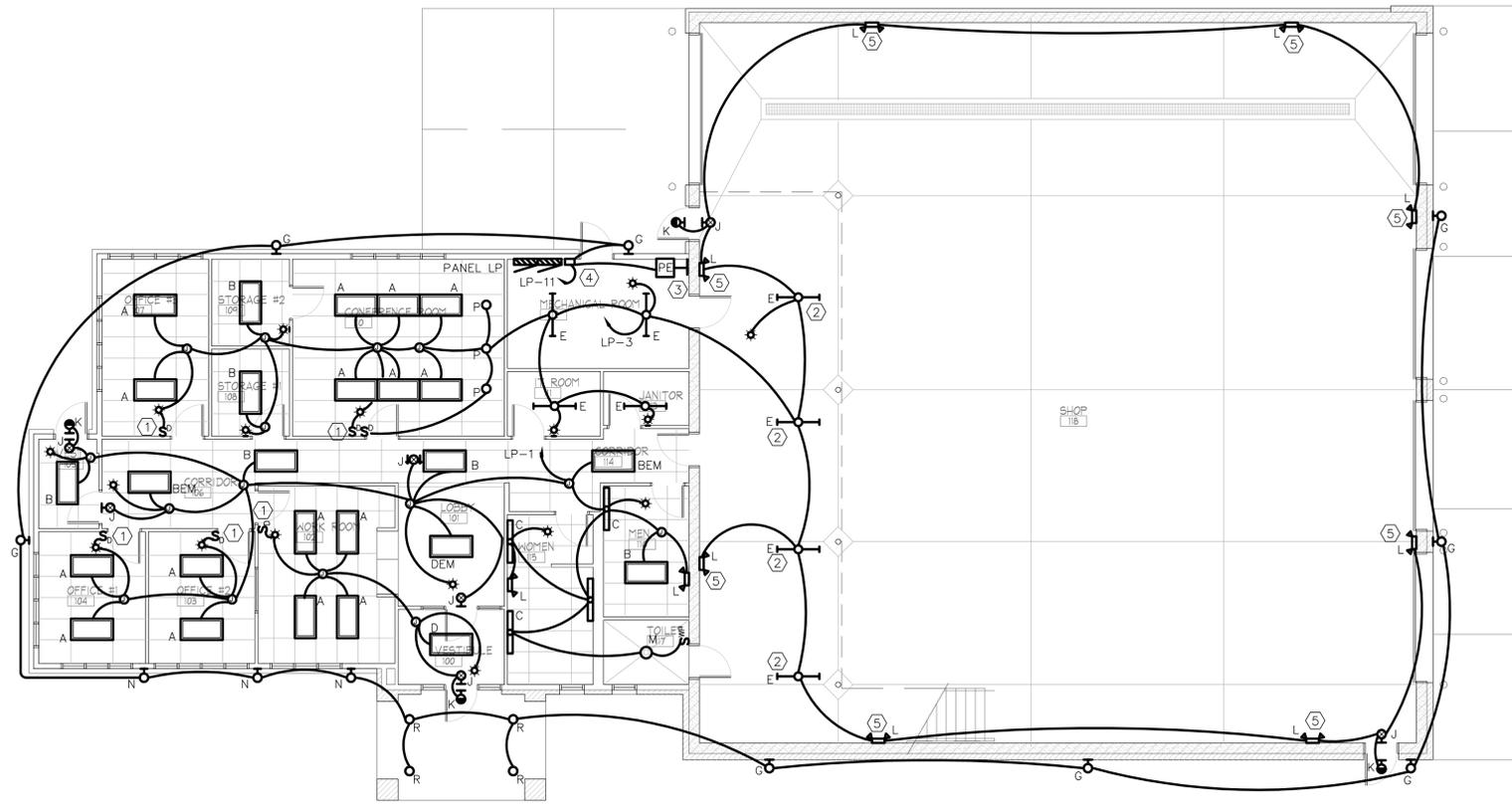
SHT/SET

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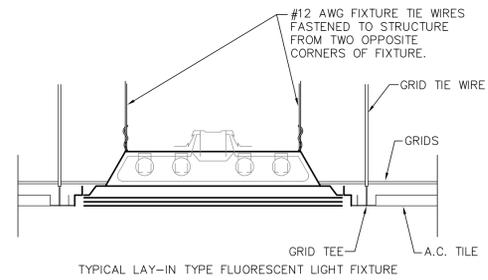
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FLAG NOTES:

1. PROVIDE EXTRA CONDUCTOR TO DIMMER WALL SWITCH.
2. FIXTURE TO BE PROVIDED UNDER ALTERNATE.
3. PHOTOCELL TO CONTROL EXTERIOR BUILDING INTERMATIC PHOTOCONTROL, 120V. LOCATE ON WALL 24" ABOVE LOWER ROOF.
4. PROVIDE ASTRONOMIC TIMER SWITCH W/7 DAY, PROGRAMMABLE DIGITAL TIMER AND BATTERY BACKUP, 12 AMP, 120V INTERMATIC ST01K OR EQUAL.
5. MOUNT TYPE L FIXTURE AT +10'-0" AFF IN SHOP AREA - BASE BID, 7'-0" AFF FOR FIXTURES UNDER MEZZANINE STRUCTURE FOR MEZZANINE BID ALTERNATE. COORDINATE MOUNTING HEIGHT PRIOR TO ROUGH IN SO AS NOT TO INTERFERE WITH OTHER ITEMS. ADJUST MOUNTING HEIGHT IF NECESSARY.

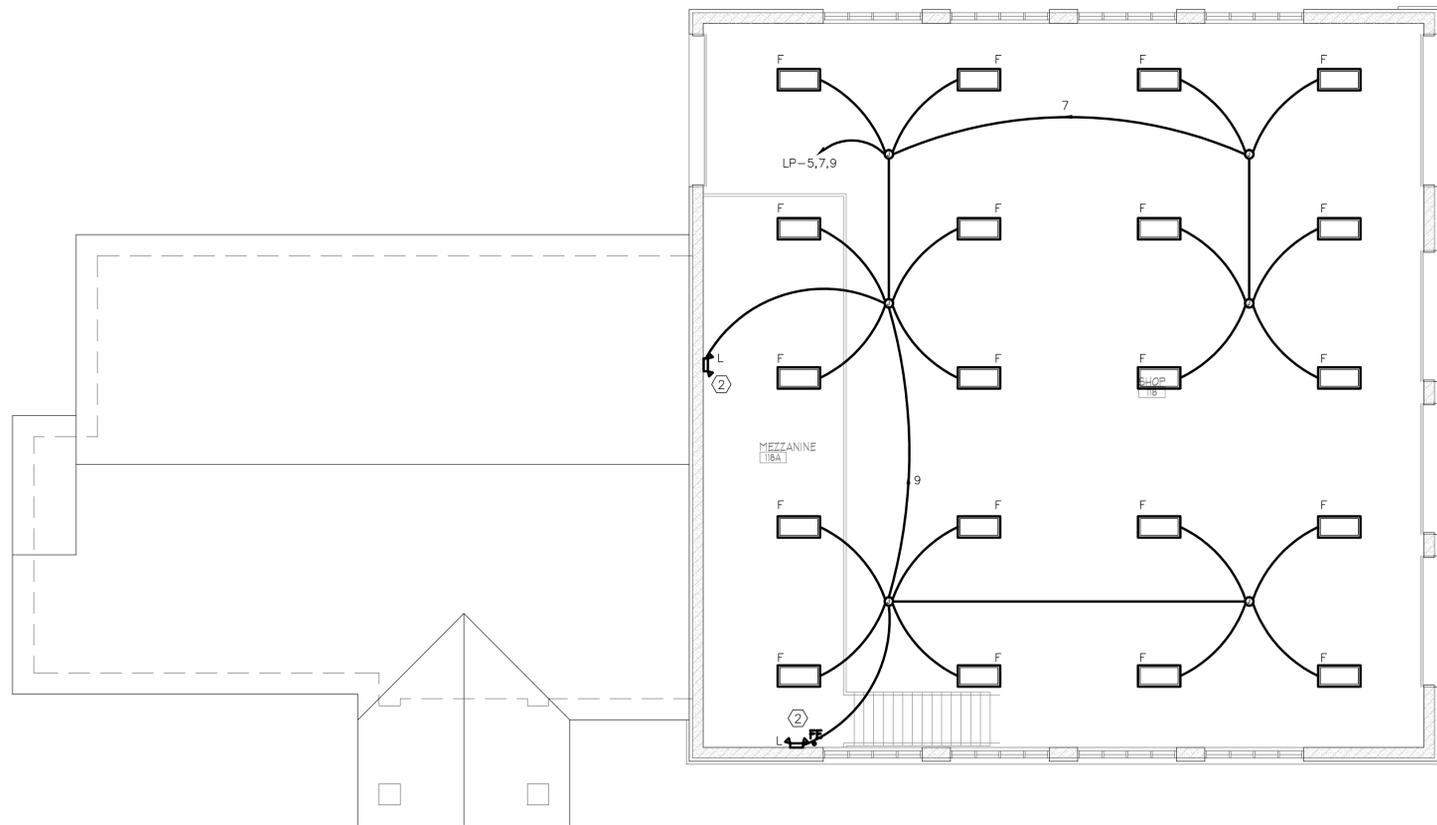


FLOOR PLAN
SCALE: 1/8"=1'-0"



LAY-IN FIXTURE DETAIL

Scale: NONE



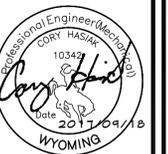
MEZZANINE FLOOR PLAN
SCALE: 1/8"=1'-0"

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NEW OFFICE BUILDING
FOR
CODY NORTHWEST RURAL WATER DISTRICT
LOTS 6&8 ROCKY MOUNTAIN BUSINESS PARK
STONE STREET, CODY, WYOMING

SHT/SET

26.11

FEATURES & SPECIFICATIONS

INTENDED USE

Provides maintenance-free general illumination for outdoor use in residential and commercial applications such as retail, education, multi-unit housing and storage. Ideal for lighting building facades, parking areas, walkways, garages, loading areas and any other outdoor space requiring reliable security lighting.

CONSTRUCTION

Sturdy weather-resistant aluminum housing with a dark bronze finish.

High performance LEDs are powered by an MVOLT driver providing 2720 and 3970 delivered lumens at 5000K. 100,000 hours LED lifespan based on IESNA LM-80-08 results and calculated per IESNA TM-21-11 methodology. Fixture is maintenance-free.

Rated for outdoor installations -40°C minimum ambient.

Adjustable Dusk-to-Dawn, photocell standard automatically turns light on at dusk and off at dawn for convenience and energy savings.

Photocell can be disabled by rotating the photocell cover.

OPTICS

Precision-molded acrylic lenses provide optimal luminaire spacing with Type 3 distribution.

Nighttime Friendly™ full cutoff above 90° angle, standard.

INSTALLATION

Wall or arm mount (mounting arm sold separately).

All mounting hardware included.

LISTINGS

UL Certified to US safety standards. C-UL Certified to Canadian safety standards. Wet location listed.

Tested in accordance with IESNA LM-79 and LM-80 standards. DLC qualified product.

WARRANTY

5-year limited warranty. Complete warranty terms located at

www.acuitybrands.com/CustomerResources/Terms_and_conditions.aspx

Actual performance may differ as a result of end-user environment and application.

All values are design or typical values, measured under laboratory conditions at 25 °C.

NOTE: Specifications are subject to change without notice.

Catalog Number
Notes
Type

Outdoor General Purpose

OLW

LED WALL PACK

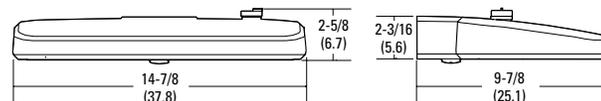
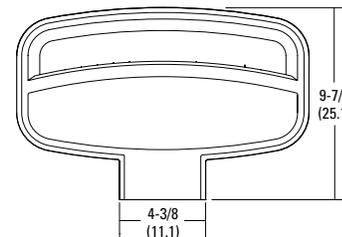


Consistent with LEED™ goals & Green Globes™ criteria for light pollution reduction



Specifications

All dimensions are inches (centimeters)



ORDERING INFORMATION

For shortest lead times, configure products using **bolded options**.

Example: OLW 23

OLW					
Series	Lumens / Color temperature (CCT)	Voltage	Features	Finish	
OLW LED Wall Light	23 2720 delivered lumens / 5000K ¹ 31 3970 delivered lumens / 5000K ¹	(blank) MVOLT (120V-277V)	(blank) Photocell included	(blank) DDB Dark Bronze	

Accessories: Order as separate catalog number.

OMA 18 DDB U 18" Steel mounting arm

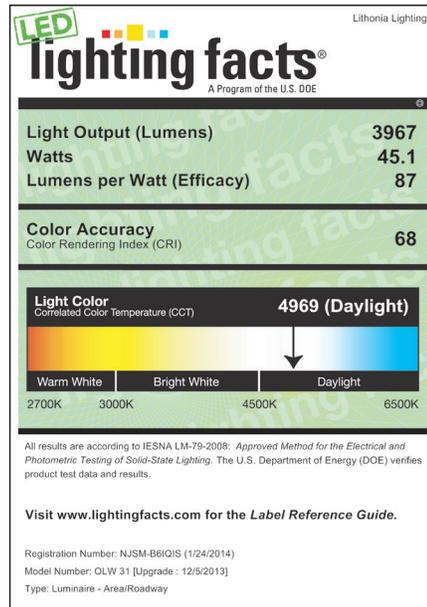
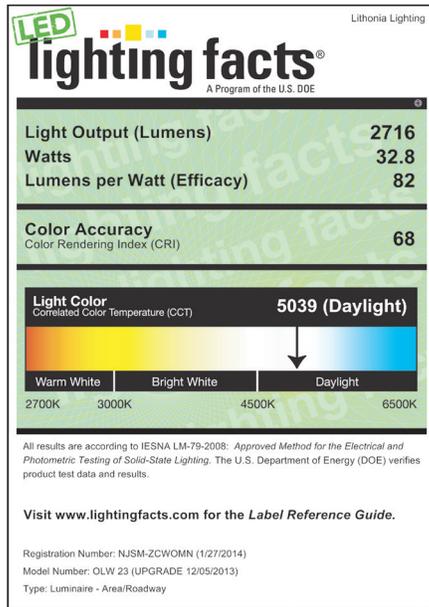
Notes

1 Correlated Color Temperature (CCT) shown is nominal per ANSI C78,377-2008.

OLW LED Wall Light

PHOTOMETRICS

Full photometric data report available within 2 weeks from request. Consult factory.
Tested in accordance with IESNA LM-79 and LM-80 standards.



FEATURES & SPECIFICATIONS

INTENDED USE — Square Straight Steel is a general purpose light pole for up to 39-foot mounting heights. This pole provides a robust yet cost effective option for mounting area lights and floodlights.

CONSTRUCTION — **Pole Shaft:** The pole shaft is of uniform dimension and wall thickness and is made of a weldable-grade, hot-rolled, commercial-quality steel tubing with a minimum yield of 55 KSI (11-gauge, .1196"), or 50 KSI (7-gauge, .1793"). Shaft is one-piece with a full-length longitudinal high-frequency electric resistance weld. Uniformly square in cross-section with flat sides, small corner radii and excellent torsional qualities. Available shaft widths are 4", 5" and 6".

Pole Top: A top cap is provided for all poles that will receive drilling patterns for side-mount luminaire arm assemblies or when ordered with PT option.

Handhole: A reinforced handhole with grounding provision is provided at 18" from the base. Positioning the handhole lower may not be possible and requires engineering review; consult Tech Support-Outdoor for further information. Every handhole includes a cover and cover attachment hardware. The handhole has a nominal dimension of 2.5" x 5".

Base Cover: A durable ABS plastic two-piece full base cover, finished to match the pole, is provided with each pole assembly. Additional base cover options are available upon request.

Anchor Base/ Bolts: Anchor base is fabricated from steel that meets ASTM A36 standards and can be altered to match existing foundations; consult factory for modifications. Anchor bolts are manufactured to ASTM F1554 Standards grade 55, (55 KSI minimum yield strength and tensile strength of 75-95 KSI). Top threaded portion (nominal 12") is hot-dipped galvanized per ASTM A-153.

HARDWARE — All structural fasteners are high-strength galvanized carbon steel. All non-structural fasteners are galvanized or zinc-plated carbon steel or stainless steel.

FINISH — Standard powder-coat finishes include Dark Bronze, White, Black, Medium Bronze and Natural Aluminum colors. Classic finishes include Sandstone, Charcoal Gray, Tennis Green, Bright Red and Steel Blue colors. Architectural Colors and Special Finishes are available by quote and include, but are not limited to Hot-dipped Galvanized, Paint over Hot-dipped Galvanized, RAL Colors, Custom Colors and Extended Warranty Finishes. Factory-applied primer paint finish is available for customer field-paint applications.

WARRANTY — 1-year limited warranty. Complete warranty terms located at: www.acuitybrands.com/CustomerResources/Terms_and_conditions.aspx

NOTE: Actual performance may differ as a result of end-user environment and application. Specifications subject to change without notice.

Catalog Number
Notes
Type



Anchor Base Poles

SSS

SQUARE STRAIGHT STEEL

ORDERING INFORMATION

Lead times will vary depending on options selected. Consult with your sales representative.

Example: SSS 20 5C DM19 DDB

Series	Nominal fixture mounting height	Nominal shaft base size/wall thickness ¹	Mounting ²	Options	Finish ¹⁰	
SSS	(See technical information table.)	(See technical information table.)	Tenon mounting PT Open top (includes top cap) T20 2-3/8" O.D. (2" NPS) T25 2-7/8" O.D. (2-1/2" NPS) T30 3-1/2" O.D. (3" NPS) T35 4" O.D. (3-1/2" NPS) KAC/KAD/KSE/KSF/KVR/KVF Drill mounting ³ DM19 1 at 90° DM28 2 at 180° DM28 PL 2 at 180° with one side plugged DM29 2 at 90° DM39 3 at 90° DM49 4 at 90° CSX/DSX/AERIS™/OMERO™ Drill mounting ³ DM19AS 1 at 90° DM28AS 2 at 180° DM29AS 2 at 90° DM39AS 3 at 90° DM49AS 4 at 90°	AERIS™ Suspend drill mounting ^{3,4} DM19AST_ 1 at 90° DM28AST_ 2 at 180° DM29AST_ 2 at 90° DM39AST_ 3 at 90° DM49AST_ 4 at 90° OMEMO™ Suspend drill mounting ^{3,4} DM19MRT_ 1 at 90° DM28MRT_ 2 at 180° DM29MRT_ 2 at 90° DM39MRT_ 3 at 90° DM49MRT_ 4 at 90°	Shipped installed L/AB Less anchor bolts VD Vibration damper TP Tamper resistant handhole cover fasteners HAxy Horizontal arm bracket (1 fixture) ^{5,6} FDLxy Festoon outlet less electrical ⁵ CPL12/xy 1/2" coupling ⁵ CPL34/xy 3/4" coupling ⁵ CPL1/xy 1" coupling ⁵ NPL12/xy 1/2" threaded nipple ⁵ NPL34/xy 3/4" threaded nipple ⁵ NPL1/xy 1" threaded nipple ⁵ EHHxy Extra handhole ^{5,7} MAEX Match existing ⁸ USPOM United States point of manufacture ⁹ IC Interior coating ¹⁰ UL UL listed with label (Includes NEC compliant cover) NEC NEC 410.30 compliant gasketed handhole (Not UL Labeled)	Standard colors DDB Dark bronze DWH White DBL Black DMB Medium bronze DNA Natural aluminum Classic colors DSS Sandstone DGC Charcoal gray DTG Tennis green DBR Bright red DSB Steel blue Architectural Colors and Special Finishes ¹¹ Galvanized, Paint over Galvanized, RAL Colors, Custom Colors and Extended Warranty Finishes available.

See footnotes next page.

SSS Square Straight Steel Poles

NOTES:

1. Wall thickness will be signified with a "C" (11 Gauge) or a "G" (7-gauge) in nomenclature. "C" - 0.1196" | "G" - 0.1793".
2. PT open top poles include top cap. When ordering tenon mounting and drill mounting for the same pole, follow this example: DM28/T20. The combination includes a required extra handhole.
3. The drilling template pattern to be used for a particular luminaire depends on the luminaire that is used. Refer to the Technical Data Section of the Outdoor Binder for Drilling Templates.
Matrix with Generic Template Link at <http://www.acuitybrands.com/-/media/Files/Acuity/Resources/Tools-and-Documents/Pole%20Resources/Pole%20Anchorage/Matrix%20Document/AnchorBoltMatrix.pdf?la=en>

4. Insert "1" or "2" to designate fixture size; e.g. DM19AST2.
5. Specify location and orientation when ordering option.
For "x": Specify the height above the base of pole in feet or feet and inches; separate feet and inches with a "-".
Example: 5ft = 5 and 20ft 3in = 20-3
For "y": Specify orientation from handhole (A,B,C,D)
Refer to the Handhole Orientation diagram below.
Example: 1/2" coupling at 5' 8", orientation C = CPL12/S-8C
6. Horizontal arm is 18" x 2-3/8" O.D. tenon standard, with radius curve providing 12" rise and 2-3/8" O.D..
7. Combination of tenon-top and drill mount includes extra handhole.
8. Must add original order number of existing pole(s).

9. Use when mill certifications are required.
10. Provides enhanced corrosion resistance.
11. Additional colors available; see www.lithonia.com/archcolors or Architectural Colors brochure (Form No. 794.3). Available by formal quote only, consult factory for details.

TECHNICAL INFORMATION — EPA (ft²) WITH 3-SECOND GUST PER AASHTO 2013

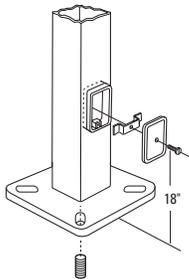
Series	Mounting Height (ft)	Shaft Base Size	90 MPH	Max. weight	100 MPH	Max. weight	110 MPH	Max. weight	120 MPH	Max. weight	130 MPH	Max. weight	140 MPH	Max. weight	150 MPH	Max. weight	Approximate ship weight (lbs.)
SSS	10	4C	20	500	16	400	13	325	10.5	263	8.5	213	7	175	6	150	75
SSS	12	4C	16	400	13	325	10	250	8	200	6.5	163	5	125	4	100	90
SSS	14	4C	13.5	338	10	250	7.5	188	6	150	4.5	113	3.5	88	2.5	63	100
SSS	16	4C	10.5	263	7.5	188	5.5	138	4	100	3	75	1.5	38	1	25	115
SSS	18	4C	8	200	5.5	138	4	100	2.5	63	1.5	38	0.5	13	-	-	125
SSS	18	4G	13	325	9.5	238	7	175	5	125	3.5	88	2.5	63	1.5	38	185
SSS	18	5C	13	325	9.5	238	6.5	163	4.5	113	3	75	1.5	38	3.5	13	170
SSS	20	4C	6	150	4	100	2.5	63	1	25	-	-	-	-	-	-	140
SSS	20	4G	10.5	263	7.5	188	5.5	138	3.5	88	2	50	1	25	-	-	205
SSS	20	5C	10	250	7	175	4.5	113	2.5	63	1	25	-	-	-	-	185
SSS	20	5G	20	500	15	375	11.5	288	8.5	213	6	150	4.5	113	3	75	265
SSS	25	4C	2	50	0.5	13	-	-	-	-	-	-	-	-	-	-	170
SSS	25	4G	5.5	138	3	75	1.5	38	-	-	-	-	-	-	-	-	245
SSS	25	5C	4.5	113	2	50	-	-	-	-	-	-	-	-	-	-	225
SSS	25	5G	12	300	8.5	213	5.5	138	3	75	1.5	38	-	-	-	-	360
SSS	25	6G	19	475	13.5	338	9	225	5.5	138	3	75	1	25	-	-	445
SSS	30	4G	1.5	38	-	-	-	-	-	-	-	-	-	-	-	-	291
SSS	30	5C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	265
SSS	30	5G	6.5	163	3.5	88	1	25	-	-	-	-	-	-	-	-	380
SSS	30	6G	11	275	6	150	2.5	63	-	-	-	-	-	-	-	-	520
SSS	35	5G	2	50	-	-	-	-	-	-	-	-	-	-	-	-	440
SSS	35	6G	4	100	-	-	-	-	-	-	-	-	-	-	-	-	540
SSS	39	6G	-	-	-	-	-	-	-	-	-	-	-	-	-	-	605

AASHTO 2013 criteria is the most conservative existing EPA calculation. For poles not showing EPA values under AASHTO 2013, EPA values may exist under commercial criteria (see table below).

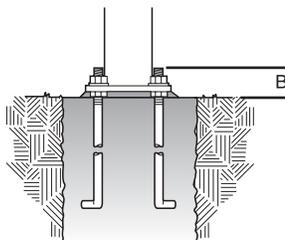
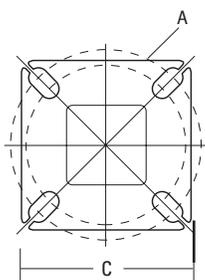
SSS Square Straight Steel Poles

TECHNICAL INFORMATION													
Catalog Number	Nominal Shaft Length (ft.)	Pole Shaft Size (Base in. x Top in. x ft.)	Wall thick (in)	Gauge	EPA (ft ²) with 1.3 gust						Bolt circle (in)	Bolt size (in. x in. x in.)	Approximate ship weight (lbs.)
					80 MPH	Max. weight	90 MPH	Max. weight	100 MPH	Max. weight			
SSS 10 4C	10	4.0 x 10.0	0.1196	11	30.6	765	23.8	595	18.9	473	8-9	3/4 x 18 x 3	75
SSS 12 4C	12	4.0 x 12.0	0.1196	11	24.4	610	18.8	470	14.8	370	8-9	3/4 x 18 x 3	90
SSS 14 4C	14	4.0 x 14.0	0.1196	11	19.9	498	15.1	378	11.7	293	8-9	3/4 x 18 x 3	100
SSS 16 4C	16	4.0 x 16.0	0.1196	11	15.9	398	11.8	295	8.9	223	8-9	3/4 x 18 x 3	115
SSS 18 4C	18	4.0 x 18.0	0.1196	11	12.6	315	9.2	230	6.7	168	8-9	3/4 x 18 x 3	125
SSS 20 4C	20	4.0 x 20.0	0.1196	11	9.6	240	6.7	167	4.5	150	8-9	3/4 x 18 x 3	140
SSS 20 4G	20	4.0 x 20.0	0.1793	7	14	350	11	275	8	200	8-9	3/4 x 30 x 3	198
SSS 20 5C	20	5.0 x 20.0	0.1196	11	17.7	443	12.7	343	9.4	235	10-12	1 x 36 x 4	185
SSS 20 5G	20	5.0 x 20.0	0.1793	7	28.1	703	21.4	535	16.2	405	10-12	1 x 36 x 4	265
SSS 25 4C	25	4.0 x 25.0	0.1196	11	4.8	150	2.6	100	1	50	8-9	3/4 x 18 x 3	170
SSS 25 4G	25	4.0 x 25.0	0.1793	7	10.8	270	7.7	188	5.4	135	8-9	3/4 x 30 x 3	245
SSS 25 5C	25	5.0 x 25.0	0.1196	11	9.8	245	6.3	157	3.7	150	10-12	1 x 36 x 4	225
SSS 25 5G	25	5.0 x 25.0	0.1793	7	18.5	463	13.3	333	9.5	238	10-12	1 x 36 x 4	360
SSS 30 4G	30	4.0 x 30.0	0.1793	7	6.7	168	4.4	110	2.6	65	8-9	3/4 x 30 x 3	295
SSS 30 5C	30	5.0 x 30.0	0.1196	11	4.7	150	2	50	--	--	10-12	1 x 36 x 4	265
SSS 30 5G	30	5.0 x 30.0	0.1793	7	10.7	267	6.7	167	3.9	100	10-12	1 x 36 x 4	380
SSS 30 6G	30	6.0 x 30.0	0.1793	7	19	475	13.2	330	9	225	11-13	1 x 36 x 4	520
SSS 35 5G	35	5.0 x 35.0	0.1793	7	5.9	150	2.5	100	--	--	10-12	1 x 36 x 4	440
SSS 35 6G	35	6.0 x 35.0	0.1793	7	12.4	310	7.6	190	4.2	105	11-13	1 x 36 x 4	540
SSS 39 6G	39	6.0 x 39.0	0.1793	7	7.2	180	3	75	--	--	11-13	1 x 36 x 4	605

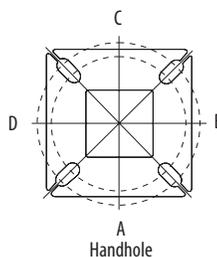
BASE DETAIL



POLE DATA								
Shaft base size	Bolt circle A	Bolt projection B	Base diameter C	Base plate thickness	Template description	Anchor bolt description	Anchor bolt and template number	Anchor bolt description
4"C	8" - 9"	3.25" - 3.75"	8" - 8.25"	0.75"	ABTEMPLATE PJ50004	AB18-0	ABSSS-4C	3/4"x18"x3"
4"G	8" - 9"	3.38" - 3.75"	8" - 8.25"	0.875"	ABTEMPLATE PJ50004	AB30-0	ABSSS-4G	3/4"x30"x3"
5"	10" - 12"	3.5" - 4"	11"	1"	ABTEMPLATE PJ50010	AB36-0	ABSSS-5	1"x36"x4"
6"	11" - 13"	4" - 4.50"	12.5"	1"	ABTEMPLATE PJ50011	AB36-0	N/A	1"x36"x4"



HANDHOLE ORIENTATION



IMPORTANT INSTALLATION NOTES:

- Do not erect poles without having fixtures installed.
- Factory-supplied templates must be used when setting anchor bolts. Lithonia Lighting will not accept claim for incorrect anchorage placement due to failure to use Lithonia Lighting factory templates.
- If poles are stored outside, all protective wrapping must be removed immediately upon delivery to prevent finish damage.
- Lithonia Lighting is not responsible for the foundation design.

Ordering Information

Accessories

Ordered and shipped separately.

Controls & Shields

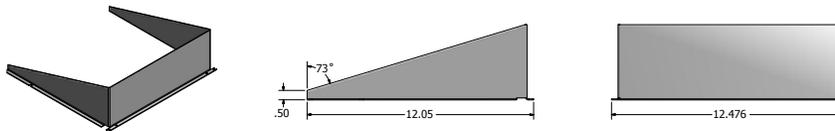
DLL127F 1.5 JU	Photocell - SSL twist-lock (120-277V) ²⁴
DLL347F 1.5 CULJU	Photocell - SSL twist-lock (347V) ²⁴
DLL480F 1.5 CULJU	Photocell - SSL twist-lock (480V) ²⁴
DSHORT SBK U	Shorting cap ²⁴
DSX1EGS DDBXD U	External glare shield
DSX1HS 30C U	House-side shield for 30 LED unit ²⁰
DSX1HS 40C U	House-side shield for 40 LED unit ²⁰
DSX1HS 60C U	House-side shield for 60 LED unit ²⁰
PUMBA DDBXD U*	Square and round pole universal mounting bracket (specify finish) ²⁵
KMA8 DDBXD U	Mast arm mounting bracket adaptor (specify finish) ⁷

For more control options, visit [DTL](#) and [ROAM](#) online.

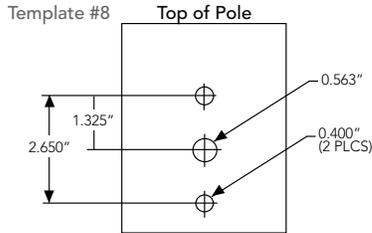
NOTES

- Rotated optics available with 60C only.
- Not available AMBPC, BLC, LCCO or RCCO.
- Not available with HS.
- MVOLT driver operates on any line voltage from 120-277V (50/60 Hz). Specify 120V, 208V, 240V or 277V options only when ordering with fusing (SF, DF options).
- Not available with single board, 530mA product (30C 530 or 60C 530 DS). Not available with BL30, BL50 or PNMT options.
- Existing drilled pole only. Available as a separate combination accessory; for retrofit use only: PUMBA (finish) U; 1.5 G vibration load rating per ANCI C136.31.
- Must order fixture with 5PA option. Must be ordered as a separate accessory; see Accessories information. For use with 2-3/8" mast arm (not included).
- Photocell ordered and shipped as a separate line item from Acuity Brands Controls. See accessories. Not available with DS option. Shorting Cap be order for correct operation when photocell is present.
- If ROAM[®] node required, it must be ordered and shipped as a separate line item from Acuity Brands Controls. Not available with DCR. Node with integral dimming.
- DMG option for 347V or 480V requires 1000mA.
- Specifies a ROAM[®] enabled luminaire with 0-10V dimming capability; PER option required. Additional hardware and services required for ROAM[®] deployment; must be purchased separately. Call 1-800-442-6745 or email: sales@roamservices.net. N/A with DS, PER5, PER7, BL30, BL50 or PNMT options. Node without integral dimming. Mvolt only. Not available with 347V and 480V. Not available with PIRH1FC3V.
- Requires 40C or 60C. Provides 50/50 luminaire operation via two independent drivers on two separate circuits. N/A with PER, DCR, WTB, PIR or PIRH.
- Requires an additional switched circuit.
- PIR and PIR1FC3V specify the [SensorSwitch SBGR-10-ODP](#) control; PIRH and PIRH1FC3V specify the [SensorSwitch SBGR-6-ODP](#) control; see [Outdoor Control Technical Guide](#) for details. Dimming driver standard.
- Ambient sensor disable when ordered with DCR. Separate on/off required. Not available with PMNT options. When PIR and PIRH options are selected with DCR, old style node must be used or PIR and PIRH will not function correctly.
- PIR and PIRH options are used with PER5 and PER7, additional leads receptacle are terminated and non-functioning.
- Dimming driver standard. MVOLT only. Not available with 347V, 480V, DCR, DS, PER5, PER7 or PNMT options. Not available with PIR1FC3V or PIRH1FC3V.
- Dimming driver standard. MVOLT only. Not available with 347V, 480V, DCR, DS, PER5, PER7, BL30 or BL50. Not available with PIR1FC3V or PIRH1FC3V. Separate on/off required.
- Dimming driver standard. Not available with PER5, PER7, DMG, DCR, DS, BL30, BL50 or PNMT, PIR, PIRH, PIR1FC3V or PIRH1FC3V.
- Not available with BLC, LCCO and RCCO distribution. Also available as a separate accessory; see Accessories information.
- WTB not available with DS.
- Single fuse (SF) requires 120V, 277V or 347V. Double fuse (DF) requires 208V, 240V or 480V.
- Available with 60 LEDs (60C option) only.
- Requires luminaire to be specified with PER option. Ordered and shipped as a separate line item from Acuity Brands Controls.
- For retrofit use only.

External Glare Shield



Drilling



DSX1 shares a unique drilling pattern with the AERIS™ family. Specify this drilling pattern when specifying poles, per the table below.

DM19AS	Single unit	DM29AS	2 at 90°**
DM28AS	2 at 180°	DM39AS	3 at 90°**
DM49AS	4 at 90°**	DM32AS	3 at 120°**

Example: SSA 20 4C DM19AS DDBXD

Visit [Lithonia Lighting's POLES CENTRAL](#) to see our wide selection of poles, accessories and educational tools.

*Round pole top must be 3.25" O.D. minimum.

**For round pole mounting (RPA) only.

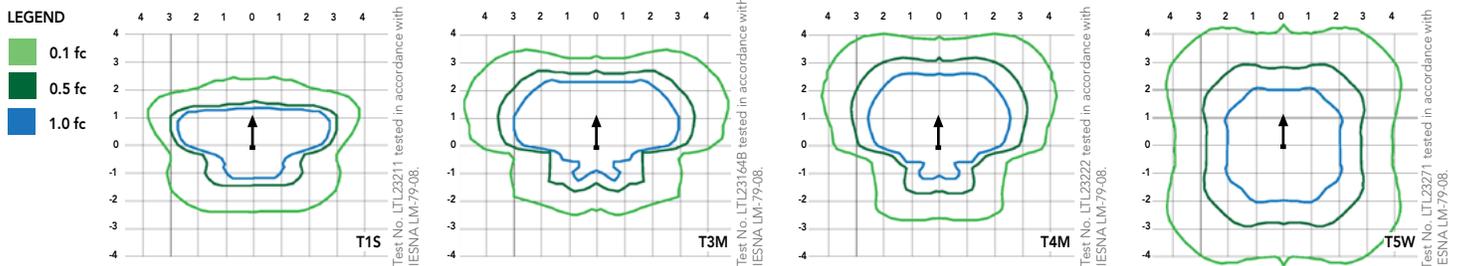
Tenon Mounting Slipfitter**

Tenon O.D.	Single Unit	2 at 180°	2 at 90°	3 at 120°	3 at 90°	4 at 90°
2-3/8"	AST20-190	AST20-280	AST20-290	AST20-320	AST20-390	AST20-490
2-7/8"	AST25-190	AST25-280	AST25-290	AST25-320	AST25-390	AST25-490
4"	AST35-190	AST35-280	AST35-290	AST35-320	AST35-390	AST35-490

Photometric Diagrams

To see complete photometric reports or download .ies files for this product, visit [Lithonia Lighting's D-Series Area Size 1 homepage](#).

Isofootcandle plots for the DSX1 LED 60C 1000 40K. Distances are in units of mounting height (20').



Performance Data

Lumen Ambient Temperature (LAT) Multipliers

Use these factors to determine relative lumen output for average ambient temperatures from 0-40°C (32-104°F).

Ambient		Lumen Multiplier
0°C	32°F	1.02
10°C	50°F	1.01
20°C	68°F	1.00
25°C	77°F	1.00
30°C	86°F	1.00
40°C	104°F	0.99

Projected LED Lumen Maintenance

Data references the extrapolated performance projections for the platforms noted in a **25°C ambient**, based on 10,000 hours of LED testing (tested per IESNA LM-80-08 and projected per IESNA TM-21-11).

To calculate LLF, use the lumen maintenance factor that corresponds to the desired number of operating hours below. For other lumen maintenance values, contact factory.

Operating Hours	0	25,000	50,000	100,000
Lumen Maintenance Factor	DSX1 LED 60C 1000			
	1.0	0.98	0.96	0.91
	DSX1 LED 60C 700			
	1.0	0.99	0.99	0.99

Electrical Load

Number of LEDs	Drive Current (mA)	System Watts	Current (A)					
			120	208	240	277	347	480
30	530	52	0.52	0.30	0.26	0.23	--	--
	700	68	0.68	0.39	0.34	0.30	0.24	0.17
	1000	105	1.03	0.59	0.51	0.45	0.36	0.26
40	530	68	0.67	0.39	0.34	0.29	0.23	0.17
	700	89	0.89	0.51	0.44	0.38	0.31	0.22
	1000	138	1.35	0.78	0.67	0.58	0.47	0.34
60	530	99	0.97	0.56	0.48	0.42	0.34	0.24
	700	131	1.29	0.74	0.65	0.56	0.45	0.32
	1000	209	1.98	1.14	0.99	0.86	0.69	0.50

Performance Data

Lumen Output

Lumen values are from photometric tests performed in accordance with IESNA LM-79-08. Data is considered to be representative of the configurations shown, within the tolerances allowed by Lighting Facts. Contact factory for performance data on any configurations not shown here.

Forward Optics																							
LEDs	Drive Current (mA)	System Watts	Dist. Type	30K (3000 K, 70 CRI)					40K (4000 K, 70 CRI)					50K (5000 K, 70 CRI)					AMBPC (Amber Phosphor Converted)				
				Lumens	B	U	G	LPW	Lumens	B	U	G	LPW	Lumens	B	U	G	LPW	Lumens	B	U	G	LPW
30C (30 LEDs)	530 mA	52 W	T1S	5,948	1	0	1	114	6,387	1	0	1	123	6,427	1	0	1	124	3,640	1	0	1	70
			T2S	6,132	1	0	1	118	6,585	2	0	2	127	6,626	2	0	2	127	3,813	1	0	1	73
			T2M	5,992	1	0	2	115	6,434	1	0	2	124	6,475	1	0	2	125	3,689	1	0	1	71
			T3S	5,985	1	0	1	115	6,427	1	0	2	124	6,467	1	0	2	124	3,770	1	0	1	73
			T3M	6,039	1	0	2	116	6,485	1	0	2	125	6,525	1	0	2	125	3,752	1	0	1	72
			T4M	6,121	1	0	2	118	6,573	1	0	2	126	6,614	1	0	2	127	3,758	1	0	1	72
			TFTM	6,030	1	0	2	116	6,475	1	0	2	125	6,515	1	0	2	125	3,701	1	0	1	71
			TSVS	6,370	2	0	0	123	6,840	2	0	0	132	6,883	2	0	0	132	3,928	2	0	0	76
			T5S	6,417	2	0	0	123	6,890	2	0	0	133	6,933	2	0	0	133	3,881	2	0	0	75
			T5M	6,428	3	0	1	124	6,902	3	0	1	133	6,945	3	0	1	134	3,930	2	0	1	76
			T5W	6,334	3	0	1	122	6,801	3	0	1	131	6,844	3	0	1	132	3,820	3	0	1	73
			BLC	4,735	1	0	1	91	5,085	1	0	2	98	5,116	1	0	1	98					
			LCCO	4,600	1	0	2	88	4,940	1	0	2	95	4,971	1	0	2	96					
			RCCO	4,600	1	0	2	88	4,940	1	0	2	95	4,971	1	0	2	96					
			T1S	7,554	1	0	1	111	8,112	2	0	2	119	8,163	2	0	2	120	4,561	1	0	1	67
			T2S	7,789	2	0	2	115	8,364	2	0	2	123	8,416	2	0	2	124	4,777	1	0	1	70
			T2M	7,610	1	0	2	112	8,172	2	0	2	120	8,223	2	0	2	121	4,622	1	0	2	68
			T3S	7,601	1	0	2	112	8,162	2	0	2	120	8,213	2	0	2	121	4,724	1	0	1	69
	T3M	7,670	1	0	2	113	8,236	2	0	2	121	8,288	2	0	2	122	4,701	1	0	2	69		
	T4M	7,774	1	0	2	114	8,348	2	0	2	123	8,400	2	0	2	124	4,709	1	0	2	69		
	TFTM	7,658	1	0	2	113	8,223	1	0	2	121	8,275	1	0	2	122	4,638	1	0	2	68		
	TSVS	8,090	2	0	0	119	8,687	3	0	1	128	8,742	3	0	1	129	4,922	2	0	0	72		
	T5S	8,150	2	0	0	120	8,751	3	0	0	129	8,806	3	0	0	130	4,863	2	0	0	72		
	T5M	8,164	3	0	1	120	8,767	3	0	2	129	8,821	3	0	2	130	4,924	3	0	1	72		
	T5W	8,044	3	0	1	118	8,638	3	0	2	127	8,692	3	0	2	128	4,787	3	0	1	70		
	BLC	6,028	1	0	2	89	6,473	1	0	2	95	6,514	1	0	2	96							
	LCCO	5,856	1	0	2	86	6,289	1	0	2	92	6,328	1	0	2	93							
	RCCO	5,856	1	0	2	86	6,289	1	0	2	92	6,328	1	0	2	93							
	T1S	10,331	2	0	2	98	11,094	2	0	2	106	11,163	2	0	2	106							
	T2S	10,652	2	0	2	101	11,438	2	0	2	109	11,510	2	0	2	110							
	T2M	10,408	2	0	2	99	11,176	2	0	3	106	11,246	2	0	3	107							
	T3S	10,395	2	0	2	99	11,163	2	0	2	106	11,233	2	0	2	107							
	T3M	10,490	2	0	2	100	11,264	2	0	2	107	11,335	2	0	2	108							
	T4M	10,632	2	0	2	101	11,417	2	0	2	109	11,488	2	0	2	109							
	TFTM	10,473	2	0	2	100	11,247	2	0	3	107	11,317	2	0	3	108							
	TSVS	11,064	3	0	1	105	11,881	3	0	1	113	11,955	3	0	1	114							
T5S	11,145	3	0	1	106	11,968	3	0	1	114	12,043	3	0	1	115								
T5M	11,165	3	0	2	106	11,989	4	0	2	114	12,064	4	0	2	115								
T5W	11,001	3	0	2	105	11,813	4	0	2	113	11,887	4	0	2	113								
BLC	7,960	1	0	2	76	8,548	1	0	2	81	8,601	1	0	2	82								
LCCO	7,734	1	0	2	74	8,305	1	0	2	79	8,357	1	0	2	80								
RCCO	7,734	1	0	2	74	8,305	1	0	2	79	8,357	1	0	2	80								

Performance Data

Lumen Output

Lumen values are from photometric tests performed in accordance with IESNA LM-79-08. Data is considered to be representative of the configurations shown, within the tolerances allowed by Lighting Facts. Contact factory for performance data on any configurations not shown here.

Forward Optics																										
LEDs	Drive Current (mA)	System Watts	Dist. Type	30K (3000 K, 70 CRI)					40K (4000 K, 70 CRI)					50K (5000 K, 70 CRI)					AMBPC (Amber Phosphor Converted)							
				Lumens	B	U	G	LPW	Lumens	B	U	G	LPW	Lumens	B	U	G	LPW	Lumens	B	U	G	LPW			
40C (40 LEDs)	530 mA	68 W	T1S	7,861	1	0	1	116	8,441	2	0	2	124	8,494	2	0	2	125	4,794	1	0	1	71			
			T2S	8,105	2	0	2	119	8,704	2	0	2	128	8,758	2	0	2	129	5,021	1	0	1	74			
			T2M	7,920	2	0	2	116	8,504	2	0	2	125	8,557	2	0	2	126	4,858	1	0	2	71			
			T3S	7,910	1	0	2	116	8,494	2	0	2	125	8,547	2	0	2	126	4,966	1	0	1	73			
			T3M	7,982	2	0	2	117	8,571	2	0	2	126	8,625	2	0	2	127	4,941	1	0	2	73			
			T4M	8,090	1	0	2	119	8,687	2	0	2	128	8,741	2	0	2	129	4,950	1	0	2	73			
			TFTM	7,969	1	0	2	117	8,558	2	0	2	126	8,611	2	0	2	127	4,875	1	0	2	72			
			TSVS	8,419	2	0	0	124	9,040	3	0	1	133	9,097	3	0	1	134	5,174	2	0	0	76			
			T5S	8,481	2	0	0	125	9,107	3	0	1	134	9,164	3	0	1	135	5,111	2	0	0	75			
			T5M	8,496	3	0	1	125	9,123	3	0	2	134	9,180	3	0	2	135	5,175	3	0	1	76			
			TSW	8,371	3	0	2	123	8,989	3	0	2	132	9,045	3	0	2	133	5,031	3	0	1	74			
			BLC	6,255	1	0	2	92	6,717	1	0	2	99	6,759	1	0	2	99								
			LCCO	6,077	1	0	2	89	6,526	1	0	2	96	6,566	1	0	2	97								
			RCCO	6,077	1	0	2	89	6,526	1	0	2	96	6,566	1	0	2	97								
						T1S	9,984	2	0	2	112	10,721	2	0	2	120	10,788	2	0	2	121	6,014	1	0	1	68
						T2S	10,294	2	0	2	116	11,054	2	0	2	124	11,123	2	0	2	125	6,299	2	0	2	71
						T2M	10,059	2	0	2	113	10,801	2	0	3	121	10,869	2	0	3	122	6,094	2	0	2	68
						T3S	10,046	2	0	2	113	10,788	2	0	2	121	10,855	2	0	2	122	6,229	1	0	2	70
						T3M	10,137	2	0	2	114	10,886	2	0	2	122	10,954	2	0	2	123	6,198	2	0	2	70
						T4M	10,275	2	0	2	115	11,033	2	0	2	124	11,102	2	0	2	125	6,209	1	0	2	70
				TFTM	10,122	2	0	2	114	10,869	2	0	2	122	10,937	2	0	2	123	6,115	1	0	2	69		
				TSVS	10,693	3	0	1	120	11,482	3	0	1	129	11,554	3	0	1	130	6,490	2	0	0	73		
				T5S	10,771	3	0	1	121	11,566	3	0	1	130	11,639	3	0	1	131	6,411	2	0	0	72		
				T5M	10,790	3	0	2	121	11,587	4	0	2	130	11,659	4	0	2	131	6,492	3	0	1	73		
				TSW	10,632	3	0	2	119	11,417	4	0	2	128	11,488	4	0	2	129	6,311	3	0	2	71		
				BLC	7,963	1	0	2	89	8,551	1	0	2	96	8,605	1	0	2	97							
				LCCO	7,736	1	0	2	87	8,308	1	0	2	93	8,359	1	0	2	94							
				RCCO	7,736	1	0	2	87	8,308	1	0	2	93	8,359	1	0	2	94							
		700 mA	91 W	T1S	13,655	2	0	2	99	14,663	3	0	3	106	14,754	3	0	3	107							
						T2S	14,079	2	0	2	102	15,118	3	0	3	110	15,212	3	0	3	110					
						T2M	13,756	2	0	3	100	14,772	3	0	3	107	14,864	3	0	3	108					
						T3S	13,739	2	0	2	100	14,754	2	0	2	107	14,846	3	0	3	108					
						T3M	13,864	2	0	2	100	14,888	3	0	3	108	14,981	3	0	3	109					
						T4M	14,052	2	0	2	102	15,090	3	0	3	109	15,184	3	0	3	110					
						TFTM	13,842	2	0	3	100	14,864	2	0	3	108	14,957	2	0	3	108					
						TSVS	14,623	3	0	1	106	15,703	4	0	1	114	15,801	4	0	1	115					
						T5S	14,731	3	0	1	107	15,818	3	0	1	115	15,917	3	0	1	115					
						T5M	14,757	4	0	2	107	15,846	4	0	2	115	15,945	4	0	2	116					
						TSW	14,540	4	0	2	105	15,614	4	0	2	113	15,711	4	0	2	114					
						BLC	10,516	1	0	2	76	11,292	1	0	2	82	11,363	1	0	2	82					
	1000 mA	138 W	LCCO	10,216	2	0	3	74	10,971	2	0	3	80	11,039	2	0	3	80								
					RCCO	10,216	2	0	3	74	10,971	2	0	3	80	11,039	2	0	3	80						

Performance Data

Lumen Output

Lumen values are from photometric tests performed in accordance with IESNA LM-79-08. Data is considered to be representative of the configurations shown, within the tolerances allowed by Lighting Facts. Contact factory for performance data on any configurations not shown here.

Forward Optics																							
LEDs	Drive Current (mA)	System Watts	Dist. Type	30K (3000 K, 70 CRI)					40K (4000 K, 70 CRI)					50K (5000 K, 70 CRI)					AMBPC (Amber Phosphor Converted)				
				Lumens	B	U	G	LPW	Lumens	B	U	G	LPW	Lumens	B	U	G	LPW	Lumens	B	U	G	LPW
60C (60 LEDs)	530 mA	99 W	T1S	11,569	2	0	2	117	12,423	2	0	2	125	12,501	2	0	2	126	7,167	2	0	2	72
			T2S	11,928	2	0	2	120	12,809	3	0	3	129	12,889	3	0	3	130	7,507	2	0	2	76
			T2M	11,655	2	0	2	118	12,516	2	0	3	126	12,594	2	0	3	127	7,263	2	0	2	73
			T3S	11,641	2	0	2	118	12,500	2	0	2	126	12,579	2	0	2	127	7,424	2	0	2	75
			T3M	11,747	2	0	2	119	12,614	2	0	2	127	12,693	2	0	2	128	7,387	2	0	2	75
			T4M	11,906	2	0	2	120	12,785	2	0	2	129	12,865	2	0	2	130	7,400	2	0	2	75
			TFTM	11,728	2	0	2	118	12,594	2	0	3	127	12,673	2	0	3	128	7,288	1	0	2	74
			TSVS	12,390	3	0	1	125	13,305	3	0	1	134	13,388	3	0	1	135	7,734	3	0	1	78
			T5S	12,481	3	0	1	126	13,402	3	0	1	135	13,486	3	0	1	136	7,641	3	0	0	77
			T5M	12,503	3	0	2	126	13,426	4	0	2	136	13,510	4	0	2	136	7,737	3	0	2	78
			TSW	12,320	4	0	2	124	13,229	4	0	2	134	13,312	4	0	2	134	7,522	3	0	2	76
			BLC	9,212	1	0	2	93	9,892	1	0	2	100	9,954	1	0	2	101					
			LCCO	8,950	1	0	2	90	9,611	2	0	2	97	9,671	2	0	2	98					
			RCCO	8,950	1	0	2	90	9,611	2	0	2	97	9,671	2	0	2	98					
			T1S	14,694	2	0	2	112	15,779	3	0	3	120	15,877	3	0	3	121	8,952	2	0	2	68
	T2S	15,150	3	0	3	116	16,269	3	0	3	124	16,370	3	0	3	125	9,377	2	0	2	72		
	T2M	14,803	2	0	3	113	15,896	3	0	3	121	15,995	3	0	3	122	9,072	2	0	2	69		
	T3S	14,785	2	0	2	113	15,877	3	0	3	121	15,976	3	0	3	122	9,273	2	0	2	71		
	T3M	14,919	2	0	2	114	16,021	3	0	3	122	16,121	3	0	3	123	9,227	2	0	2	70		
	T4M	15,122	2	0	2	115	16,238	3	0	3	124	16,340	3	0	3	125	9,243	2	0	2	71		
	TFTM	14,896	2	0	3	114	15,996	2	0	3	122	16,096	2	0	3	123	9,103	2	0	2	69		
	TSVS	15,736	3	0	1	120	16,898	4	0	1	129	17,004	4	0	1	130	9,661	3	0	1	74		
	T5S	15,852	3	0	1	121	17,022	4	0	1	130	17,129	4	0	1	131	9,544	3	0	1	73		
	T5M	15,880	4	0	2	121	17,052	4	0	2	130	17,159	4	0	2	131	9,665	3	0	2	74		
	TSW	15,647	4	0	2	119	16,802	4	0	2	128	16,907	4	0	2	129	9,395	4	0	2	72		
	BLC	11,728	1	0	2	90	12,594	1	0	2	96	12,672	3	0	3	97							
	LCCO	11,394	2	0	3	87	12,235	2	0	3	93	12,311	2	0	3	94							
	RCCO	11,394	2	0	3	87	12,235	2	0	3	93	12,311	2	0	3	94							
	T1S	20,095	3	0	3	96	21,579	3	0	3	103	21,714	3	0	3	104							
	T2S	20,720	3	0	3	99	22,249	3	0	3	106	22,388	3	0	3	107							
	T2M	20,245	3	0	3	97	21,740	3	0	3	104	21,876	3	0	3	105							
	T3S	20,220	3	0	3	97	21,713	3	0	3	104	21,849	3	0	3	105							
	T3M	20,404	3	0	3	98	21,910	3	0	4	105	22,047	3	0	4	105							
	T4M	20,681	3	0	3	99	22,207	3	0	4	106	22,346	3	0	4	107							
	TFTM	20,372	3	0	3	97	21,876	3	0	4	105	22,013	3	0	4	105							
	TSVS	21,521	4	0	1	103	23,110	4	0	1	111	23,254	4	0	1	111							
	T5S	21,679	4	0	1	104	23,280	4	0	1	111	23,425	4	0	1	112							
	T5M	21,717	4	0	2	104	23,321	5	0	3	112	23,466	5	0	3	112							
	TSW	21,399	4	0	3	102	22,979	5	0	3	110	23,122	5	0	3	111							
	BLC	15,487	2	0	2	74	16,630	2	0	2	80	16,734	2	0	3	80							
	LCCO	15,046	2	0	3	72	16,157	2	0	3	77	16,258	2	0	3	78							
	RCCO	15,046	2	0	3	72	16,157	2	0	3	77	16,258	2	0	3	78							

Performance Data

Lumen Output

Lumen values are from photometric tests performed in accordance with IESNA LM-79-08. Data is considered to be representative of the configurations shown, within the tolerances allowed by Lighting Facts. Contact factory for performance data on any configurations not shown here.

L90 and R90 Rotated Optics																							
LEDs	Drive Current (mA)	System Watts	Dist. Type	30K (3000 K, 70 CRI)					40K (4000 K, 70 CRI)					50K (5000 K, 70 CRI)					AMBPC (Amber Phosphor Converted)				
				Lumens	B	U	G	LPW	Lumens	B	U	G	LPW	Lumens	B	U	G	LPW	Lumens	B	U	G	LPW
60C (60 LEDs)	530 mA	99 W	T1S	11,569	2	0	2	117	12,423	2	0	2	125	12,501	2	0	2	126	7,167	2	0	2	72
			T2S	11,928	2	0	2	120	12,809	3	0	3	129	12,889	3	0	3	130	7,507	2	0	2	76
			T2M	11,655	2	0	2	118	12,516	2	0	3	126	12,594	2	0	3	127	7,263	2	0	2	73
			T3S	11,641	2	0	2	118	12,500	2	0	2	126	12,579	2	0	2	127	7,424	2	0	2	75
			T3M	11,747	2	0	2	119	12,614	2	0	2	127	12,693	2	0	2	128	7,387	2	0	2	75
			T4M	11,906	2	0	2	120	12,785	2	0	2	129	12,865	2	0	2	130	7,400	2	0	2	75
			TFTM	11,728	2	0	2	118	12,594	2	0	3	127	12,673	2	0	3	128	7,288	1	0	2	74
			TSVS	12,390	3	0	1	125	13,305	3	0	1	134	13,388	3	0	1	135	7,734	3	0	1	78
			T5S	12,481	3	0	1	126	13,402	3	0	1	135	13,486	3	0	1	136	7,641	3	0	0	77
			T5M	12,503	3	0	2	126	13,426	4	0	2	136	13,510	4	0	2	136	7,737	3	0	2	78
			TSW	12,320	4	0	2	124	13,229	4	0	2	134	13,312	4	0	2	134	7,522	3	0	2	76
			BLC	9,212	1	0	2	93	9,892	1	0	2	100	9,954	1	0	2	101					
			LCCO	8,950	1	0	2	90	9,611	2	0	2	97	9,671	2	0	2	98					
			RCCO	8,950	1	0	2	90	9,611	2	0	2	97	9,671	2	0	2	98					
			T1S	14,694	2	0	2	112	15,779	3	0	3	120	15,877	3	0	3	121	8,952	2	0	2	68
			T2S	15,150	3	0	3	116	16,269	3	0	3	124	16,370	3	0	3	125	9,377	2	0	2	72
			T2M	14,803	2	0	3	113	15,896	3	0	3	121	15,995	3	0	3	122	9,072	2	0	2	69
			T3S	14,785	2	0	2	113	15,877	3	0	3	121	15,976	3	0	3	122	9,273	2	0	2	71
	T3M	14,919	2	0	2	114	16,021	3	0	3	122	16,121	3	0	3	123	9,227	2	0	2	70		
	T4M	15,122	2	0	2	115	16,238	3	0	3	124	16,340	3	0	3	125	9,243	2	0	2	71		
	TFTM	14,896	2	0	3	114	15,996	2	0	3	122	16,096	2	0	3	123	9,103	2	0	2	69		
	TSVS	15,736	3	0	1	120	16,898	4	0	1	129	17,004	4	0	1	130	9,661	3	0	1	74		
	T5S	15,852	3	0	1	121	17,022	4	0	1	130	17,129	4	0	1	131	9,544	3	0	1	73		
	T5M	15,880	4	0	2	121	17,052	4	0	2	130	17,159	4	0	2	131	9,665	3	0	2	74		
	TSW	15,647	4	0	2	119	16,802	4	0	2	128	16,907	4	0	2	129	9,395	4	0	2	72		
	BLC	11,728	1	0	2	90	12,594	1	0	2	96	12,672	3	0	3	97							
	LCCO	11,394	2	0	3	87	12,235	2	0	3	93	12,311	2	0	3	94							
	RCCO	11,394	2	0	3	87	12,235	2	0	3	93	12,311	2	0	3	94							
	T1S	20,095	3	0	3	96	21,579	3	0	3	103	21,714	3	0	3	104							
	T2S	20,720	3	0	3	99	22,249	3	0	3	106	22,388	3	0	3	107							
	T2M	20,245	3	0	3	97	21,740	3	0	3	104	21,876	3	0	3	105							
	T3S	20,220	3	0	3	97	21,713	3	0	3	104	21,849	3	0	3	105							
	T3M	20,404	3	0	3	98	21,910	3	0	4	105	22,047	3	0	4	105							
	T4M	20,681	3	0	3	99	22,207	3	0	4	106	22,346	3	0	4	107							
	TFTM	20,372	3	0	3	97	21,876	3	0	4	105	22,013	3	0	4	105							
	TSVS	21,521	4	0	1	103	23,110	4	0	1	111	23,254	4	0	1	111							
T5S	21,679	4	0	1	104	23,280	4	0	1	111	23,425	4	0	1	112								
T5M	21,717	4	0	2	104	23,321	5	0	3	112	23,466	5	0	3	112								
TSW	21,399	4	0	3	102	22,979	5	0	3	110	23,122	5	0	3	111								
BLC	15,487	2	0	2	74	16,630	2	0	2	80	16,734	2	0	3	80								
LCCO	15,046	2	0	3	72	16,157	2	0	3	77	16,258	2	0	3	78								
RCCO	15,046	2	0	3	72	16,157	2	0	3	77	16,258	2	0	3	78								

FEATURES & SPECIFICATIONS

INTENDED USE

The sleek design of the D-Series Size 1 reflects the embedded high performance LED technology. It is ideal for many commercial and municipal applications, such as parking lots, plazas, campuses, and streetscapes.

CONSTRUCTION

Single-piece die-cast aluminum housing has integral heat sink fins to optimize thermal management through conductive and convective cooling. Modular design allows for ease of maintenance and future light engine upgrades. The LED drivers are mounted in direct contact with the casting to promote low operating temperature and long life. Housing is completely sealed against moisture and environmental contaminants (IP65). Low EPA (1.01 ft²) for optimized pole wind loading.

FINISH

Exterior parts are protected by a zinc-infused Super Durable TGIC thermoset powder coat finish that provides superior resistance to corrosion and weathering. A tightly controlled multi-stage process ensures a minimum 3 mils thickness for a finish that can withstand extreme climate changes without cracking or peeling. Available in both textured and non-textured finishes.

OPTICS

Precision-molded proprietary acrylic lenses are engineered for superior area lighting distribution, uniformity, and pole spacing. Light engines are available in standard 3000 K, 4000 K and 5000 K (70 CRI) or optional 3000 K (70 minimum CRI) or 5000 K (70 CRI) configurations. The D-Series Size 1 has zero uplight and qualifies as a Nighttime Friendly™ product, meaning it is consistent with the LEED® and Green Globes™ criteria for eliminating wasteful uplight.

ELECTRICAL

Light engine configurations consist of 30, 40 or 60 high-efficacy LEDs mounted to metal-core circuit boards to maximize heat dissipation and promote long life (up to L99/100,000 hours at

25°C). Class 1 electronic drivers are designed to have a power factor >90%, THD <20%, and an expected life of 100,000 hours with <1% failure rate. Easily serviceable 10kV or 6kV surge protection device meets a minimum Category C Low operation (per ANSI/IEEE C62.41.2).

INSTALLATION

Included mounting block and integral arm facilitate quick and easy installation. Stainless steel bolts fasten the mounting block securely to poles and walls, enabling the D-Series Size 1 to withstand up to a 3.0 G vibration load rating per ANSI C136.31. The D-Series Size 1 utilizes the AERIS™ series pole drilling pattern (template #8). Optional terminal block and NEMA photocontrol receptacle are also available.

LISTINGS

UL Listed for wet locations. Light engines are IP66 rated; luminaire is IP65 rated. Rated for -40°C minimum ambient. U.S. Patent No. D672,492 S. International patent pending.

DesignLights Consortium® (DLC) qualified product. Not all versions of this product may be DLC qualified. Please check the DLC Qualified Products List at www.designlights.org to confirm which versions are qualified.

WARRANTY

5-year limited warranty. Complete warranty terms located at www.acuitybrands.com/CustomerResources/Terms_and_conditions.aspx

Note: Actual performance may differ as a result of end-user environment and application. All values are design or typical values, measured under laboratory conditions at 25 °C. Specifications subject to change without notice.



Catalog Number
Notes
Type

FEATURES & SPECIFICATIONS

INTENDED USE — The OLCFM provides years of maintenance-free general illumination for residential and commercial outdoor applications such as porches, covered walkways and store entrances.

CONSTRUCTION — Rugged cast-aluminum top-plate and outer-ring are protected by a thermoset powder coat finish that provides superior resistance to corrosion and weathering. A tightly controlled multi-stage process ensures a minimum 3 mils thickness for a finish that can withstand extreme climate changes without cracking or peeling.

Polycarbonate LED lens/cover protects LEDs.

Fixture weight = 2.98 lbs.

OPTICS — 96 high-performance LEDs produces up to 1077 lumens and maintain 70% of light output at 50,000 hours of service.

(LED lifespan based on IESNA LM-80-08 results and calculated per IESNA TM-21-11 methodology.)

White acrylic diffuser provides a soft white light at 4000K CCT

See Lighting Facts Labels for specific fixture performance.

ELECTRICAL — Fixture operates at 120 volts, 60 Hz.

Standard input = 16.6 watts

Operating temperature -40°C to 40°C.

Amps @ 120V = .131.

Surge protection = 2.5kV.

INSTALLATION — Mounts easily to existing junction box (by others).

LISTINGS — UL Listed to U.S. and Canadian safety standards for wet locations.

Designed for ceiling or wall mounting more than 4' above the ground.

Tested in accordance with IESNA LM-79 and LM-80 standards.

WARRANTY — 5-year limited warranty. Complete warranty terms located at www.acuitybrands.com/CustomerResources/Terms_and_conditions.aspx

Actual performance may differ as a result of end-user environment and application.

All values are design or typical values, measured under laboratory conditions at 25 °C.

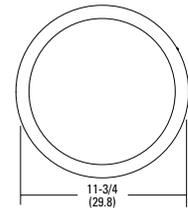
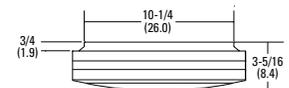
Note: Specifications subject to change without notice.



Outdoor General Purpose

OLCFM

OUTDOOR LED CAST FLUSH MOUNT



All dimensions are inches (centimeters) unless otherwise indicated.

ORDERING INFORMATION

All configurations of this product are considered "standard" and have short lead times.

Example: OLCFM 15 DDB

Series	Light Engine	Color Temperature (CCT) ¹	Voltage	Finish
OLCFM	15	(blank) 4000K	(blank) 120V	DDB Dark bronze WH White

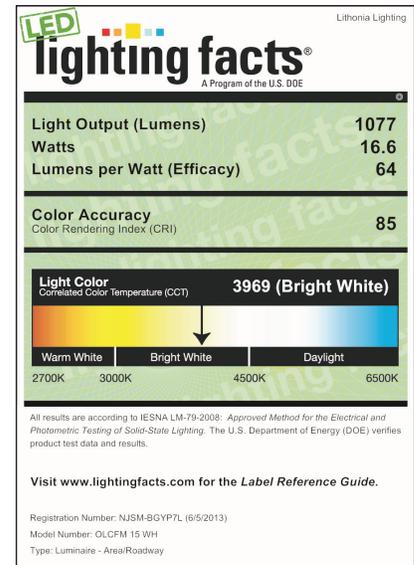
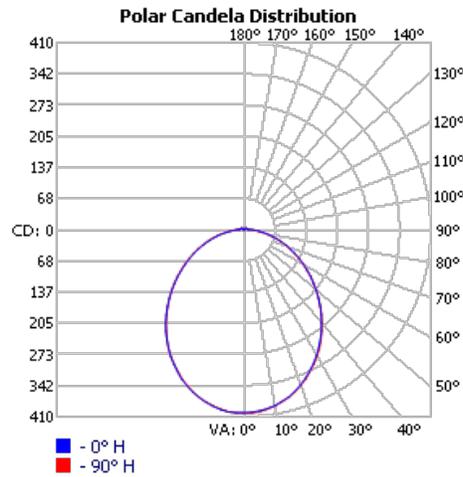
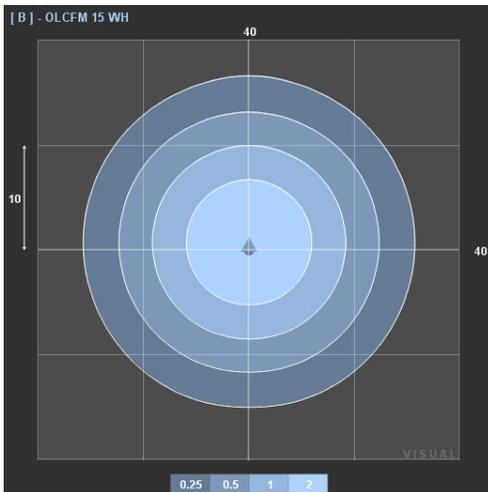
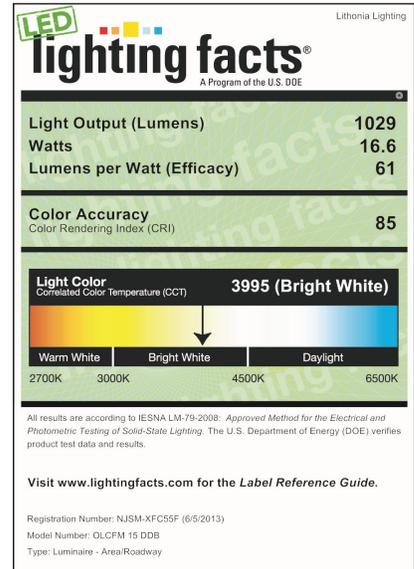
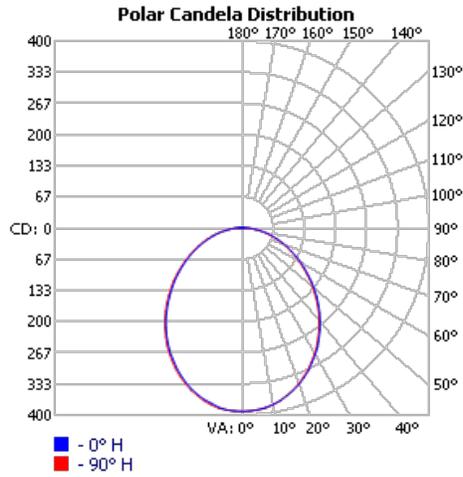
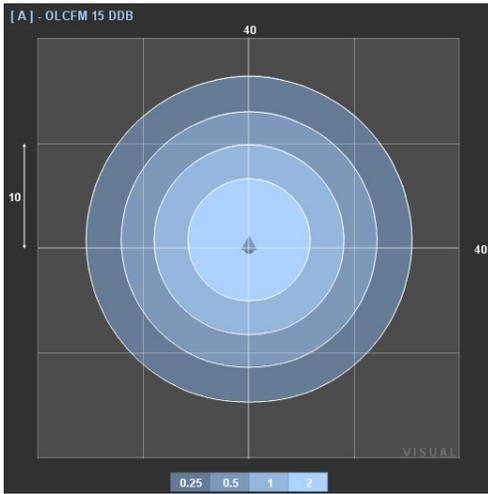
Notes

1 Nominal Correlated Color Temperature (CCT) per ANSI C78.377-2008.

OLCFM Outdoor LED Cast Flush Mount

PHOTOMETRIC DIAGRAMS

To see complete photometric reports or download .ies files for this product, visit www.Lithonia.com. Tested in accordance with IESNA LM 79 and LM 80 standards.



**CITY OF CODY
PLANNING, ZONING AND ADJUSTMENT BOARD
STAFF REPORT**

MEETING DATE:	SEPTEMBER 26, 2017	TYPE OF ACTION NEEDED	
AGENDA ITEM:		P&Z BOARD APPROVAL:	
SUBJECT:	AMEND ACCESSORY DWELLING UNIT STANDARDS—REMOVE R-2 ZONING DISTRICT FROM OWNER-OCCUPANCY REQUIREMENT.	RECOMMENDATION TO COUNCIL:	
PREPARED BY:	TODD STOWELL, CITY PLANNER	DISCUSSION ONLY:	X

BACKGROUND:

In early 2014 the City adopted an Accessory Dwelling Unit ordinance. Accessory Dwelling Units (ADUs) are commonly referred to as mother-in law apartments, guest houses, and accessory apartments. The zoning ordinance permits ADUs in all residential zoning districts, either as conditional uses when located in the Rural Residential and R-1 zones, or as accessory uses in all other residential zones. All ADUs are subject to the standards outlined in the supplemental zoning standards located in Chapter 10-8-2(A). Among those standards is the following requirement:

10. Owner Occupancy: Within the RR, R-1, and R-2 Zoning Districts, the owner of the property must utilize the primary dwelling unit or ADU as their primary residence; the dwellings shall not both be occupied unless this is the case.

Effectively, this requirement prevents a property owner that does not live on the property from renting both of the dwellings at the same time. The current question is whether or not to remove the R-2 zoning district from that restriction.

Please note that removing the R-2 zoning district from that restriction would only affect long-term rental (30 days or more). There are separate regulations for short-term rental that would remain in effect.

PROCEDURE:

10-5-1, City Council Authority

The city council may by ordinance at any time, on its own motion or petition, or upon the recommendations by the planning and zoning commission, amend, supplement or change the regulations or districts herein or subsequently established; provided, however, that a public hearing shall first be held in relation thereto, after one publication of notice of the time, place and purpose of such hearing, in an official newspaper, at least fifteen (15) days prior to such hearing.

If the Planning and Zoning Board recommends the amendment, staff will schedule the

public hearing to occur at City Council, and proceed with preparation of the ordinance.

STAFF COMMENTS:

The requirement for owner occupancy was a fundamental reason that the Council was initially willing to permit ADUs in the most restrictive residential zones (zones Rural Residential, AA, and A at that time). The thought that an on-site owner would keep a close eye on the occupants and immediately address any conflicts that might arise. It would also mean the owner would be more discerning with whom they allow to live on the property with them in the first place. That still holds true for the RR and R-1 zoning districts where the situation is limited to single-family dwelling neighborhoods. However, the R-2 zone has an internal conflict with the standard because it also permits two-family dwellings (duplexes), which have no owner occupancy requirement for the rental of such.

Due to the fact that the R-2 zone allows the long-term rental of duplexes without any owner-occupancy requirement, staff believes that someone in the R-2 zone that has a primary house and an accessory dwelling on the same property should likewise be able to do long-term rental without any owner-occupancy requirement.

RECOMMENDATION:

Recommend that the City Council proceed with an amendment to remove the R-2 zone from requirement #10 of the ADU supplemental development standards.